UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER Pursuant to Rule 13a-16 or 15d-16 under the Securities Exchange Act of 1934

For the Month of May 2024

Commission File Number: 001-37668

FERROGLOBE PLC

(Name of Registrant)

13 Chesterfield Street, London W1J 5JN, United Kingdom (Address of Principal Executive Office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F ⊠

Form 40-F □

2024 Annual General Meeting of Ferroglobe PLC

On May 20, 2024, Ferroglobe PLC ("Ferroglobe" or the "Company") released its Notice of 2024 Annual General Meeting ("2024 AGM") and Annual Report and Accounts for the fiscal year ended December 31, 2023. The 2024 AGM will be held at 13:00 British Summer Time (BST) on Tuesday, June 18, 2023 at Ferroglobe PLC, 13 Chesterfield Street, London, W1J 5JN, United Kingdom.

Exhibits

Reference is made to the Exhibit Index included hereto.

EXHIBIT INDEX

Exhibit No.	Description				
99.1	Notice of Annual General Meeting dated May 20, 2024				
<u>99.2</u>	Ferroglobe PLC Annual Report and Accounts for the fiscal year ended December 31, 2023				
99.3	Extracts from the 2023 Annual Report on Form 20-F				
<u>99.4</u>	Form of Proxy Card for the 2024 Annual General Meeting				

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: May 21, 2024 FERROGLOBE PLC

/s/ Marco Levi Name: Marco Levi Title: Chief Executive Officer (Principal Executive Officer)



FERROGLOBE PLC

(a public limited company having its registered office at 5 Fleet Place, London, EC4M 7RD, United Kingdom and incorporated in England and Wales with company number 9425113)

20 May 2024

2024 Annual General Meeting of Shareholders of Ferroglobe Plc ("Ferroglobe" or the "Company")

Dear Shareholder

I am pleased to invite you to attend Ferroglobe's annual general meeting of its shareholders (the "Annual General Meeting" or "AGM"), to be held at 13:00 (British Summer Time) on Tuesday, 18 June 2024 at the Company's offices at 13 Chesterfield Street, London, W1J 5JN, United Kingdom. The accompanying notice of Annual General Meeting ("Notice") describes the meeting, the resolutions you will be asked to consider and vote upon and related matters.

Your vote is important, regardless of the number of shares you own. Whether or not you intend to attend the Annual General Meeting, please vote as soon as possible to make sure that your shares are represented. You may vote via the internet, by phone or by mail by signing, dating and returning your proxy card in the envelope provided. To ensure your vote is counted, please ensure that your proxy vote is submitted through the relevant channels by not later than 00:01 BST on Monday, 17 June 2024.

Recommendation

We consider all resolutions proposed to shareholders at the Annual General Meeting to be standard business. You will find an explanation of each resolution within the Explanatory Notes on pages 3 to 8 of this pack. The Company's board of directors (the "Board") considers that all the resolutions to be put to the Annual General Meeting are in the best interests of the Company and its shareholders as a whole and are most likely to promote the success of the Company. The Board unanimously recommends that you vote in favor of each of the proposed resolutions, as the members of the Board intend to do in respect of their beneficial holdings.

Thank you for your continued support of Ferroglobe.

Yours sincerely,

Javier López Madrid Executive Chairman



FERROGLOBE PLC

(a public limited company having its registered office at 5 Fleet Place, London, EC4M 7RD, United Kingdom and incorporated in England and Wales with company number 9425113)

NOTICE OF 2024 ANNUAL GENERAL MEETING OF SHAREHOLDERS

To the holders of ordinary shares of Ferroglobe Plc ("Ferroglobe" or the "Company"):

Notice is hereby given that Ferroglobe's Annual General Meeting of shareholders will be held on Tuesday, 18 June 2024 at 13:00 (British Summer Time), at the offices of the Company at 13 Chesterfield Street, London, W1J 5JN, United Kingdom ("U.K.").

The business of the Annual General Meeting will be to consider and, if thought fit, pass the resolutions below. All resolutions will be proposed as ordinary resolutions. Explanations of the resolutions are given in the explanatory notes on pages 3 to 8 of this Annual General Meeting notice and additional information on voting at the Annual General Meeting can be found on pages 8 to 10. All resolutions will be put to vote on a poll, where each shareholder has one vote for each share held.

Certain of the resolutions that shareholders of the Company will be asked to consider may not be familiar to them because, unlike many companies with shares traded on the Nasdaq Capital Market ("Nasdaq"), the Company is incorporated under the laws of England and Wales and is therefore subject to the U.K. Companies Act 2006 (the "Companies Act"). The Companies Act obliges the Company to propose certain matters to shareholders for approval that would generally not be subject to periodic approval by shareholders of companies incorporated in the United States but would be considered routine items for approval by shareholders of companies incorporated in England and Wales.

ORDINARY RESOLUTIONS:

U.K. Annual Report and Accounts 2023

THAT the directors' and auditor's reports and the accounts of the Company for the financial year ended 31 December 2023 (the "U.K. Annual Report and Accounts") be received.

Directors' 2023 Remuneration Report

2 THAT the directors' annual report on remuneration for the year ended 31 December 2023 (excluding, for the avoidance of doubt, any part of the Directors' remuneration report containing the directors' remuneration policy), as set out on pages 35 to 36 and 50 to 61 of the U.K. Annual Report and Accounts be approved.

Authority for certain donations and expenditure

THAT, in accordance with Part 14 of the Companies Act and in substitution for any previous authorities given to the Company (and its subsidiaries), the Company (and all companies that are subsidiary of the Company at any time during the period for which this resolution has effect) be authorized to: (i) make political donations to political parties or independent election candidates; (ii) make political donations to political organizations other than political parties, and (iii) incur political expenditure, in each case, as such terms are defined in the Companies Act, provided that with respect to each of the foregoing categories, any such donations or expenditure made by the Company, or a subsidiary of the Company, do not in the aggregate exceed £100,000. Such authority shall expire at the conclusion of the Company's next annual general meeting. For the purposes of this resolution, the authorized sum may comprise sums in different currencies that shall be converted at such rate as the Board may in its absolute discretion determine to be appropriate.

Authority to Make Purchases of Own Shares Off-market

THAT, for the purposes of section 694 of the Companies Act, the terms of the buyback contract to be entered into between the Company and any or all of J.P. Morgan Securities LLC, BMO Capital Markets Corp. and Santander US Capital Markets LLC, respectively (in the forms produced to this meeting and made available at the Company's registered office for not less than 15 days ending with the date of this meeting) are approved and the Company be authorized to undertake off-market purchases (within the meaning of section 693(2) of the Companies Act) of its ordinary shares of US \$0.01 pursuant to such contracts, provided that (i) the maximum aggregate number of ordinary shares hereby authorized to be purchased is 37,776,463, representing approximately 20% of the issued ordinary share capital, and (ii) additional restrictions under applicable U.S. securities laws are substantially complied with, including (but not limited to) the pricing limitations under Rule 10b-18(b)(3) of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act"), the volume limitations under Rules 10b-18(b)(4) and 10b-18(c)(2) of the Exchange Act, the timing limitations under Rules 10b-18(b) (2) and 10b-18(c)(1) and the requirements with respect to the use of brokers or dealers under Rule 10b-18(b)(1) of the Exchange Act.

Such authority shall expire at the close of business on the fifth anniversary of the passing of this resolution, but during this five year period the Company may agree to purchase ordinary shares pursuant to any such approved contract, even if such purchase would, or might, be completed or executed wholly or partly after the authority ends and the Company may purchase such ordinary shares pursuant to any such approved contract as if the authority had not ended. This authority shall apply from the conclusion of the Annual General meeting until a date which is five years from the date of the Annual General Meeting.

Directors' Re-election

- 5 THAT Javier López Madrid be re-elected as a director.
- 6 THAT Marco Levi be re-elected as a director.
- 7 THAT Marta de Amusategui y Vergara be re-elected as a director.
- 8 THAT Bruce L. Crockett be re-elected as a director.
- 9 THAT Stuart E. Eizenstat be re-elected as a director.
- 10 THAT Manuel Garrido y Ruano be re-elected as a director.
- 11 THAT Juan Villar-Mir de Fuentes be re-elected as a director.
- 12 THAT Belen Villalonga Morenés be re-elected as a director.
- 13 THAT Silvia Villar-Mir de Fuentes be re-elected as a director.
- 14 THAT Nicolas De Santis be re-elected as a director.
- 15 THAT Rafael Barrilero Yarnoz be re-elected as a director.

Re-appointment of Auditor

THAT KPMG LLP be re-appointed as auditor of the Company to hold office from the conclusion of the Annual General Meeting until the conclusion of the next general meeting at which accounts are laid before the Company.

Remuneration of Auditor

17 THAT the Audit Committee of the Board be authorized to determine the auditor's remuneration.

Thomas Wiesner Company Secretary 20 May 2024

Explanatory notes to the resolutions

Resolution 1 (U.K. Annual Report and Accounts 2023)

The Board is required to present at the Annual General Meeting the U.K. Annual Report and Accounts for the financial year ended 31 December 2023, including the Directors' Report and the Auditor's Report on the U.K. Annual Report and Accounts and on those parts of the Directors' Remuneration Report which have been audited.

Resolution 1 is an advisory vote and in accordance with its obligations under English law, the Company will provide shareholders at the Annual General Meeting with the opportunity to receive the U.K. Annual Report and Accounts and ask any relevant and appropriate questions on the U.K. Annual Report and Accounts of the Board and or auditors in attendance at the Annual General Meeting.

Resolution 2 (directors' annual remuneration report)

Resolution 2 is an advisory vote to approve the directors' annual remuneration report for the year ended 31 December 2023. The directors' remuneration report is set out on pages 35 to 36 and 50 to 61 of the U.K. Annual Report and Accounts. It provides information on the remuneration of the directors for 2023 and that proposed for 2024; it includes a statement by the Chairman of the Compensation Committee but excludes the Remuneration Policy which was approved by shareholders at the AGM in 2022.

Resolution 3 (authority for certain donations and expenditure)

The Company is seeking authority under this resolution to allow the Company and any of its subsidiaries to make political donations or incur political expenditure up to a limit of £100,000 for each category of donation or expenditure set out in the resolution. It is not the Company's policy or intention to make political donations or expenditures, and no political donations were made in the year ended 31 December 2023. However, it is possible that certain routine activities undertaken by the Company and its subsidiaries might unintentionally fall within the scope of the provisions controlling political donations and expenditure, which are very broad and open to interpretation. Any political donations or expenditure regulated by the Companies Act must be approved by shareholders at a general meeting and must be disclosed in the annual report for the year ending 31 December 2024. Accordingly, in common with many other UK public companies, the directors seek shareholders' approval for political donations and expenditure to be made by the Company and its subsidiaries, to avoid inadvertently contravening the Companies Act. The authority being sought will take effect from the end of the Annual General Meeting until the end of next year's annual general meeting (or, if earlier, 15 months from the date of the Annual General Meeting), until renewed, revoked or varied by the Company in a general meeting.

Resolution 4 (authority to make purchases of own shares off-market)

The Board considers that share buybacks are an important means of returning value to shareholders, managing capital resources and maximizing sustainable long-term growth in earnings per share.

As the Nasdaq is not a recognized investment exchange for the purposes of section 693(2) of the Companies Act, any repurchases by Ferroglobe of its own shares on or through Nasdaq would constitute "off-market" repurchases for the purposes of the Companies Act. Such repurchases may only be made pursuant to a form of share repurchase contract, the terms of which have been approved by shareholders in accordance with section 694 of the Companies Act.

Ferroglobe is seeking the approval by shareholders of off-market purchases in accordance with this resolution in order to enable share repurchases on or through Nasdaq pursuant to section 694 of the Companies Act, provided that (i) the maximum aggregate number of ordinary shares hereby authorized to be purchased is 37,776,463, representing approximately 20% of the issued ordinary share capital), and (ii) additional restrictions under applicable U.S. securities laws are substantially complied with, including (but not limited to) the pricing limitations under Rule 10b-18(b)(3) of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act"), the volume limitations under Rules 10b-18(b)(4) and 10b-18(c)(1) of the Exchange Act, the timing limitations under Rules 10b-18(b)(2) and 10b-18(b)(1) of the Exchange Act.

This resolution specifies the counterparties which may each enter into a separate repurchase contract with Ferroglobe, in each case in the form approved by the shareholders. Repurchases may be undertaken following a specific, one-off instruction from the Company to the counterparty or pursuant to a share trading plan under which the Company instructs the counterparty to purchase a set number of shares at a maximum and/or minimum price over a set period of time.

The approval of the terms of the form of share repurchase contract, if granted, will be valid until the fifth anniversary of the date of approval. However, if this resolution is approved, the Company may agree to purchase ordinary shares pursuant to any such contract, even if such purchase would, or might, be completed or executed wholly or partly after the authority ends and the Company may purchase such ordinary shares pursuant to any such contract as if the authority had not ended.

It is common for English incorporated public limited companies to have a standing authority that would permit the making of share repurchases should the Company be able and decide to do so in the future. The Board considers that having the right to make such repurchases would be in the Company's and its shareholders' best interests. A market announcement would be made if the Company did decide to commence repurchases in accordance with this authority.

Under the Companies Act, ordinary shares bought back may be held in treasury or may be cancelled. Shares held in treasury may be either sold for cash or transferred for the purposes of an employee shares scheme. Ferroglobe therefore has a choice of either holding or cancelling any shares it may purchase. If Ferroglobe buys back any of its shares under this resolution, we will decide at the time of purchase whether to cancel them immediately or to hold them in treasury. In relation to treasury, shares, we would also have regard to any investor guidelines regarding the purchase of shares intended to be held in treasury and their holding or resale. In the event that (i) the Company repurchases the maximum number of shares possible pursuant to this authority, (ii) its majority shareholder, Grupo Villar Mir S.A.U. ("GVM"), does not participate in the share purchase program and (iii) all shares purchased are cancelled, the percentage holding of GVM in the Company may increase to a maximum of 50.1%.

Copies of the forms of contracts which shareholders are being asked to approve will be made available for shareholders to inspect at Ferroglobe's registered office at 5 Fleet Place, London, EC4M 7RD for the period from 3 June 2024 until the date of the AGM. Copies of the forms of contracts will also be available for inspection at the Annual General Meeting.

Resolutions 5 to 15 (directors seeking re-election)

In line with best practice in corporate governance, all our directors retire annually and, if agreed with them that they will continue in office, they offer themselves for re-election by the shareholders. Any director appointed by the Board since the last Annual General Meeting must stand for election at the next Annual General Meeting.

The biographies of the directors standing for re-election at the Annual General Meeting are set out below to enable shareholders to make an informed decision on their re-election. The biographies give the date of appointment of each director to the Board or Committees of Ferroglobe.

Javier López Madrid

Javier López Madrid has been Executive Chairman of the Company since December 31, 2016 and was Chairman of our Nominations Committee from January 1, 2018 until May 26, 2023. He was first appointed to the Board on February 5, 2015 and was the Company's Executive Vice-Chairman from December 23, 2015 until December 31, 2016.

He has been Chief Executive Officer of Grupo VM since 2008, is member of the Board of several non-profit organizations. He is the founder and largest shareholder of Financiera Siacapital and founded Tressis, Spain's largest independent private bank. Mr. López Madrid holds a Masters in law and business from ICADE University.

Marco Levi

Marco Levi was appointed Chief Executive Officer of the Company on January 10, 2020, and appointed to its board of directors on January 15, 2020. Dr Levi previously served as President and CEO of Alhstrom-Munksjö Oyj, a global fiber materials company listed in Finland, where he led a successful transformation of the business by refocusing its product portfolio towards value-added specialty products. Prior to that, Dr. Levi was Senior Vice President and Business President of the \$3\$ billion emulsion polymers division of chemicals manufacturer Styron, including during the period in which Styron division was acquired by Bain Capital from Dow Chemical Company. Dr. Levi previously had spent over twenty-two years at Dow in various departments and roles, ultimately serving as general manager of the emulsion polymers business.

Dr Levi is also a Non-Executive Director of Mativ Holdings, Inc, the leading global performance materials company, listed on the New York Stock Exchange. Dr Levi holds a doctorate in industrial chemistry from the Università degli Studi di Milano, Statale, in Italy.

Marta de Amusategui y Vergara

Marta de Amusategui y Vergara was appointed to the Board as a Non-Executive Director on June 12, 2020. She has been a member of our Audit Committee from that date and a member of the Compensation Committee since June 23, 2021.

Ms. Amusategui has substantial experience in executive and non-executive roles, with a background in business strategy, banking and finance. She is founder and partner of Abrego Capital S.L., providing strategic and financial advisory services, and co-founder of Observatorio Industria 4.0, the professional forum leveraging knowledge and experience to assist businesses, specifically those in the secondary sector, in their digital transformation. She began her career in management consulting and investment banking, serving as Country Executive Officer and General Manager with Bank of America in Spain from 2003 to 2008.

Ms. Amusategui has been a member of the Board of Eland Private Equity, S.G.E.I.C., S.A., a private equity management company specializing in renewable energies, since 2009. Since 2020, she has been a member of the board of directors of Eccocar Sharing S.L. She has also held other Board positions in the past, including that of Telvent GIT S.A. (Nasdaq TLVT), the global IT solutions and business information services provider, where she became an independent director from early 2010 until its de-listing following acquisition in December 2011. She is currently a member of the McKinsey Alumni Council in Spain.

Ms. Amusategui holds an Industrial Engineering degree (MSc equivalent) from Universidad Pontificia de Comillas, Madrid, Spain, and an MBA from INSEAD, Fontainebleau, France. She has held a number of academic appointments, lecturing in Financing at the Three Points Digital Business School, Grupo Planeta, in Barcelona, in Managerial Competencies in CUNEF, in Madrid, and in Risk Management on the Non-Executive Directors Program at ICADE Business School, also in Madrid.

Bruce L. Crockett

Bruce L. Crockett was appointed to the Board as a Non-Executive Director on December 23, 2015. He has been a member of our Audit Committee from that date and was Chair of the Audit Committee since June 4, 2020 and served on our Compensation Committee from January 1, 2018 until June 23, 2021. Mr. Crockett was appointed on May 13, 2021 as our Senior Independent Director and on June 23, 2021 as Chair of the Corporate Governance Committee until May 26, 2023, on which date he was appointed as a member of the Nominations and Governance Committee.

Mr. Crockett holds a number of other Board and governance roles. He has been Chairman of the Invesco Mutual Funds Group board of directors and a member of its Audit, Investment and Governance Committees, serving on the board since 1991, as Chair since 2003 and on the Board of predecessor companies from 1978. Since 2013, he has been a member of the Board and, since 2014, Chair of the Audit Committee and since 2021 member of the Governance Committee of ALPS Property & Casualty Insurance Company. He has been Chairman of, and a private investor in, Crockett Technologies Associates since 1996. He is a life trustee of the University of Rochester. In 2021, he was appointed as a member of the Board of Advisors of the Western Colorado University Graduate Business School.

Mr. Crockett was a member of the board of directors of Globe from April 2014 until the closing of the Business Combination, as well as a member of Globe's Audit Committee. He was formerly President and Chief Executive Officer of COMSAT Corporation from 1992 until 1996 and its President and Chief Operating Officer from 1991 to 1992, holding a number of other operational and financial positions at COMSAT from 1980, including that of Vice President and Chief Financial Officer. He was a member of the board of directors of Ace Limited from 1995 until 2012 and of Captaris, Inc. from 2001 until its acquisition in 2008 and its Chairman from 2003 to 2008.

Mr. Crockett holds an A.B. degree from the University of Rochester, B.S. degree from the University of Maryland, an MBA from Columbia University and an Honorary Doctor of Law degree from the University of Maryland.

Stuart E. Eizenstat

Stuart E. Eizenstat was appointed to the Board as a Non-Executive Director on December 23, 2015. He was a member of the Company's Corporate Governance Committee from January 1, 2018, until May 26, 2023, and served on our Nominations Committee from May 16, 2018, until May 26, 2023, on which date he was appointed as a member of the Compensation Committee.

Mr. Eizenstat has been a Senior Counsel at Covington & Burling LLP in Washington, D.C. and headed its international practice for many years after joining the firm in 2001. He has served as a member of the Advisory Boards of GML Ltd. since 2003 and of the Office of Cherifien de Phosphates since 2010. He was a trustee of BlackRock Funds from

2001 until 2018

Mr. Eizenstat was a member of board of directors of Globe Specialty Metals from 2008 until the closing of the Business Combination and Chair of its Nominating Committee. He was a member of the board of directors of Alcatel-Lucent from 2008 to 2016 and of United Parcel Service from 2005 to 2015. He has had an illustrious political and advisory career, including serving as Special Adviser to Secretary of State John Kerry on Holocaust-Era Issues from 2009 to 2017, and Special Representative of the President and Secretary of State on Holocaust Issues during the Clinton administration from 1993 to 2001. He was Deputy Secretary of the United States Department of the Treasury from July 1999 to January 2001, Under Secretary of State for Economic, Business and Agricultural Affairs from 1997 to 1999, Under Secretary of Commerce for International Trade from 1996 to 1997, U.S. Ambassador to the European Union from 1993 to 1996 and Chief Domestic Policy Advisor in the White House to President Carter from 1977 to 1981. He served on the Defense Policy Board in the Obama administration from 2014-2017. He currently serves as Special Adviser on Holocaust Issues to Secretary of State Antony Blinken and as Chairman of the Council of United States Holocaust Memorial Museum, appointed by President Biden. He is the author of "Imperfect Justice: Looted Assets, Slave Labor, and the Unfinished Business of World War II"; "The Future of the Jews: How Global Forces are Impacting the Jewish People, Israel, and its Relationship with the United States", "President Carter: The White House Years", and "The Art of Diplomacy: How American Negotiators Reached Historic Agreements that Changed the World".

Mr. Eizenstat holds a B.A. in Political Science, cum laude and Phi Beta Kappa, from the University of North Carolina at Chapel Hill, a J.D. from Harvard Law School and nine honorary doctorate degrees from colleges and universities, high honors from the United States, French (Legion of Honor), German, Austrian, Belgian, and Israeli governments, and over 75 awards from various organizations.

Manuel Garrido y Ruano

Manuel Garrido y Ruano was appointed to the Board as a Non-Executive Director on May 30, 2017. He was a member of our Nominating and Corporate Governance Committee from May 30, 2017 until December 31, 2017, and served on our Corporate Governance Committee from December 31, 2017 until May 26, 2023.

Mr. Garrido y Ruano has been Chief Financial Officer of Grupo Villar Mir since 2003 and he is currently member of the Board of its subsidiary in the energy sector, and of its real estate subsidiary. In June 2021 he was appointed non-executive Chairman of Fertial SPA the Algerian fertilizers subsidiary of the Group.

He has been Professor of Corporate Finance of one Graduate Management Program at the Universidad de Navarra, and has also been Professor of Communication and Leadership of the Graduate Management Program at CUNEF in Spain.

Mr. Garrido y Ruano was a member of the steering committee of FerroAtlántica until 2015, having previously served as its Chief Financial Officer from 1996 to 2003. He worked with McKinsey & Company from 1991 to 1996, specializing in restructuring, business development and turnaround and cost efficiency projects globally.

Mr. Garrido y Ruano holds a Masters in Civil Engineering with honors from the Universidad Politécnica de Madrid and an MBA from INSEAD, Fontainebleau, France.

Juan Villar-Mir de Fuentes

Juan Villar-Mir de Fuentes was appointed to the Board as a Non-Executive Director on December 23, 2015.

Mr. Villar-Mir de Fuentes is currently Chairman of Inmobiliaria Espacio, S.A and Grupo Villar Mir, S.A.U. In both companies he served as Vice Chairman since 1996 and since 1999 respectively. He has served as Chairman and Vice Chairman of Obrascon Huarte Lain, S.A and has been serving as a member of the board of directors since 1996, first as a member of the Audit Committee and, later, as a member of its Compensation Committee. He was a Board Director and member of the Compensation Committee of Abertis Infraestructuras. S.A. between 2013 and 2016.

Mr. Villar-Mir de Fuentes is Patron and member of the Patronage Council of Fundación Nantik Lum and of Fundación Santa María del Camino.

Mr. Villar-Mir holds a Bachelor's Degree in Business Administration and Economics and Business Management from the Universidad Autónoma de Madrid.

Belen Villalonga Morenés

Belen Villalonga Morenés was appointed to the Board as a Non-Executive Director on May 13, 2021. She has been a member of the Audit Committee from that date and served as a member of the Corporate Governance Committee from June 23, 2021 until May 26, 2023, on which date she was appointed to the Nominations and Governance Committee.

Ms. Villalonga is a Professor of Management and Organizations, a Yamaichi Faculty Fellow, and a Professor of Finance (by courtesy) at New York University's Stern School of Business. Between 2001 and 2012 she was a faculty member at the Harvard Business School. During 2018-2019 she was a Visiting Professor at Oxford University's Said Business School. Her teaching, research, and consulting activities are in the areas of corporate governance, strategy, and finance, with a special focus on family-controlled companies. Her award-winning research has been cited over 18,000 times in scholarly articles and international media outlets.

Professor Villalonga is an independent director at Banco Santander International (Santander group's private banking subsidiary in the United States), as well as at Mapfre USA (insurance). She was also an independent director for many years at three global companies publicly listed in Spain: Acciona (renewable energy and infrastructure), Grifols (biopharma), and Talgo (high-speed trains).

Ms. Villalonga holds a Ph.D. in Management and an M.A. in Economics from the University of California at Los Angeles, where she was a Fulbright Scholar. She also holds a Ph.D. in Business Economics from the Complutense University of Madrid.

Silvia Villar-Mir de Fuentes

Silvia Villar-Mir de Fuentes was appointed to the Board as a Non-Executive Director on May 13, 2021. She served as a member of the Compensation Committee from June 23, 2021 until May 26, 2023. Ms. Villar-Mir de Fuentes currently serves on the board of directors of Grupo Villar Mir, a privately held Spanish group with investments across a broad range of diversified industries, which is the beneficial owner of approximately 40% of the Company's share capital.

Mrs. Villar-Mir de Fuentes is a summa cum laude graduate in Economics and Business Studies, with concentration in finance and accounting, from The American College in London, United Kingdom.

Nicolas De Santis

Nicolas De Santis was appointed to the Board as a Non-Executive Director on May 13, 2021. He has been a member of the Compensation Committee since June 23, 2021 and served as a member of the Nominations Committee from June 23, 2021 until May 26, 2023, on which date he was appointed as Chair of the Nominations and Governance Committee. Mr. De Santis is a technology entrepreneur, strategist and author with substantial experience in executive and non-executive roles. Mr. De Santis is currently the Chief Executive Officer of De Santis Corporate Vision Strategists Ltd, a strategy and innovation consultancy and incubator. De Santis advises multinational corporations and start-ups on corporate vision & strategy, disruptive innovation, global branding, business model innovation, sustainability and corporate culture transformation.

Previously Mr. De Santis served on the board of publicly traded Lyris Technologies (acquired by AUREA Software in 2015). He began his management career at Landor Associates (now WPP Group). As a technology entrepreneur, he co-founded several high-profile start-ups, including opodo.com, one of Europe's most successful start-ups, reaching \$1.5 billion in gross sales.

Mr. De Santis is a regular lecturer at business schools and universities on business strategy, global branding, business model innovation and culture transformation, including IE Business School, Madrid and the University of Wyoming. He is the author of Megavision® Enterprise Futurising System - A revolutionary method to develop long term strategic vision for corporations.

Rafael Barrilero Yarnoz

Rafael Barrilero Yarnoz was appointed to the Board as a Non-Executive Director on May 13, 2021. He was appointed Chair of the Compensation Committee and served as a member of the Nominations Committee from June 23, 2021 until May 26, 2023.

Mr. Barrilero Yarnoz is a senior advisor at Mercer Consulting. Mr. Barrilero Yarnoz has developed his career as a

partner of the firm and as a member of the executive committee, leading the advisory talent and reward service for the boards of the main companies and multinationals. He has also led the business throughout the EMEA. Previously, he led the Watson Wyatt consulting firm in Madrid. He began his career as a lawyer at Ebro Agricolas focused on labour law, before serving as Ebro's head of human resources. In January 2022 he joined the board of directors of AltamarCAM and Grupo Hedima, as a permanent Senior Advisor. He collaborates with the HAZ foundation, whose mission is to ensure transparency and good corporate governance.

Mr. Barrilero Yarnoz has a law degree from Deusto and a Masters in Financial Economics from ICADE, as well as a masters in human resources by Euroforum-INSEAD.

Resolution 16 (re-appointment of auditor)

At each general meeting at which accounts are laid before the shareholders, the Company is required to appoint an auditor to serve until the next such meeting. KPMG LLP has served as the Company's statutory auditor since 27 June 2023 and the Board proposes to re-appoint KPMG LLP.

If this resolution does not receive the affirmative vote of a majority of the shares entitled to vote and represented by proxy or, where appropriate, present in person at the Annual General Meeting, the Board may appoint an auditor to fill the vacancy.

Resolution 17 (remuneration of auditor)

Under the Companies Act, the remuneration of the Company's U.K. statutory auditor must be fixed in a general meeting or in such manner as may be determined in a general meeting. The Company asks its shareholders to authorise the Audit Committee to determine the remuneration of KPMG LLP in its capacity as the Company's U.K. statutory auditor under the Companies Act.

Further notes:

- 1. Some of the resolutions are items that are required to be approved by shareholders periodically under the Companies Act and generally do not have an analogous requirement under United States laws and regulations. As such, while these resolutions may be familiar and routine to shareholders accustomed to being shareholders of companies incorporated in England and Wales, other shareholders may be less familiar with these routine resolutions and should review and consider each resolution carefully.
- 2. In accordance with the Articles, all resolutions will be taken on a poll. Voting on a poll will mean that each Ordinary Share represented in person or by proxy will be counted in the vote.
- 3. All resolutions will be proposed as ordinary resolutions, which means that such resolutions must be passed by a simple majority of the total voting rights of shareholders who vote on such resolutions, whether in person or by proxy. The results of the shareholders' vote on resolutions 1 and 2 regarding receipt of the U.K. Annual Report and Accounts and approval of the Directors' Annual Remuneration Report will not require the Board or any committee thereof to take (or refrain from taking) any action. The Board values the opinion of shareholders as expressed through such resolutions and will carefully consider the outcome of the votes on these resolutions.
- 4. Shareholders of record are entitled to attend, speak and vote at the Annual General Meeting. "Shareholders of record" are those persons registered in the register of members of the Company in respect of Ordinary Shares at 23:59 (British Summer Time) on 21 May 2024. If, however, Ordinary Shares are held for you in a stock brokerage account or by a broker, bank or other nominee, you are considered the "beneficial owner" of those Ordinary Shares.
- 5. Beneficial owners of Ordinary Shares as at 23:59 (British Summer Time) on 21 May 2024 have the right to direct their broker or other agent on how to vote the Ordinary Shares in their account and are also invited to attend the Annual General Meeting. However, as beneficial owners are not Shareholders of record of the relevant Ordinary Shares, they may not vote their Ordinary Shares at the Annual General Meeting unless they request and obtain a legal proxy from their broker or agent.
- 6. If two or more shareholders jointly hold shares in the Company, each shareholder may attend, speak and vote at the Annual General Meeting. However, if more than one joint holder votes, the only vote will count is the vote of the joint holder whose name is listed first on the register of members of the Company.

- 7. Any Shareholder of record attending the Annual General Meeting has the right to speak and to ask questions.
- 8. In accordance with the provisions of the Companies Act, and in accordance with the Articles, a Shareholder of record who is entitled to attend and vote at the Annual General Meeting is entitled to appoint another person as his or her proxy to exercise all or any of his or her rights to attend and to speak and vote at the Annual General Meeting and to appoint more than one proxy in relation to the Annual General Meeting (provided that each proxy is appointed to exercise the rights attached to different Ordinary Shares). Such proxies need not be Shareholders of record, but must attend the Annual General Meeting and vote as the Shareholder of record instructs. Further details regarding the process to appoint a proxy, voting and the deadlines therefor are set out in the "Voting Process and Revocation of Proxies" section below:
- 9. Pursuant to section 527 of the Companies Act 2006, shareholders meeting the threshold requirements set out in that section have the right to require the Company to publish on a website a statement setting out any matter relating to:
 - (a) the audit of the Company's accounts (including the auditor's report and the conduct of the audit) that are to be laid before the AGM; or
 - (b) any circumstance connected with an auditor of the Company ceasing to hold office since the previous meeting at which annual accounts and reports were laid in accordance with section 437 of the Companies Act 2006.

The Company may not require the shareholders requesting any such website publication to pay its expenses in complying with sections 527 or 528 of the Companies Act 2006. Where the Company is required to place a statement on a website under section 527 of the Companies Act 2006, it must forward the statement to the Company's auditor no later than the time when it makes the statement available on the website. The business which may be dealt with at the AGM includes any statement that the Company has been required under section 527 of the Companies Act 2006 to publish on a website.

- 10. The results of the polls taken on the resolutions at the Annual General Meeting and any other information required by the Companies Act will be made available on the Company's website as soon as reasonably practicable following the AGM and for a period of two years thereafter.
- 11. A copy of this Annual General Meeting notice can be found at the Company's website, www.ferroglobe.com.
- 12. Recipients of this notice and the accompanying materials may not use any electronic address provided in this notice or such materials to communicate with the Company for any purposes other than those expressly stated.
- 13. To be admitted to the Annual General Meeting, please bring the Admission Ticket that you will have received through the post. You will need to be able to provide your photo identification at the registration desk.
- 14. On arrival at the Annual General Meeting venue, all those entitled to vote will be required to register and collect a poll card. In order to facilitate these arrangements, please arrive at the Annual General Meeting venue in good time. You will be given instructions on how to complete your poll card at the Annual General Meeting.

VOTING PROCESS AND REVOCATION OF PROXIES

If you are a Shareholder of record, there are three ways to appoint and vote by proxy:

- By Internet You can vote over the Internet at www.envisionreports.com/GSM by following the instructions at such web address. You will need to enter your control number, which is a 15-digit number located in a box on your proxy card. We encourage you to vote by Internet even if you received this Annual General Meeting notice in the mail.
- By Telephone You may vote and submit your proxy by calling toll-free 1-800-652-8683 in the United States and providing your control number, which is a 15-digit number located in a box on your proxy card.
- By Mail If you received this Annual General Meeting notice by mail or if you requested paper copies of the Annual General Meeting notice, you can vote by mail by marking, dating, signing and returning the proxy card in the postage-paid envelope.

Appointing a proxy in this way will ensure that your vote is recorded but will not prevent you from attending and voting at the meeting in person or electronically. As set out below, the attendance of the Annual General Meeting in person will constitute a revocation of appointment of proxy.

Telephone and Internet voting facilities for Shareholders of record will be available 24 hours a day and will close at 00:01 (British Summer Time) on Monday, 17 June 2024. Submitting your proxy by any of these methods will not affect your ability to attend the Annual General Meeting.

If your shares are held in "street name", meaning you are a beneficial owner with your shares held through a bank or brokerage firm, you will receive instructions from your bank or brokerage firm, which is the Shareholder of record of your shares. You must follow the instructions of the Shareholder of record in order for your shares to be voted. Telephone and Internet voting may also be offered to shareholders owning shares through certain banks and brokers, according to their individual policies.

The Company has retained Computershare to receive and tabulate the proxies.

If you submit proxy voting instructions and direct how your shares will be voted, the individuals named as proxies must vote your shares in the manner you indicate.

A shareholder who has given a proxy may revoke it at any time before it is exercised at the Annual General Meeting by:

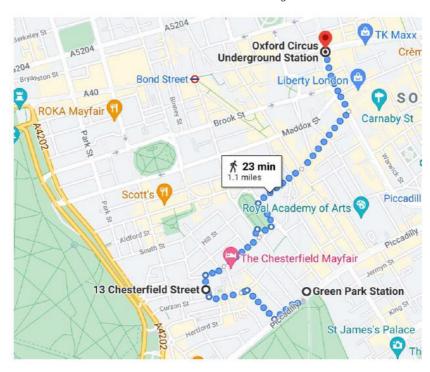
- attending the Annual General Meeting and voting in person;
- voting again by Internet or Telephone (only the last vote cast by each Shareholder of record will be counted), provided that the shareholder does so before 00:01 (British Summer Time) on Monday, 17 Imp. 2024
- delivering a written notice, at the address given below, bearing a date later than that indicated on the proxy card or the date you voted by Internet or Telephone, but prior to the date of the Annual General Meeting, stating that the proxy is revoked; or
- signing and delivering a subsequently dated proxy card prior to the vote at the Annual General Meeting.

You should send any written notice or new proxy card to Proxy Services, c/o Computershare Investor Services, PO Box 30202 College Station, TX 77842-9909, USA.

If you are a registered shareholder you may request a new proxy card by calling Computershare at 1-866-490-6057 if calling from the United States, or +1-781-575-2780 from outside the United States, or you may also send a request via email to web.queries@computershare.com.

ANY SHAREHOLDER OWNING SHARES IN STREET NAME MAY CHANGE OR REVOKE PREVIOUSLY GIVEN VOTING INSTRUCTIONS BY CONTACTING THE BANK OR BROKERAGE FIRM HOLDING THE SHARES OR BY OBTAINING A LEGAL PROXY FROM SUCH BANK OR BROKERAGE FIRM AND VOTING IN PERSON AT THE ANNUAL GENERAL MEETING. YOUR LAST VOTE, PRIOR TO OR AT THE ANNUAL GENERAL MEETING, IS THE VOTE THAT WILL BE COUNTED.

Location of Annual General Meeting:



DOCUMENTS AVAILABLE FOR INSPECTION

Forms of appointment of the Non-Executive Directors, as well as a memorandum setting out the terms of the Executive Director's contracts, will be available for inspection at the Company's registered office during normal business hours and at the place of the Annual General Meeting from at least 15 minutes prior to the start of the meeting until the end of the Annual General Meeting. Copies of the forms of buyback contracts which shareholders are being asked to approve will be made available for shareholders to inspect at Ferroglobe's registered office at 5 Fleet Place, London, EC4M 7RD for the period from 3 June 2024 until the date of the Annual General Meeting. Copies of the forms of contracts will also be available for inspection at the Annual General Meeting.

By order of the Board,

Thomas Wiesner Company Secretary

20 May 2024



Ferroglobe PLC Annual Report and Accounts 2023 Company Registration No. 09425113

Ferroglobe PLC

Annual Report and Accounts

Year ended 31 December 2023

Ferroglobe PLC

Annual Report and Accounts 2023

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Ferroglobe PLC

GLOSSARY AND DEFINITIONS

Unless the context requires otherwise, the following definitions apply throughout this U.K. Annual Report and Accounts (including the Appendix, save as set out below):

"2023" the financial year ended 31 December 2023;

the financial year ended 31 December 2022; "2022"

"2024 AGM" the Annual General Meeting of the Company, to be held in 2024;

"2023 Form 20-F" the Company's Form 20-F for the fiscal year ended 31 December 2023;

"ABL RCF" the Credit and Security Agreement for a new \$100 million North American asset-based revolving credit facility dated as of 30 June 2022, entered into between Globe and QSIP Canada ULC, as borrowers, and Bank of Montreal., as lender;

"ABL Revolver" credit available under the ABL RCF;

"Adjusted EBITDA" earnings before interest, tax, depreciation and amortisation, adjusted in accordance with Company's adjustments announced as part of its

earnings reports. Alternative Performance Measures are reconciled at Appendix 1;

"Alternative Performance Measures" the non-IFRS financial metrics reconciled at Appendix 1;

"Aon" Aon Plc;

"ARA" this annual report and accounts for the financial year ended 31 December 2023;

"Articles" the Articles of Association of the Company, from time to time;

"Auditor" KPMG LLP., the Company's independent U.K. statutory auditor;

"Board" the Company's board of directors;

"Business Combination" the business combination of Globe and FerroAtlántica as the Company's wholly owned subsidiaries on 23 December 2015;

"Business Combination Agreement" the definitive transaction agreement entered into on 23 February 2015 (as amended and restated on 5 May 2015) by, among others, the

Company, Grupo VM, FerroAtlántica and Globe;

"Capital" net debt plus total equity. Alternative Performance Measures are reconciled at Appendix 1;

"CEO", "Chief Executive Officer" or "Chief Executive" the Chief Executive Officer of the Company, or where the context requires, of the relevant company or organization;

the U.K. Companies Act 2006; "Companies Act"

"Company" or "Ferroglobe" Ferroglobe PLC, a company incorporated in England and Wales with registered number 09425113 and whose registered office is at 5 Fleet

Place, London EC4M 7RD, United Kingdom or, where the context requires, the Group;

"Consolidated Financial Statements" (save in the supplemental attachment when it will have the meaning given below) these consolidated financial statements for the year

ended 31 December 2023:

"Compensation Committee" the compensation committee of the Company;

"EBITDA" earnings before interest, tax, depreciation and amortisation;

"EIP" the Ferroglobe PLC Equity Incentive Plan, adopted by the Board on 29 May 2016 and approved by shareholders on 29 June 2016;

"EU" the European Union;

the U.S. Securities Exchange Act of 1934 (as amended); "Exchange Act"

"Executive Chairman" the executive chairman of the Company; "Executive Directors" or "Executives" the executive directors of the Company;

Ferroglobe Spain Metals (formerly Grupo FerroAtlántica, S.A.U.) a joint stock company organised under the laws of Spain, including (where the context so requires), its subsidiaries and subsidiary undertakings; "Ferroglobe Spain Metals" or "Predecessor"

"Free cash-flow" operating cash-flow less property, plant and equipment cash flows. Alternative Performance Measures are reconciled at Appendix 1;

"Ferroglobe USA" or "Globe" or "GSM" Ferroglobe USA (formerly Globe Specialty Metals, Inc.), a Delaware corporation, including (whether the context requires) its subsidiaries

and subsidiary undertakings:

"Group" the Company and its subsidiaries;

"Grupo VM" Grupo Villar Mir, S.A.U.;

"IASB" International Accounting Standards Board;

"IFRS" International Financial Reporting Standards;

"KPI" key performance indicator;

"NASDAQ" the NASDAQ Global Select Market; "NASDAQ Rules" the NASDAQ Stock Market Rules;

bank borrowings (excluding factoring programs), debt instruments, and other financial liabilities, less cash and cash equivalents. "Net debt"

Alternative Performance Measures are reconciled at Appendix 1;

"Non-Executive Directors" or "NEDs" the non-executive directors of the Company; "Reinstated Senior Notes" refer to the notes issued in exchange of 98.588% of the 9.375% Senior Notes due 2022 issued by Ferroglobe Finance Company PLC and

Globe due December 2025;

"Super Senior Notes" refer to the 9% senior secured notes due 2025 issued by Ferroglobe Finance Company, PLC and redeemed in July 2022;

"Ordinary Shares" the ordinary shares of \$0.01 each in the capital of the Company;

"Policy" the directors' remuneration policy in force from time to time;

"SHA" the amended and restated shareholders agreement between Group VM and the Company dated 22 November 2017, as amended on

 $23\;January\;2018,\,13\;May\;2021\;and\;29\;July\;2021;$

"SEC" the U.S. Securities and Exchange Commission;

"SOX" the U.S. Sarbanes-Oxley Act of 2002;

"Subactivity" incremental cost incurred at the plants in special circumstances, such as unscheduled shutdowns due to an unexpected breakdown that

 $needs\ to\ be\ repaired,\ and\ idling\ facilities/mothball;$

"U.K." the United Kingdom of Great Britain and Northern Ireland;

"U.S." the United States of America;

"Working capital" inventories and trade and other receivables, less trade and other payables. Alternative Performance Measures are reconciled at

Appendix 1;

"\$" U.S. dollars.

In the separate attachment hereto only (and for the avoidance of doubt, not in the remainder of this U.K. Annual Report and Accounts), the following phrase has the meaning given below:

"Consolidated Financial Statements" the audited consolidated financial statements of Ferroglobe and its subsidiaries as of 31 December 2023, 2022 and 2021 and for each of

the years ended 31 December 2023, 2022 and 2021, including the related notes thereto, prepared in accordance with IFRS, as filed on

SEC Form 20-F.

Ferroglobe PLC

U.K Annual Report and Accounts 2023 Officers and professional advisers

Directors Javier López Madrid Marta Amusategui Rafael Barrilero Yarnoz Bruce Crockett Stuart Eizenstat Stuart Eizenstat Marco Levi Nicolas de Santis Manuel Garrido y Ruano Belén Villalonga Juan Villar-Mir de Fuentes Silvia Villar-Mir de Fuentes

Company Secretary Thomas Wiesner

Registered Address 5 Fleet Place

London EC4M 7RD

Auditor KPMG LLP Statutory Auditor 15 Canada Square E14 5GL London

Ferroglobe PLC

Introduction

Ferroglobe PLC is a public limited company incorporated under the laws of England and Wales under Company Number: 09425113. Ferroglobe PLC and subsidiaries (the "Company" or "Ferroglobe") is among the world's largest producers of silicon metal and silicon-based alloys, important ingredients in a variety of industrial and consumer products. The Company's customers include major silicone chemical, aluminum and steel manufacturers, auto companies and their suppliers, ductile iron foundries, manufacturers of photovoltaic solar cells and computer chips, and concrete producers. Additionally, the Company was operating hydroelectric plants (hereinafter "energy business") in Spain until 2019 and is still operating in France.

The Company was incorporated in 2015 and its Ordinary Shares are listed for trading on the NASDAQ in U.S. dollars under the symbol "GSM".

The Company is subject to disclosure obligations in the U.S. and the U.S. and the U.S. while some of these disclosure requirements overlap or are otherwise similar, some differ and require distinct disclosures. Pursuant to the requirements of the Companies Act, this document includes our directors' strategic report, directors' report, remuneration report and required financial information (including our statutory accounts and statutory auditor's report for the reporting period commencing 1 January 2023 and ending 31 December 2023), which together comprise our U.K. annual reports and accounts for the period ended 31 December 2023 (the "U.K. Annual Report and Accounts").

We are also subject to the information and reporting requirements of the Exchange Act, regulations and other guidance issued by the SEC and the NASDAQ listing standards applicable to foreign private issuers. In accordance with the Exchange Act, we are required to file annual and periodic reports and other information with the SEC, including, without limitation, our 2023 Form 20-F. Certain other announcements made by the Company are furnished to the SEC on Form 6-K. Our status as a foreign private issuer requires the Company to comply with various corporate governance practices under SOX, as well as related rules implemented by the SEC. In addition, NASDAQ Rules permit foreign private issuers to follow home country practice in lieu of the NASDAQ corporate governance standards, subject to certain exemptions and except to the extent that such exemptions would be contrary to U.S. federal securities law.

We have provided as a separate attachment to the U.K. Annual Report and Accounts extracts from the 2023 Form 20-F to assist shareholders in assessing the Group's performance and results. Investors may obtain the full 2023 Form 20-F, without charge, from the SEC at the SEC's website at www.sec.gov or from our website at www.ferroglobe.com. Unless expressly stated otherwise, the information on our website is not part of this U.K. Annual Report and is not incorporated by reference herein.

The capitalized terms used throughout the U.K. Annual Report and Accounts are defined in the Glossary and Definitions section of this U.K. Annual Report unless otherwise indicated. In the following text, the terms "we," "our," "the Company", "our Company" and "us" may refer, as the context requires, to Ferroglobe or collectively to Ferroglobe and its subsidiaries. Throughout the U.K. Annual Report, rounding has been applied and numbers given and totals aggregated may differ in consequence.

Chairman's Letter to Shareholders

Dear Fellow Shareholders

First, I want to thank our most valuable asset, the employees, for their strong commitment and contribution to Ferroglobe. Your dedication has enabled the company to continue providing excellent service to our customers across the globe, and with your resilience, we have made significant progress as a company. Together, we are building a stronger, more efficient, competitive and sustainable Ferroglobe. I would be remiss if I didn't also thank our partners, suppliers and shareholders who have continued to support our journey over the past years.

Across the globe, 2023 was another year of significant uncertainties and challenges on multiple fronts, both geopolitical and economic. The war continued in Ukraine, a new conflict erupted in the Middle East, and inflation led central banks to increase interest rates with many countries experiencing slowing economic growth. In spite of these difficulties, we remain steadfast in our mission to drive innovation of critical materials essential to a sustainable future..

2023 PERFORMANCE

After the record-breaking performance in 2022, we had another successful year in 2023 despite declining prices throughout most of the year.

For the full year, consolidated revenue decreased 36%, from \$2,598 million in 2022 to \$1,650 million in 2023, adjusted EBITDA fell from \$860 million in 2022 to \$315 million in 2023, and consolidated operating profit of \$660 million in 2022 contracted to \$197 million in 2023 due to soft market conditions, which affected prices and volumes.

Even though our profitability declined in 2023, we still posted a solid EBITDA and, more importantly, continued to deliver strong cash flow during the year with an operating cash flow of \$178 million and free cash flow of \$95 million. These strong results were made possible by the strategy we began executing in prior years to optimize our footprint, focus on continuous improvement, and embrace commercial excellence while rightsizing our cost structure.

There are more details on the Company's key performance indicators on page 153.

STRENGTHENING OUR BALANCE SHEET

Ferroglobe strengthened its financial position during the year by successfully executing its strategy to reduce debt. By redeeming \$150 million of senior secured notes in July, we ended the year with \$252 million of adjusted gross debt, representing a debt reduction of \$207 million during 2023.

In February 2024, we reached a significant milestone by eliminating the remaining \$148 million of these senior secured notes, reducing our adjusted gross debt to less than \$100 million, while maintaining a comfortable cash position. Continued strong cash flow generation also allowed us to implement a quarterly dividend with an initial quarterly dividend of \$0.013 per share, which was paid on March 2024.

Our liquidity is further bolstered by our \$100 million asset-based revolving credit facility with the Bank of Montreal. This covenant-light credit facility is undrawn, providing the flexibility we need to execute our plan.

DELIVERING ON ESG

We are proud to announce that we published our second Global ESG Report in 2023. We are making great strides in our environmental, social and governance disclosure as we continue to enhance our approach and improve our reporting and tracking of key metrics. The report outlines our ESG strategy which is built upon four fundamental pillars:

· Strengthening our governance framework;

- · Promoting solid and honest engagement with our people and the communities where we operate;
- · Reinforcing the role of sustainability through our value chain; and
- · Improving our environmental footprint to enable sustainable development.

Our teams have made great progress over the last years on various important ESG initiatives to reduce Ferroglobe's greenhouse gas emissions and increase our usage of electricity from renewable sources, which is a critical part of our mission to be a responsible, sustainable corporate citizen. It is highly important in our value chain, from suppliers to our customers, to manage our carbon footprint to satisfy the needs of all our constituents. We are proud of the progress we have made in a short period of time.

CORPORATE GOVERNANCE IMPROVEMENTS

On 26 May 2023, the Board of Directors made important improvements to our corporate governance by eliminating the prior structure of the separate Nominations and Corporate Governance Committees, replacing them with a new combined Nominations and Governance Committee. This new committee consists of three independent directors: Nicolas De Santis (Chair), Belen Villalonga and Bruce Crockett. In addition, Silvia Villar-Mir de Fuentes resigned from the Compensation Committee, with Stuart Eizenstat joining that committee. As a result of these changes, all three standing committees of the Board are comprised exclusively of independent directors, reflecting best industry practices. We believe that these changes will strengthen our corporate governance framework and contribute to the long-term success of our company-.

LOOKING AHEAD

The markets remain challenging into 2024 with macroeconomic uncertainty still present. However, we have seen our customers restocking and some price recovery in the early part of the year. It's likely that some of the price recovery has been helped by supply disruptions due to a silicon plant fire in Norway and interruptions in normal shipping routes through the Suez Canal. We believe the European markets for our products reached the trough in September 2023 and have shown steady price improvement since that time. The US market was slower to recover with its trough likely occurring in December 2023 with modest price appreciation in the first part of 2024.

We are in an excellent position with our diversified footprint to take advantage of global demand growth in the coming years as an increasing number of countries accelerate their green transition through solar energy or electric vehicle adoption utilizing advanced silicon composite or silicon-rich battery technology. We believe this secular trend, with the support of governments' onshoring encouragement, will see significant long-term growth.

On behalf of our board of directors, I would like to express my sincere gratitude to all our stakeholders for your continued support, dedication and confidence in our company. We will remain agile and resilient, adjusting to the evolving market environment. Together, we will strive to create more value for all our shareholders, partners and employees.

Javier López Madrid Executive Chairman

Strategic report

This strategic report for the financial year to 31 December 2023 has been prepared in compliance with Section 414C of the Companies Act to provide an overview of the Group's business and strategy. It contains certain forward-looking statements. These statements are made by the directors in good faith based on the information available to them up to the time of their approval of this report and such statements should be treated with caution due to the inherent uncertainties, including both economic and business risk factors, underlying any such forward-looking information.

For a supplementary description of our business (including our model, strategy and competitive strengths), risks associated with our business and our results of operations, see the following sections of the 2023 Form 20-F: Part I, Item 3, Section D, Risk factors; Item 4, Information on the Company; Item 5, Operating and Financial Review and Prospects; Item 7, Major Shareholders and Related Party Transactions and Item 11, Quantitative and Qualitative Disclosures About Market Risk. These sections are set out in a separate attachment to this U.K. Annual Report.

Nature of the business

Through its operating subsidiaries, Ferroglobe is one of the world's largest producers of silicon metal, silicon-based alloys and manganese-based alloys. Additionally, Ferroglobe currently has quartz mining activities in Spain, the United States, Canada, and South Africa, low-ash metallurgical quality coal mining activities in the United States, and interests in hydroelectric power in France. Ferroglobe controls a meaningful portion of many of its raw materials and captures, recycles and sells most of the by-products generated in its production processes.

We sell our products to a diverse base of customers worldwide, in a varied range of industries. These industries include aluminum, silicone compounds used in the chemical industry, ductile iron, automotive parts, renewable energy, photovoltaic (solar) cells, electronic semiconductors and steel, all of which are key elements in the manufacturing of a wide range of industrial and consumer products.

We are able to supply our customers with the broadest range of specialty metals and alloys in the industry from our production centers in North America, Europe, South America, Africa and Asia. Our broad manufacturing platform and flexible capabilities allow us to optimize production and focus on products most likely to enhance profitability, including the production of customized solutions and high purity metals to meet specific customer requirements. We also benefit from low operating costs, resulting from our ownership of sources of critical raw materials and the flexibility derived from our ability to alternate production at certain of our furnaces between silicon metal and silicon-based alloy products.

Business model and strategy

As part of the strategy for delivering the objectives of the Company, the Group develops new products or new specifications on a continual basis. As a consequence of these efforts, investments may be made in facilities that allow the production of new products, such as higher-grade silicon metal, solar grade silicon metal or new foundry products.

In 2020 we conducted a deep and broad evaluation of our Company with the goal of designing a strategic plan focused on bolstering the long-term competitiveness of the business and returning the Company to profitability by fundamentally changing the way we operate, both operationally and financially. The multi-year turnaround plan we developed impacts all the functional areas of our Company as we seek to drive changes that ensure competitiveness throughout the cycle. Since 2021, the Company has successfully been delivering on its strategic EBITDA improvement projects, yielding positive EBITDA of \$270,472 thousand, \$742,106 thousand and \$128,714 thousand, for the years ended December 31, 2023, 2022 and 2021, respectively. These consecutive positive results reflect the Company's turnaround and commitment to executing on its strategic plan, which is driven by the following key areas:

Footprint optimization: One of the Company's core advantages is our large and diverse production platform. While our asset footprint provides flexibility, at times we are restricted in our ability to quickly adapt to changing market conditions due to inherent constraints in curtailing capacity, particularly for shorter durations. Prospectively, our goal is to ensure that the operating platform is more flexible and modular so shifts in production, based on needs and relative costs, are incorporated swiftly. Through this value creation driver we aim to shift our capacity footprint by optimizing production to the most competitive assets.

- <u>Continuous plant efficiency:</u> We will continue to build on the success of our existing key technical metrics (KTM) program, which consists of specific initiatives aimed at enhancing our process, minimizing waste, and improving the overall efficiency to drive down costs. The Company maintains a pipeline of initiatives developed through the sharing of best practices amongst our numerous sites and through new improvements identified by our research and development team. Moreover, we have implemented developing tools to track our key performance indicators in an ongoing effort to improve furnace level performance.
- Commercial excellence: We have implemented commercial best practices to maximize profitable revenue, aiming at improving and reinforcing our pricing, account management, salesforce effectiveness, and product portfolio and customer focus. We have strengthened our customer relationships by developing a target portfolio prioritization, re-designing our commercial coverage and operating model, and structuring our account planning, with the definition of clear objectives for each of our customers and a sustained focus on long-term partnership building. We have implemented a range of digitally-enabled tools and processes across the entire commercial function, bringing our team's performance to the next level. Through our new customer relationship management tool, we have reinforced our account management and front-line effectiveness, as well as our customer service and quality management. On pricing, we have redesigned our governance process and introduced new tools to maximize profitability and provide margin transparency for every sale. Furthermore, we have re-designed our product management function, empowering this role to create customer value and act as a consistent source of information and cross-functional coordination.
- Centralized procurement: Our centralized procurement process enhances the effectiveness of our spending efforts, improves our ability to schedule purchases and enables us to benefit from bulk purchases. Buying better is a supply-led effort that focuses on price and volume allocation, negotiating prices and terms, managing price risks, pooling volumes and contracts, shifting volumes to best-price suppliers and leveraging procurement networks. Spending better is an operation-led effort to control demand, enforce compliance, reduce complexity, and perform value engineering to foster efficient spending. In addition to cost reductions, our campaign to spend better will reduce supply chain risk, supporting continuous quality and service improvement, fostering better decision-making about suppliers and optimizing resource allocation.
- Other operating expenses reduction: During our corporate review, we identified significant opportunities for further cost improvement through permanent cost cutting at our plants, as well as the corporate centers. By tracking these costs vigorously and increasing accountability, we aim to bolster the overall cost structure at various levels. Through this, we aim to create a culture focused on cost control and discipline for deploying best practices to drive sound spending decisions without compromising our overall performance.
- Working capital improvement: The Company continues to focus on and improve its net working capital by establishing targets and improving our Supply Chain processes. This will allow us to sustain competitive levels of working capital throughout the cycle.

There is more information on the Group's business, risks, key financials and organizational structure in Part I, Item 3, Item 4, Item 5 Information on the Company of the 2023 Form 20-F (as set out in the separate attachment to this U.K. Annual Report and not forming part of our financial statements). This, together with the information in this Strategic Report, and the Operating and Financial Review and Prospects section of the 2023 Form 20-F included in the separate attachment provides a fair review of the Company's business and its development and performance during 2023.

Principal risks and uncertainties

Kev Risks

We operate in a highly competitive industry.

The silicon metal market and the silicon-based and manganese-based alloys markets are global, capital intensive and highly competitive. Our competitors may have greater financial resources, as well as other strategic advantages, to maintain, improve and possibly expand their facilities, and, as a result, they may be better positioned than we are to adapt to changes in the industry or the global economy. Advantages that our competitors have over us from time to time, new entrants that increase competition in our industry, and increases in the use of substitutes for certain of our products could have a material adverse effect on our business results of operations and financial condition

Our business is particularly sensitive to increases in energy costs, which could materially increase our cost of production.

Electricity is one of our largest production components in terms of cost as a percentage of sales. The price of electricity is determined in the applicable domestic jurisdiction and is influenced both by supply and demand dynamics and by domestic regulations. Changes in local energy policy, increased costs due to scarcity of energy supply, climate conditions, the termination or non-renewal of any of our power purchase contracts and other factors may affect the price of electricity supplied to our plants and adversely affect our results of operations and financial conditions.

Because electricity is indispensable to our operations and accounts for a high percentage of our production costs, we are particularly vulnerable to supply limitations and cost fluctuations in energy markets. For example, at certain plants, production must be modulated to reduce consumption of energy in peak hours or in seasons with higher energy prices, in order for us to maintain profitability. In general, high or volatile energy costs in the countries in which we operate could lead to erosion of margins and volumes, leading to a potential reduction in market share.

Our business benefits from antidumping and countervailing duty orders and laws that protect our products by imposing special duties on unfairly traded imports from certain countries. If these duties or laws change, certain foreign competitors might be able to compete more effectively.

Ferroglobe benefits from antidumping and countervailing duty orders and laws that protect its business and products by imposing special duties on unfairly traded imports from certain countries. See "Item 4.B. —Information on the Company—Business Overview—Regulatory Matters—Trade" for additional information.

These orders may be subject to revision, revocation or rescission at any time, including through periodic governmental reviews and proceedings. Current antidumping and countervailing duty orders thus (i) may not remain in effect and continue to be enforced from year to year, (ii) may change the covered products and countries under current orders, and (iii) may reassess duties.

Changes in any of these factors could adversely affect our business and profitability. Finally, at times, in filing trade actions, we arguably act against the interests of our customers. Certain of our customers may not continue to do business with us as a result.

Our business operations may be impacted by various types of claims, lawsuits, and other contingent obligations.

We are involved in various legal and regulatory proceedings including those that arise in the ordinary course of our business. We estimate such potential claims and contingent liabilities and, where appropriate, record provisions to address these contingent liabilities. The ultimate outcome of the legal matters currently pending against our Company is uncertain, and although such claims, lawsuits and other legal matters are not expected individually to have a material adverse effect, such matters in the aggregate could have a material adverse effect on our business, results of operations and financial condition. Furthermore, we could, in the future, be subject to judgments or enter into settlements of lawsuits and claims that could have a material adverse effect on our results of operations in any particular period. While we maintain insurance coverage in respect of certain risks and liabilities, we may not be able to obtain such insurance on acceptable terms in the future, if at all, and any such insurance may not provide adequate coverage against such claims.

Other risks and uncertainties

In addition to the key risks above, the Company is exposed to a number of risks which are monitored on an ongoing basis and which are summarized in the supplementary attachment. There is more information on the Group's, risks, in Part I, Item 3 Key Information on the Company of the 2023 Form 20F (as set out in the separate attachment to this U.K. Annual Report).

Internal control environment

We did not maintain an effective control environment to enable the identification and mitigation of the risk of the existence of potential material accounting errors. We have identified deficiencies in the principles associated with the control environment component of the COSO framework. There is more information on the Group's controls and procedures in Part I, Item 15 Controls and Procedures of the 2023 Form 20F (as set out in the separate attachment to this U.K. Annual Report)

Key Performance Indicators ("KPIs")

The Board considered that the most important KPIs during 2023 were those set out below. Certain of these KPIs will also be a core area of focus during 2023.

At the corporate level, the principal KPIs that we use for measuring the overall performance of our business are:

- EBITDA
- · Adjusted EBITDA
- · Adjusted EBITDA margin
- · Working capital improvement
- · Free cash-flow
- · Adjusted Gross Debt
- · Net Debt to Total Assets
- · Net Debt to Capital; and
- · Net Income.

Some of these measures are also part of our compensation structure for the key executives, as follows:

- · Adjusted EBITDA: EBITDA, adjusted in accordance with Company's adjustments announced as part of its earnings reports.
- · Free cash-flow, which represents net cash provided by operating activities less payments for property, plant and equipment.

The following table sets out the Company's performance in respect of these financial and non-IFRS measures in 2023. Refer to Appendix 1 for reconciliations of these non-IFRS measures.

		Adjusted		
Adjusted		EBITDA	Working	Free Cash-
EBITD	A	Margin	Capital	Flow
(\$m)			(\$m)	(\$m)
315.2		19.1%	510.7	94.7
(2022: 86	0.0)	(2022: 33.1%)	(2022: 705.9)	(2022:352.9)

Reported EBITDA	Net Income	Adjusted Gross Debt	Net Debt to Total Assets	Net Debt to Capital
EDITUA	Hicome	Dent	Total Assets	Сарнаі
(\$m)	(\$m)	(\$m)		
262.9	98.5	252.0	6.5%	11.6%
(2022: 732.1)	(2022: 443.8)	(2022: 459.0)	(2022: 6.9%)	(2022:15.2%)

In addition to these financial KPIs, there are a number of non-financial performance measures which the Company uses to gauge its success such as customer attrition, inventory rotation /obsolescence, benchmark against competitors and others. Some of these are reflected in the annual bonus and equity plan objectives for senior management and are reviewed each year to ensure their continued relevance. In the financial year ended 31 December 2023, the annual bonus was subject to meeting certain financial conditions related to net cash flow and EBITDA. Further information on performance in respect of these performance measures is in the Directors Remuneration Report at page 35.

Details of the Group's anti-bribery and corruption and environmental policies are below and details of its employment policies and greenhouse gas emissions are set out below and in the Directors' Report.

Employees

As of 31 December 2023, the Group had:

- · 9 directors, of whom 6 are male and 3 are female;
- · 315 senior managers, of whom 240 are male and 75 are female; and
- · 3,184 employees, of whom 2,857 are male and 327 are female.

Environment and other social matters

Ferroglobe is committed to conducting its business in compliance with all applicable laws and regulations in a manner that has the highest regard for human rights, the environment and the health and safety and well-being of employees and the general public. During the year under review the Group's employees were each asked to re-confirm in writing their commitment to the Company's Code of Conduct which emphasizes the Group's commitment to the highest standards of integrity, ethical behavior, transparency, safety and corporate citizenship. The Code of Conduct incorporates the Group's key policies on matters including whistleblowing, anti-bribery and corruption, environmental impacts, health and safety and respect in the workplace and the conduct of national and international trade.

Section 172 (1) Statement

This section of the U.K. Companies Act sets out a number of matters to which directors of a U.K. company must have regard in discharging their duty to promote the success of the Company. The strategic report must include a statement which describes how the directors have had regard to those matters when performing their duties. The Board welcomes this opportunity to throw more light on its governance structures and on how input from its stakeholders has informed and shaped its decision-making. In 2023 the Board exercised all their duties with regard to these and other factors as they reviewed and considered proposals from senior management and governed the Company through the Board and its Committees.

The factors which the directors must take account of can be summarised as:

- · the likely consequences of any decision in the long term
- taking account of the interests of the Company's employees and fostering business relationships with customers, suppliers and other relevant stakeholders, such as regulatory bodies, governments and local authorities
- the impact of operations on the community and the environment
- · maintaining a high standard of business conduct
- · acting fairly between its members

In order to take account of these factors, the Board must be informed of them. This takes place directly and indirectly, through collaborative working with management and direct and indirect feedback, as illustrated below. The Company's internal control framework, including the Company's Sarbanes Oxley controls, and the work of the Internal Audit team assists in providing assurance to the Board on the information made available to it.

The likely consequences of any decision in the long-term

The governance structures of the Company include delegation of certain responsibilities of the Board to its key Committees and delegation of the Board's authority for the executive management of the Company to its executive team, subject to clearly defined limits and regular monitoring by the Board and subject also to the reservation to the Board of any matter not expressly delegated in this way.

The management team bring their annual budget to the Board for approval each year. This includes forecasts, expected revenues, costs and major expenditure and projects for the year ahead. Each year the Board typically also takes a day out of its board calendar to consider, with the majority of the management team, the Company's strategic plan. The Board held an extensive strategy day in June 2022 and subsequently approved the Company's medium-term strategy in September 2022.

Throughout the year, the Board has received a number of reports on the Company's capital structure and financing arrangements. Reports were made regularly to the Board by the management team members responsible for each function and region on their area of responsibility, their performance, priorities and key decisions and risks for the immediate future and medium term, giving assurance that proper consideration is made to the longer-term in decision making throughout the business.

Staying informed on employee, customer, supplier, investor and other key stakeholders' views

Our relationships with those who work for the Company and with the Company are key to our success. The Board stays up to date with views of our employees through a number of means: key members of the management team, usually attend the management presentation made at each Board meeting when their input is regularly solicited. They are also consulted in less formal settings. Prior to the Covid-19 pandemic, Directors had an annual schedule of visits to our facilities which enable them to spend time with our people on the ground and receive their direct feedback. One output of these pre-Covid site visits led to an increased focus at Board level on the importance of driving a unified brand and culture for Ferroglobe. There are other channels through which the Board or its Committees receives reports on employee views; these include the Chief People & Culture Officer's normal attendance at Compensation Committee meetings; and the confidential whistleblowing hotline, reports to which are in turn reported to the Audit Committee at its scheduled meetings. In 2023 the CEO continued with town hall meetings, face to face and virtually, with employees across the Group to keep them updated on our financial and operational performance; employees are encouraged to raise questions as part of those sessions.

We build strong relationships with our customers and suppliers, including our partnerships, spending a lot of time with them to best understand their goals and how to develop our business in our respective interests. The Board is aware that many of our relationships are long-term and depend on mutual trust and collaboration. The Board gets feedback on customer and supplier issues on a regular basis: through the input of the Chief Commercial Officer and Marketing and VP Supply Chain Management who normally attend management presentations in the scheduled Board meetings and through presentations each has made to the Board on their areas of responsibility, priorities and challenges.

The Board is aware that the Company relies on the support of its shareholders and their views are important to it. The Board's interactions with these stakeholders take place through a variety of channels. The Company's major shareholder, Grupo VM, had during 2023 four representative directors on the Board through whom views and input can be provided or sought. The Board receives feedback from other shareholders and the investment community through the Company's quarterly results presentations. The VP Investor Relations is a regular attendee at Board meetings and shares themes or commentary made to the Executives and management by the Company's investors and certain other stakeholders. Shareholders typically have the opportunity to attend the general meetings of the Company, including the AGM, and put questions to directors formally at the meeting and in a more relaxed environment before and afterwards. The Company also maintains an investor relations email address on its corporate website, questions posed to which are directed to its VP Investor Relations and, where relevant, would then be raised by them with the other management team members or the Board.

Engaging with community and the environment

We engage with communities, government and regulators in the areas and countries in which we operate through a range of industry consultations, membership in several trade and industry associations, participation in conferences, forums and meetings. We have engaged with local charities and community groups. We also routinely consult with the local, regional and central governments and their agencies on the proposed changes in conditions of operations of our production facilities. These matters are reported to the Board, which is kept updated on the status of these discussions and their progress.

We identify and assess the potential impacts that our business has on the environment and work with relevant authorities and industry experts to manage and minimise these impacts. The Audit Committee of the Board receives regular updates on any allegations of non-compliance by the business with environmental laws and regulations. There is more on this in Note 25 of our financial statements.

Sustainability has been identified by management as a top priority. First and foremost, we recognize the criticality of the company to take an active role in leading and driving change for the betterment of society. Furthermore, given the growing focus on sustainability amongst our stakeholders we need to create more transparency around our performance and the action plan to drive the changes required to meet our goals. In 2022 we issued the first ESG report on the 2021 financial year as the commencement of our new approach to sustainability disclosure.

In 2022 we approved Ferroglobe's ESG Strategy 2022-2026 which sets the roadmap that makes sustainability a strategic pillar for the organization at the global level.

The ESG Strategy is aimed at being progressively implemented from 2022 to 2026, and has been defined based on four Strategic lines:

- 1. Strengthening our governance framework
- 2. Promoting a solid & honest engagement with our people and local communities where we operate
- 3. Reinforcing the role of sustainability through our value chain
- 4. Improving our environmental footprint to enable materials which are vital for sustainable development.

A specific ESG Committee has been designated to adopt and implement the ESG Strategy through 5 specific working groups to engage all business and corporate leaders to adopt and implement the ESG responsibilities set forth in the strategy.

The ESG Committee reports to the Management Team and The Board of Directors, which is ultimately responsible for the Company's ESG performance.



The ESG working groups are responsible for monitoring and coordinating the development of the 40 measures that have been established within the strategy, as well as establishing and tracking targets to measure the degree of implementation of each of them.

We have defined our ESG Strategy 2022-2026 in alignment with the United Nations Sustainable Development Goals (SDGs), identifying for each of the defined measures the specific targets to which it contributes to. In this sense, we have determined 8 out of the 17 SDGs, which are the most relevant in our activities and on which we shall focus our efforts.



The measures set for each strategic line are summarized as follows:

- Strengthening our governance framework: Measures aimed at integrating sustainability into the Group's strategy, governance tools and organizational structure and also starting reporting through an annual ESG report.
- Promoting a solid & honest engagement with our people and local communities where we operate: Measures aimed at achieving a corporate culture by harmonizing procedures for people management, guided by the fundamental values of collaboration, leading change, respect and ownership. Focusing on Health & Safety as a top priority and guiding principle in all our operations and promoting diversity, equality and inclusion as part of Ferroglobe's core value of respect by setting a "DEI Roadmap".
- · Reinforcing the role of sustainability throughout our value chain: Measures to promote the integration of sustainability among Ferroglobe's value chain, both upstream and downstream by assessing our suppliers according to the ESG approach and coordinating the procedures to respond to customer's needs in terms of ESG performance. The environmental footprint of our products will also be assessed developing specific Life Cycle Assessment studies.
- · Improving our environmental footprint to enable materials which are vital for sustainable development: Measures focused at reducing the environmental impacts of products and processes and integrate the environmental risks management approach to strengthen our resiliency and sustainability. Extending the environmental and energy management systems certification according to ISO standards in our production sites. Boosting energy efficiency through technological and processes improvement. Setting a Corporate Climate Change Framework and setting specific emission reduction targets. Promoting circularity principles for waste and water management trough specific programs in the plants to reduce the global environmental footprint.

ESG Risk Management Approach

Under the Governance strategic line, ESG risks have been integrated in the Company's risk management system, and we have started the Climate Change Risks & Opportunities Assessment aligned with the TCFD recommendations.

Non-Financial and Sustainability Information Statement

Ferroglobe Plc (hereinafter referred to as Ferroglobe or the Company) is a leading global producer of advanced metallurgical products. The Company is the largest merchant producer of silicon metal in the Western World, and a leading global producer of silicon-based alloys and manganese-based alloys. The Company's main activity is to transform minerals into advanced materials that are critical in modern society, and sell those products worldwide, to a varied range of industries, including the manufacturing of steel, iron, aluminium and semiconductors and silicone compounds, among others. Ferroglobe's worldwide operations include assets in Argentina, Canada, China, France, Venezuela, Norway, South Africa, Spain, and the United States. Production sites include 18 mining sites, 23 electrometallurgical plants, an electrode production plant and two hydro stations, with corporate offices in London and Madrid.

Regarding the supply chain, Ferroglobe's operations depend on two main types of raw materials: carbon reductants, such as coal, wood, charcoal, metallurgical coke, petroleum coke and anthracite; and minerals, such as quartz and manganese ore. At the Company's mining sites, raw materials such as metallurgical coal and quartz are extracted, partially covering production demand. When local mining production cannot fulfil that demand, the Company relies on a network of qualified suppliers in each geographical region to ensure reliable access to high quality and sustainable raw materials.

a. A description of governance arrangements of the company in relation to assessing and managing climate-related risks and opportunities

In 2022, the ESG Steering Committee was established with the mission of overseeing and managing the implementation of the Ferroglobe's ESG strategy, including the management of climate-related risks and opportunities within the purview of the Sustainability Area's management.

The Sustainability Area, within the Technology and Innovation division, leads the identification and assessment of climate-related risks and opportunities. Furthermore, the Finance division works in tandem with the Sustainability Area in coordinating the integration of climate change risks results into the Company's Enterprise Risk Management (ERM), and presents them annually to the Audit Committee (AC) and to the Board of Directors

b. A description of how the company identifies, assesses, and manages climate-related risks and opportunities.

The methodology considered for identifying and assessing climate-related risks and opportunities is semi-quantitative and aligned with IPCC technical guidelines. It has been applied at the group level but has taken into consideration each of the Company's production sites. This analysis is required to be updated annually.

The first step was to identify the current and potential risks and opportunities to which the Company may be exposed. This involved obtaining a preliminary list of risks and opportunities through a review of standards and regulations, as well as a benchmarking process and professional expertise. For physical climate risks, the EU Taxonomy (climate act) was taken as the key anchor. For transition risks and opportunities, the Task Force for Climate-related Financial Disclosure (TCFD) was the main reference.

The second step was to calculate the inherent and residual level of risk for physical and transition risks. For physical risks, the considered factors have included the following variables: impact, exposure, vulnerability, and adaptation; and for transition risks, the considered variables include impact, probability, and mitigation. In the case of opportunities, the factors considered were benefits and probability to determine the level of success.

Finally, risks have been prioritised according to the residual level obtained for physical and transition risks. In the case of opportunities, the prioritisation was based on the level of success.

The results of the analysis of climate-related risks and opportunities are expected to be overseen specifically by the ESG Steering Committee and included in the annual reports presented to the Board. Additionally, they will be integrated into the Corporate Risk Matrix, in accordance with the Company's Enterprise Risk Management (ERM) Framework.

c. A description of how processes for identifying, assessing, and managing climate-related risks are integrated into overall risk management process in the company

Ferroglobe applies a group-wide approach to managing risks through an ERM framework, which is largely based upon the ISO 31000 – Risk Management Standard. The Company's purpose is to continuously develop its risk management approach through a systematic framework geared towards the most inherent risks. Taking this approach provides greater visibility and increased risk awareness, ensures the appropriate management of risks, enables risks to be aggregated and allows the Company to take a portfolio approach to risk management.

Ferroglobe's ERM framework allows the Company to proactively identify, assess and manage risks related to its broad range of activities. The prioritised risks are defined according to a specific ranking obtained through the assessment of each risk's likelihood, expected impact and the strength of current controls, based on specific thresholds and criteria. As a result, risk control/mitigation involves one of four possible actions: tolerate, treat, transfer, or terminate the risk. Risk owners are responsible for the coordination of efforts to mitigate and manage those risks, as well as providing updates and identifying new risks.

Regarding the climate-related risks identified and assessed by the methodology described in the previous section (point b), the prioritised ones are then expected to be included in the globalised risk matrix.

- d. A description of:
 - i. The principal climate-related risks and opportunities arising in connection with the operations of the company
 - ii. The time periods by reference to which those risks and opportunities are assessed

Physical risks: After screening the 28 climate-related hazards included in the Commission Delegated Regulation (EU) 2021/2139, of 4 June 2021¹, a total of 14 physical hazards were identified as considered relevant to Ferroglobe's business (heat stress, temperature variability, heat waves, cold waves, wildfires, cyclones, storms, tornadoes, rainfall, sea level rise, water stress, drought, heavy precipitation, and floods).

¹The regulation establishes the technical screening criteria for determining the conditions under which an economic activity qualifies as contributing substantially to climate change mitigation or climate change adaptation and for determining whether that economic activity causes no significant harm to any of the other environmental objectives. The list of climate-related hazards included is non-exhaustive and constitutes only an indicative list of most widespread hazards that are to be considered.

The physical hazards were assessed using climatic variables and their evolution over time under various climate scenarios. The time periods were defined in alignment with those considered by the Intergovernmental Panel on Climate Change (IPCC) in its studies and publications; short-term (2023-2040), medium-term (2041-2060), and long-term (2081-2100). The analysed climate scenarios were SSP2 – 4.5 ("medium emissions") and SSP5 – 8.5 ("high emissions").

After applying the methodology previously described, sea level rise in the long term and drought in the short term have been identified as the most relevant physical risks. The former has been modelled using global projections of the extreme sea level rise. The latter has been modelled using available public water stress levels and projections for future dry spells which could result in low water levels and have effects in our operations such as reduced income due to water scarcity in operational processes, increased European coal prices, reduced the cooling operation of nuclear reactors in France, increasing energy costs and reduced production of hydroelectric dams, increasing energy costs in affected energy markets.

Nevertheless, in the past, the Company has experienced non-material direct impacts as a result of weather-related incidents in recent years. For example, heavy rains in Colombia occasionally create issues with transporting coal, an important raw material for our production. Flooding in South Africa and the United States has occasionally delayed transportation of raw materials or finished goods. Similarly, snow events have temporarily delayed transportation. Heat wave incidents have required the Company to adapt working conditions and operating hours.

Therefore, the Company has not identified or experienced **any material**² physical effects of climate change on its operations or results, including, as a result of severe weather, weather-related damages to our property or operations, indirect weather-related impacts affecting major customers or suppliers, or material weather-related impacts on the cost or availability of insurance.

Moreover, any weather-related damages have been de minimis and represented substantially less than 1% of the other operating expense line item in each of the years ended December 31, 2020, 2021, 2022, and 2023, which reflect the immaterial nature of any such incidents. The Company has prepared and reviewed an internal analysis of potential risk factors associated with climate. Although climate could present an impact in the long-term, in the near future, we do not expect a material impact on our business.

Regarding adaptive capacity, Ferroglobe assesses and manages the effects of natural disasters and extreme weather conditions through its integrated, company-wide control and risk management process. Moreover, the Company conducts preparedness planning and implements measures designed to maintain business continuity and mitigate the financial impacts of natural disasters and extreme weather conditions, which may include physical climate-related risks. Specifically, Ferroglobe's sites and operations have already organically developed adaptive measures such as installation of pumps, or construction of protective infrastructure to manage flooding, air conditioning, increased stock capacity, and implementation of transportation and logistic alternatives.

Transition risks: After screening the 15 climate-related transition risks by the Task Force on Climate-Related Financial Disclosures (TCFD), a total of 10 transition risks were identified as considered particularly relevant to Ferroglobe's business.

The transition risks were assessed using the International Energy Agency's (IEA) Stated Policies Scenario (STEPS) and the Net Zero Scenario in the short term (2023-2030) and long term (2050). After applying the methodology described in point b, as a result, the following 3 transition risks were prioritised, all of them related to increased cost or raw materials and market forces:

- · Reduced income and increased costs of production due to rising electricity prices and their impact in operations.
- Possible increased cost of critical raw materials (as defined by the EU, the USA, Quebec): coking coal and manganese ore.

² Material: Rule 405 under the Securities Act defined the term "material" as follows: "When used to qualify a requirement for the furnishing of information as to any subject, [materiality] limits the information required to those matters to which an average prudent investor ought reasonably to be informed before purchasing the security registered."

Possible increased costs associated with a worldwide rise in the demand for wood, which is a substitution for biocarbon instead of coal as a carbon reductant.

In terms of mitigative capacities, Ferroglobe has developed the Decarbonization Plan (2024 – 2030)³, which is mainly based in substituting the carbon needed in the electrometallurgical process from fossil (coal) to biological sources (bio reductants), improving and maintaining the most efficient process performance, related to energy consumption, through the KTM (Key Technical Metrics) project, and increasing the renewable and low carbon energy mix. These actions are also expected to reduce exposure to carbon pricing risks.

Opportunities: After screening 21 climate-related opportunity categories by the Task Force on Climate-Related Financial Disclosures (TCFD), a total of 4 opportunities were identified to be particularly relevant to Ferroglobe's business.

The opportunities were assessed using the Stated Policies Scenario (STEPS) and the Net Zero Scenario in the short term (2023-2030) and long term (2050) from the International Energy Agency (IEA). After applying the methodology described in point b, as a result, the following 3 opportunities were prioritised:

- Use of lower-emission sources of energy: Reduction in costs due to the deployment of renewable energy sources in operations
- Development of new products, markets and applications through R&D and innovation: Increased revenue associated with development and deployment of lighter products for transport sector (battery technology including use of high purity silicon anodes), facilitating the substitution of steel and other carbon-intensive metals.
- Development and/or expansion of low emission products: Increased revenue associated with the deployment of silicon-based products for energy storage and other transition technologies. In addition, given that Ferroglobe supplies silicon metal to manufacturers of photovoltaic products, increased demand for generation and transmission of energy from solar energy tends to increase demand for Ferroglobe's silicon metal products.
- e. A description of the actual and potential impacts of the principal climate-related risks and opportunities on the business model and strategy of the company

Based on historical data on operations, Ferroglobe has identified that physical risks such as heavy rains, floods, snow, and heat waves are the most recurring. They have impacted mainly production plants and mines, generating a loss of profit derived from ceasing operations and/or increasing costs in repairments and capital expenditures.

These events have encouraged Ferroglobe to develop and implement adaptive and migration measures to better respond to those risks. Therefore, the Company has organically included climate-related issues as an input to its financial planning process through CapEx investments and funds for specific use in climate adaptation and mitigation, prioritising adaptation plans to better adequate sites to previously occurring natural phenomena.

In terms of resilience, the Company's strategies may be confronted with disruptions in financial performance. Such disruptions include reduced revenue due to halted operations or increased costs and expenses related to raw material and carbon prices, as well as changes in financial position due to assets exposed to climate risks. Moreover, as already described, the Company has already conducted a climate change analysis and has established an organisational area responsible for identifying, assessing, and managing climate-related risk and opportunities to inform the Company when an alert would be necessary. Until now, the climate-related impacts have been short-term, and no operational contingency plans have been needed to be employed, the effects of the incidents have not been tracked or analysed by the Company, and Ferroglobe is unable to separately quantify any related costs.

f. An analysis of the resilience of the business model and strategy of the company, taking into account consideration of different climate-related scenarios

To assess the risk level for each climate-related risk, specific scenarios were used depending on whether they were physical or transition-related.

³ Details about the Ferroglobe's Decarbonization Plan are expected to be included in the Global ESG Report for the fiscal year 2023.

For physical climate risks, IPCC scenarios SSP2-4.5 and SSP5-8.5 were followed. These correspond to scenarios integrating socioeconomic (SSP4) and emission concentration pathways (RCP5), to evaluate the behaviour of different climatic variables in the short term (2023-2040), medium term (2041-2060), and long term (2081-2100).

RCPs describe possible concentrations of greenhouse gases in the atmosphere and their impact on radiative forcing. In turn, SSPs have been built to model the evolution of socioeconomic factors based on assumptions about demographic and socioeconomic development, technological evolution, energy and land use, as well as emissions of greenhouse gases and air pollutants.

Specifically, data for each scenario and timeframe was mainly obtained from IPCC and Copernicus, as key scientific public data. Furthermore, additional data from other agencies, such as the Spanish and French ministries for Ecological Transition, the US Environmental Protection Agency, and NASA's Earth Observation Program, World Bank (Think Hazard) were also obtained. These data were used to model exposure of Ferroglobe's assets at their specific locations to climatic variables (temperature, precipitations, among multiple other variables). Following the mentioned methodology (refer to point b), those exposure values were then integrated with the impact and vulnerability to calculate the inherent risk level for each asset.

For transition risks, the IEA World Energy Outlook (2023) Net Zero Emissions by 2050 Scenario and the Stated Policies Scenario (STEPS) were used to model key legislative and economic variables in the short term (2024-2030), and long-term (2050). These scenarios present relevant hypothetical, consistent, and plausible futures of the evolution of greenhouse gas emissions and their main drivers, based on assumptions regarding policy, macroeconomics, and demographic studies. Based on the evolution of those variables in each scenario, potential impact and probability levels were established to conduct a qualitative analysis, following the methodology described in point b.

Under the above described scenarios, once the inherent risk level was calculated for each risk, both physical and transitional, the Company's adaptation and mitigation actions were assessed in terms of availability and coverage to evaluate the possible reduction of the inherent risk level. The level of inherent risk was then attenuated using the resulting adaptive or mitigative capacity of each of the sites to obtain the residual risk level, which in turn would be used to prioritise the risks. As mentioned in a previous section, all Ferroglobe sites contemplate organically developed adaptive measures and in terms of mitigative capacities, Ferroglobe has developed and approved a Decarbonization Plan (2024 – 2030).

g. A description of the targets used by the company to manage climate-related risks and to realise climate-related opportunities and of performance against those targets

Ferroglobe's Decarbonization Plan is expected to be included in the Global ESG Report for the fiscal year 2023. Therefore, some targets related to the different levers of the plan will be included: % of renewable or low carbon energy in operations, % of substitution of coal by bio reductants, specific energy efficiency indicators and energy recovery.

With regard to opportunities, the Technology and Innovation Division has invested in a variety of projects. In 2022, the Company invested \$5.7M towards cutting-edge research and \$7.6 M for process improvement and innovation. Ferroglobe has joined several partnership and cooperation agreements with recognised universities and research centres in Spain, France, and other countries worldwide. Furthermore, our efforts have received support from European, national and regional public research programs. Notably, the European Commission recognised the strategic significance of our Silicon for Batteries Project under the Important Projects of Common European Interest (IPCEI) Program in 2021.

h. The key performance indicators used to assess progress against targets used to manage climate-related risks and realise climate-related opportunities and a description of the calculations on which those key performance indicators are based

The following Key Performance Indicators (KPIs) are expected to be implemented, measured, and tracked in order to assess Company progress in relation to climate-related risks and opportunities.

⁴ Shared Socio-economic Pathways

⁵ Representative Concentration Pathways

Type	Category	KPIs			
Physical climate risks	Chronic	Historical Control Control in the co			
i nysicai chinate i isks	Acute	Historical total financial impacts in the past rolling 3 years ⁶			
	GHG emissions	Scope 1, 2 and 3 emissions (tons CO ₂ e)			
Transition climate	Purchases or sales of carbon credits or offsets	Price in the fiscal year (€/tCO ₂ e)			
	Cost or availability of insurance	Difference between insurer's earned premiums and expenses and claims.			
113K3	Changes in raw material cost	Wood, manganese ore, and coking coal (%)			
	Technology developments	CapEx (M€)			
	Renewable energy	Electricity consumption derived from renewable energy sources (%)			
Climate - related	New products/services	Increased revenue associated with development and deployment of lighter products			
opportunities	New products/services	for the transport sector.			
opportunities	Product deployment towards use in transition	Increased revenue associated with the deployment of silicon-based products for			
	technologies	energy storage and other transition technologies.			

Maintaining a high standard of business conduct

On behalf of the Company, the Board has adopted a number of policies which articulate the Company and the Board's commitment to the highest standards of integrity, ethical behaviour, transparency, safety and corporate citizenship. These include, as their mainstay, the Company's code of conduct which sets out the Company's policies on bribery and corruption, whistleblowing, conflicts of interest and political and charitable contributions, as well as the importance of safeguarding the wellbeing of its employees and protecting its resources. The Code of Conduct is supported by further policies on whistleblowing, data protection and statements on trade compliance, tax and modern slavery. The Board has also adopted a corporate governance policy statement to protect the interests of minority shareholders (on which there is more on "Acting fairly between members" sections that follows).

The Code of Conduct is reviewed regularly and every employee of the Company and all of its Board members are asked to confirm their personal commitment to the Code on joining the Company and to re-confirm it each year thereafter. Employees have the opportunity to report suspected breaches of the Code, for which purpose a secure and confidential hotline has been established, administered by an independent third party. Allegations of breaches of the Code are normally reported to the Audit Committee at each of its scheduled meetings and regular updates on the status of follow-up actions and outcomes given.

⁶ Financial impacts are defined as total economic impact including damages and losses due to a cease in operations.

Acting fairly between members

A significant number of the Company's shares are held by Grupo VM, its major shareholder. The Company has a number of checks and balances in place throughout the Company's governance framework to ensure that the interests of the majority and the minority shareholders are respected and the Board is very cognisant of its duties in this regard. These checks and balances include:

- the Company's shareholders agreement with Grupo VM which regulates Board appointments, including those nominated by Grupo VM, Grupo VM's rights to transfer and pledge its shares, its pre-emption rights and standstill obligations and the confidentiality agreement with Grupo VM which regulates the use, disclosure and security of confidential information shared with Grupo VM or its representatives;
- the Company's Articles of Association which, among other things, require the approval of a majority of independent directors to any agreement or arrangement between the Company and Grupo VM;
- the Board's corporate governance policy first adopted in October 2017 under which the Board commits to maintain a majority of independent directors on the Board. This policy was most recently renewed in November 2021 for a period of 24 months;
- the workings and functions of the Board's key fully independent Audit and majority independent Compensation Committees;
- the Company's related parties' policy which stipulates how and in what way proposed related party transactions are to be submitted for consideration and approval by the Audit Committee of the Board and the Company's register of related party transactions which is submitted to each scheduled meeting of the Audit Committee;
- · the presence of directors on the Board who were nominated by Grupo VM.

The Chief Legal Officer and Group Company Secretary has primary responsibility for advising the Board on its duties and on the Company's governance framework and normally attends all meetings of the Board and its Committees.

The Strategic Report for the financial period ended 31 December 2023 has been reviewed and approved by the Board on 20 May 2024.

Javier Lopez Madrid

Director

Directors' report

The Directors present their report and the audited financial statements of the Group and Company for the year ended 31 December 2023. The Directors do not need to comply with Corporate Governance requirements.

The Directors' Report comprises these pages (24 to 28) and the other sections and pages of the Annual Report cross-referred below which are incorporated by reference.

The financial statements have been prepared under the going concern basis of accounting, with additional details provided in note 3.1 of the financial statements.

As permitted by legislation, certain disclosures normally included in the Directors' Report have instead been integrated into the Strategic Report (pages 9 to 23). These disclosures include information relating to the Group's principal risks and uncertainties.

Directors

The directors of the Company, who held office at any time during the year to 31 December 2023, were as follows:

Javier López Madrid Director and Executive Chairman Director and Chief Executive Officer Rafael Barrilero Yarnoz Non-Executive Director Bruce L. Crockett Non-Executive Director Stuart E. Eizenstat Non-Executive Director Non-Executive Director Manuel Garrido y Ruano Nicolas de Santis Non-Executive Director Marta Amusategui Vergara Non-Executive Director Juan Villar-Mir de Fuentes Non-Executive Director Silvia Villar-Mir de Fuentes Non-Executive Director Belén Villalonga Morenés Non-Executive Director

The biographies of our directors as at the date of this report are set out on pages 29 to 34. Details of the directors standing for election or re-election at our 2024 AGM will be set out in the notice of that meeting.

Directors' indemnities

As required by the Articles, each director is indemnified in connection with his role as a director, to the extent permitted by law. As permitted by the Articles, the Company has purchased and maintained throughout the year under review directors' and officers' liability insurance.

Share repurchases

During 2023 and 2022 the company did not perform any share repurchase.

Dividends

The Company has not declared any dividends during the year under review.

Political donations

During the year under review the Company has not made any political donations, incurred any political expenditure or made any contributions to an EU or non-EU political party.

Employee policies

Ferroglobe has a culture of continuous improvement through investment in people at all levels within the organisation. Its Code of Conduct ("Code"), which applies to all directors and employees of the Group, sets out Ferroglobe's commitment to protecting, respecting and supporting its workforce. The Code was revised in 2017 to bring together Ferroglobe's policies on key ethical, behavioral and compliance matters. Its roll-out across the Group globally was initiated in 2017, supported by mandatory training for all employees. Subsequently and on an annual basis, Group personnel have been requested to re-certify their knowledge of and continued compliance with the Code. The adoption of and training provided on the Code is consistent with our evolution to an organization with an integrated approach to human relations policies across the five continents in which the Group operates.

Those key policies include:

- · Health and safety, where Ferroglobe places high value on the well-being of all personnel and is committed to providing a healthy and safe working environment;
- · Respect in the workplace, promoting equality and diversity, rejecting harassment and bullying and supporting work-life balance;
- · Striving to conduct operations in a way that respects the human rights of personnel, suppliers and others with whom Ferroglobe works, including local communities;
- · Encouraging the reporting of wrongdoing or of any suspicions or concerns as to wrongdoing, any of which can be raised in confidence through the whistleblowing hotline which Ferroglobe has established in all countries in which it operates where it is lawful to do so.

Ferroglobe is committed to providing equal opportunities for all Group personnel and to creating an inclusive workforce by promoting employment equality. This includes pursuing equality and diversity in all its employment activities, including recruitment, training, career development and promotion and ensuring there is no bias or discrimination in the treatment of people. Ferroglobe opposes all forms of unlawful or unfair discrimination on the grounds of race, age, nationality, religion, ethnic or national origin, sexual orientation, gender or gender reassignment, marital status or disability. Wherever possible, vacancies are filled from within Ferroglobe and efforts are made to create opportunities for internal promotion.

Greenhouse gas emissions

The UK Companies Act 2006 (Strategic Report and Directors' Reports) Regulations 2013 requires UK-based quoted companies to report global greenhouse gas ("GHG") emissions data in the Annual Report and Accounts. Comparison year data for 2018, 2019, 2020, 2021, 2022 and 2023 is included in Table 2 in this report. As in the period 2018-2022, the 2023 GHG inventory was prepared in accordance with the Ferroglobe PLC Greenhouse Gas Inventory Management Plan (2017), prepared in consultation with ERM Group, Inc. and its UK affiliate (the "IMP").

The Company has selected the Operational Control approach and criteria as the basis for reporting GHG emissions data, defining "Operational Control" to encompass facilities the Group owns and operates, facilities it leases and operates, and partnerships facilities it operates. All facilities within Ferroglobe's Operational Control that are material to its Group-wide GHG emission inventory are included in reported figures. This approach means that the operations for which emissions are reported are substantially coextensive with operations comprised by Ferroglobe's consolidated financial reporting. The Company does not have responsibility for any emission sources that are not included in its financial reporting.

Table 1 sets forth the Company's consolidated greenhouse gas emissions expressed in metric tonnes of carbon dioxide equivalent (CO2e). The figures reported below include all material direct (Scope 1) and indirect (Scope 2) emission sources for facilities within the Company's Operational Control. Principal sources of Scope 1 emissions from operations at, or Scope 2 emissions imputed to, Ferroglobe-controlled facilities include:

· Electricity purchased or produced by Ferroglobe facilities

- · Fuels purchased for consumption in stationary sources on-site at Ferroglobe facilities (e.g., natural gas, diesel, LPG)
- Fuels purchased for consumption in mobile sources owned and operated by Ferroglobe
- Process emissions associated with electric arc furnaces used for the production of silicon metal and ferroalloys.

Table 1. Company-wide Scope 1 and Scope 2 Emissions for 2023

Global GHG emissions data for period 1 January 2023 to 31 December 2023					
Emissions From: Tonnes of CO ₂ e					
Combustion of fuel and operation of facilities	1,705,504*				
Electricity, heat, steam and cooling purchased for own use	1,617,429				
Company's chosen intensity measurement: Emissions reported above normalized to per tonne of product output	5.10				

^{*}In line with DEFRA Guidance, 1.0 million tonnes of CO2e are not included in the above table, due to being biogenic in nature.

Table 2. Company-wide Scope 1 and Scope 2 Emissions Comparison for 2018-2023

Global GHG emissions data for period 1 January to 31 December 2020-2023								
Emissions From:	2020	2021	2022	2023				
	Tonnes of CO ₂ e							
Combustion of fuel and operation of facilities	1,701,763	2,197,734 ****	2,028,556	1,705,504 ****				
Electricity, heat, steam and cooling purchased for own use	1,282,333	1,228,600	1,184,366	1,617,429				
Energy Consumption (MWh)	5,365,791	6,854,806	6,479,769	5,832,331				
Company's chosen intensity measurement: Emissions reported above normalized to per tonne of product output	4.92	4.42	4.50	5.10				

The emissions and energy consumption correspond to Ferroglobe's plants and mining operations all outside the United Kingdom.

Since 2020 the company has launched a specific project on energy efficiency called the "KTM project", focused on increasing both energy efficiency and raw materials yields in our furnaces and operations. The implementation of the Key Technical Metrics methodology is based on our technical know-how, expertise, comprehensive assessment of processes, operational rigor and continuous improvement, therefore implementing both operational and organizational measures. It includes a detailed on-site performance monitoring plan, especially on the energy specific consumption.

^{*}In line with DEFRA Guidance, 1.5 million tonnes of CO2e are not included in the above table, due to being biogenic in nature.

^{**}In line with DEFRA Guidance, 944,997 tonnes of CO2e are not included in the above table, due to being biogenic in nature.

^{***} In line with DEFRA Guidance, 788,321 tonnes of CO2e are not included in the above table, due to being biogenic in nature.

^{****} In line with DEFRA Guidance, 977,204 tonnes of CO2e are not included in the above table, due to being biogenic in nature.

^{*****} In line with DEFRA Guidance, 924,028 tonnes of CO2e are not included in the above table, due to being biogenic in nature.

^{****} In line with DEFRA Guidance, 1.0 million tonnes of CO2e are not included in the above table, due to being biogenic in nature.

Methodology

In preparing the IMP and this report, the Company has adhered to the World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD) Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard – Revised Edition (2004) (the "GHG Protocol") and the UK DEFRA's Environmental Reporting Guidelines: Including mandatory greenhouse gas emissions reporting guidance (June 2013) ("DEFRA Guidance"). The Company reports material emissions of three out of the six Kyoto GHGs, viz. carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O). A fourth, sulfur hexafluoride (SF6), is present in electrical breakers at some Company facilities, but no emission of SF6 of have been observed. The two remaining Kyoto gases, perfluorocarbons (PFCs) and hydroflurocarbons (HFCs), are not reported since Company facilities do not emit or use materials containing them.

Post year-end events

Full redemption of the Company's remaining 9.375% Senior Secured Notes Due 2025

In February 2024, the Company completed the full redemption of the 9.375% Senior Secured Notes due 2025 at 102.34375% of the principal amount plus accrued interest. The issuers elected to redeem an aggregate principal amount of \$147,624 thousand of the Notes, the entire amount outstanding as of the redemption date, plus accrued and unpaid interest and call premium of \$4,075 thousand. The Notes were fully redeemed from the Company's cash and cash equivalents.

Dividend payment

In March 2024, the Company distributed dividends to its ordinary shareholders totaling \$2,428 thousand.

Future developments

As part of its strategy to serve customers better, the Group develops new products or new specifications on a continuous basis. As a consequence of these efforts, investments have been made in facilities that allow the production of new products, such as higher-grade silicon metal, solar grade silicon metal, electrodes for use in silicon metals furnaces, high-value powders for use in Li-on batteries or new foundry products. Please see Part I, Item 4, Information on the Company of the 2023 Form 20-F by way of example of how the Group has developed proprietary technologies and has pursued innovation in the development of new products.

Research and development

Ferroglobe focuses on developing new products, production processes and continuous improvement to create further value for our stakeholders and to follow global megatrends, including the green energy transition. Ferroglobe has dedicated teams for R&D and continuous improvement, but it also has cooperation agreements in place with various universities and research institutes in Spain, France and other countries around the world.

Please refer to Part I, Item 4, Information on the Company of the 2023 Form 20-F (as set out in the separate attachment to this U.K. Annual Report) for information on Ferroglobe's research and development activities and opportunities.

Overseas branches

The Company has no overseas branches

Share capital structure and change of control provisions

The Company's share capital comprises ordinary shares of \$0.01 each, all of which bear the same rights and obligations. The Company's issued share capital at 31 December 2023 is set out at Note 13 to the Consolidated Financial Statements.

The rights attaching to the Ordinary Shares are set out in the Articles, a copy of which can be obtained from the Company Secretary on request. Each Ordinary Share has one vote attaching to it for voting purposes and all holders of Ordinary Shares are entitled to receive notice of and attend and vote at the Company's general meetings. The Articles vest power in the directors to refuse to register transfers of Ordinary Shares in certain circumstances including where the instrument of transfer is not stamped or is in favor of more than 4 transferees. There are also restrictions in the Articles affecting the terms of tender offers and any scheme of arrangement, consolidation, merger or business combination designed to protect minority shareholders while Grupo VM and its associates hold ten percent or more of the Ordinary Shares.

Significant agreements affected by a takeover

There are no agreements between the Group and any of its employees or any director of the Company that provide for compensation to be paid to the employee or director for termination of employment or for loss of office as a consequence of a takeover of the Company, other than provisions that would apply on any termination of employment.

Statement of disclosure to the Company's U.K. statutory auditor

In accordance with section 418 of the Companies Act, each director at the date of this Directors' Report confirms that:

- · so far as he is aware, there is no relevant audit information of which the Auditor is unaware; and
- he has taken all the steps he ought to have taken as a director to make himself aware of any relevant audit information and to establish that the Auditor is aware of that information.

This confirmation is given and should be interpreted in accordance with the provisions of section 418 of the Companies Act 2006.

By order of the Board on 20 May 2024

Javier Lopez Madrid

Director

The Board of Directors

Details of the members of the Board as at the date of this ARA are below

Javier López Madrid

Javier López Madrid has been Executive Chairman of the Company since December 31, 2016 and was Chairman of our Nominations Committee from January 1, 2018 until May 26, 2023. He was first appointed to the Board on February 5, 2015 and was the Company's Executive Vice-Chairman from December 23, 2015 until December 31, 2016.

He has been Chief Executive Officer of Grupo VM since 2008, is member of the Board of several non-profit organizations. He is the founder and largest shareholder of Financiera Siacapital and founded Tressis, Spain's largest independent private bank. Mr. López Madrid holds a Masters in law and business from ICADE University.

Marco Levi

Marco Levi was appointed Chief Executive Officer of the Company on January 10, 2020, and appointed to its Board of Directors on January 15, 2020. Dr Levi previously served as President and CEO of Alhstrom-Munksjö Oyj, a global fiber materials company listed in Finland, where he led a successful transformation of the business by refocusing its product portfolio towards value-added specialty products. Prior to that, Dr. Levi was Senior Vice President and Business President of the \$3 billion emulsion polymers division of chemicals manufacturer Styron, including during the period in which Styron division was acquired by Bain Capital from Dow Chemical Company. Dr. Levi previously had spent over twenty-two years at Dow in various departments and roles, ultimately serving as general manager of the emulsion polymers business.

Dr Levi is also a Non-Executive Director of Mativ Holdings, Inc, the leading global performance materials company, listed on the New York Stock Exchange. Dr Levi holds a doctorate in industrial chemistry from the Università degli Studi di Milano, Statale, in Italy.

Bruce L. Crockett

Bruce L. Crockett was appointed to our Board of Directors as a Non-Executive Director on December 23, 2015. He has been a member of our Audit Committee from that date and was Chair of the Audit Committee since June 4, 2020 and served on our Compensation Committee from January 1, 2018 until June 23, 2021. Mr. Crockett was appointed on May 13, 2021 as our Senior Independent Director and on June 23, 2021 as Chair of the Corporate Governance Committee until May 26, 2023, on which date he was appointed as a member of the Nominations and Governance Committee.

Mr. Crockett holds a number of other Board and governance roles. He has been Chairman of the Invesco Mutual Funds Group Board of Directors and a member of its Audit, Investment and Governance Committees, serving on the board since 1991, as Chair since 2003 and on the Board of predecessor companies from 1978. Since 2013, he has been a member of the Board of Directors and, since 2014, Chair of the Audit Committee and since 2021 member of the Governance Committee of ALPS Property & Casualty Insurance Company. He has been Chairman of, and a private investor in, Crockett Technologies Associates since 1996. He is a life trustee of the University of Rochester. In 2021, he was appointed as a member of the Board of Advisors of the Western Colorado University Graduate Business School.

Mr. Crockett was a member of the Board of Directors of Globe from April 2014 until the closing of the Business Combination, as well as a member of Globe's Audit Committee. He was formerly President and Chief Executive Officer of COMSAT Corporation from 1992 until 1996 and its President and Chief Operating Officer from 1991 to 1992, holding a number of other operational and financial positions at COMSAT from 1980, including that of Vice President and Chief Financial Officer. He was a member of the Board of Directors of Ace Limited from 1995 until 2012 and of Captaris, Inc. from 2001 until its acquisition in 2008 and its Chairman from 2003 to 2008.

Mr. Crockett holds an A.B. degree from the University of Rochester, B.S. degree from the University of Maryland, an MBA from Columbia University and an Honorary Doctor of Law degree from the University of Maryland.

Stuart E. Eizenstat

Stuart E. Eizenstat was appointed to our Board of Directors as a Non-Executive Director on December 23, 2015. He was a member of the Company's Corporate Governance Committee from January 1, 2018, until May 26, 2023, and served on our Nominations Committee from May 16, 2018, until May 26, 2023, on which date he was appointed as a member of the Compensation Committee.

Mr. Eizenstat has been a Senior Counsel at Covington & Burling LLP in Washington, D.C. and headed its international practice for many years after joining the firm in 2001. He has served as a member of the Advisory Boards of GML Ltd. since 2003 and of the Office of Cherifien de Phosphates since 2010. He was a trustee of BlackRock Funds from 2001 until 2018.

Mr. Eizenstat was a member of Board of Directors of Globe Specialty Metals from 2008 until the closing of the Business Combination and Chair of its Nominating Committee. He was a member of the Board of Directors of Alcatel-Lucent from 2008 to 2016 and of United Parcel Service from 2005 to 2015. He has had an illustrious political and advisory career, including serving as Special Adviser to Secretary of State John Kerry on Holocaust-Era Issues from 2009 to 2017, and Special Representative of the President and Secretary of State on Holocaust Issues during the Clinton administration from 1993 to 2001. He was Deputy Secretary of the United States Department of the Treasury from July 1999 to January 2001, Under Secretary of State for Economic, Business and Agricultural Affairs from 1997 to 1999, Under Secretary of Commerce for International Trade from 1996 to 1997, U.S. Ambassador to the European Union from 1993 to 1996 and Chief Domestic Policy Advisor in the White House to President Carter from 1977 to 1981. He served on the Defense Policy Board in the Obama administration from 2014-2017. He currently serves as Special Adviser on Holocaust Issues to Secretary of State Antony Blinken and as Chairman of the Council of United States Holocaust Memorial Museum, appointed by President Biden. He is the author of "Imperfect Justice: Looted Assets, Slave Labor, and the Unfinished Business of World War II"; "The Future of the Jews: How Global Forces are Impacting the Jewish People, Israel, and its Relationship with the United States", "President Carter: The White House Years", and "The Art of Diplomacy: How American Negotiators Reached Historic Agreements that Changed the World".

Mr. Eizenstat holds a B.A. in Political Science, cum laude and Phi Beta Kappa, from the University of North Carolina at Chapel Hill, a J.D. from Harvard Law School and nine honorary doctorate degrees from colleges and universities, high honors from the United States, French (Legion of Honor), German, Austrian, Belgian, and Israeli governments, and over 75 awards from various organizations.

Manuel Garrido y Ruano

Manuel Garrido y Ruano was appointed to our Board of Directors as a Non-Executive Director on May 30, 2017. He was a member of our Nominating and Corporate Governance Committee from May 30, 2017 until December 31, 2017, and served on our Corporate Governance Committee from December 31, 2017 until May 26, 2023.

Mr. Garrido y Ruano has been Chief Financial Officer of Grupo Villar Mir since 2003 and he is currently member of the Board of its subsidiary in the energy sector, and of its real estate subsidiary. In June 2021 he was appointed non-executive Chairman of Fertial SPA the Algerian fertilizers subsidiary of the Group.

He has been Professor of Corporate Finance of one Graduate Management Program at the Universidad de Navarra, and has also been Professor of Communication and Leadership of the Graduate Management Program at CUNEF in Spain.

Mr. Garrido y Ruano was a member of the steering committee of FerroAtlantica until 2015, having previously served as its Chief Financial Officer from 1996 to 2003. He worked with McKinsey & Company from 1991 to 1996, specializing in restructuring, business development and turnaround and cost efficiency projects globally.

Mr. Garrido y Ruano holds a Masters in Civil Engineering with honors from the Universidad Politécnica de Madrid and an MBA from INSEAD, Fontainebleau, France.

Marta de Amusategui y Vergara

Marta de Amusategui y Vergara was appointed to our Board of Directors as a Non-Executive Director on June 12, 2020. She has been a member of our Audit Committee from that date and a member of the Compensation Committee since June 23, 2021.

Ms. Amusategui has substantial experience in executive and non-executive roles, with a background in business strategy, banking and finance. She is founder and partner of Abrego Capital S.L, providing strategic and financial advisory services, and co-founder of Observatorio Industria 4.0, the professional forum leveraging knowledge and experience to assist businesses, specifically those in the secondary sector, in their digital transformation. She began her career in management consulting and investment banking, serving as Country Executive Officer and General Manager with Bank of America in Spain from 2003 to 2008.

Ms. Amusategui has been a member of the Board of Eland Private Equity, S.G.E.I.C., S.A., a private equity management company specializing in renewable energies, since 2009. Since 2020, she has been a member of the board of directors of Eccocar Sharing S.L. She has also held other Board positions in the past, including that of Telvent GIT S.A. (Nasdaq TLVT), the global IT solutions and business information services provider, where she became an independent director from early 2010 until its de-listing following acquisition in December 2011. She is currently a member of the McKinsey Alumni Council in Spain.

Ms. Amusategui holds an Industrial Engineering degree (MSc equivalent) from Universidad Pontificia de Comillas, Madrid, Spain, and an MBA from INSEAD, Fontainebleau, France. She has held a number of academic appointments, lecturing in Financing at the Three Points Digital Business School, Grupo Planeta, in Barcelona, in Managerial Competencies in CUNEF, in Madrid, and in Risk Management on the Non-Executive Directors Program at ICADE Business School, also in Madrid.

Juan Villar-Mir de Fuentes

Juan Villar-Mir de Fuentes was appointed to our Board of Directors as a Non-Executive Director on December 23, 2015.

Mr. Villar-Mir de Fuentes is currently Chairman of Inmobiliaria Espacio, S.A and Grupo Villar Mir, S.A.U. In both companies he served as Vice Chairman since 1996 and since 1999 respectively. He has served as Chairman and Vice Chairman of Obrascon Huarte Lain, S.A and has been serving as a member of the Board of Directors since 1996, first as a member of the Audit Committee and, later, as a member of the Compensation Committee. He was a Board Director and member of the Compensation Committee of Inmobiliaria Colonial, S.A from June 2014 to May 2017. He also was a member of the Board of Directors and of the Compensation Committee of Abertis Infraestructuras, S.A. between 2013 and 2016.

Mr. Villar-Mir de Fuentes is Patron and member of the Patronage Council of Fundación Nantik Lum and of Fundación Santa María del Camino.

Mr. Villar-Mir holds a Bachelor's Degree in Business Administration and Economics and Business Management from the Universidad Autónoma de Madrid.

Belen Villalonga Morenés

Belen Villalonga Morenés was appointed to our Board of Directors as a Non-Executive Director on May 13, 2021. She has been a member of the Audit Committee from that date and served as a member of the Corporate Governance Committee from June 23, 2021 until May 26, 2023, on which date she was appointed to the Nominations and Governance Committee.

Ms. Villalonga is a Professor of Management and Organizations, a Yamaichi Faculty Fellow, and a Professor of Finance (by courtesy) at New York University's Stern School of Business. Between 2001 and 2012 she was a faculty member at the Harvard Business School. During 2018-2019 she was a Visiting Professor at Oxford University's Said Business School. Her teaching, research, and consulting activities are in the areas of corporate governance, strategy, and finance, with a special focus on family-controlled companies. Her award-winning research has been cited over 18,000 times in scholarly articles and international media outlets

Professor Villalonga is an independent director at Banco Santander International (Santander group's private banking subsidiary in the United States), as well as at Mapfre USA (insurance). She was also an independent director for many years at three global companies publicly listed in Spain: Acciona (renewable energy and infrastructure), Grifols (biopharma), and Talgo (high-speed trains).

Ms. Villalonga holds a Ph.D. in Management and an M.A. in Economics from the University of California at Los Angeles, where she was a Fulbright Scholar. She also holds a Ph.D. in Business Economics from the Complutense University of Madrid.

Silvia Villar-Mir de Fuentes

Silvia Villar-Mir de Fuentes was appointed to our Board of Directors as a Non-Executive Director on May 13, 2021. She served as a member of the Compensation Committee from June 23, 2021 until May 26, 2023. Ms. Villar-Mir de Fuentes currently serves on the board of directors of Grupo Villar Mir, a privately held Spanish group with investments across a broad range of diversified industries, which is the beneficial owner of approximately 40% of the Company's share capital.

Mrs. Villar-Mir de Fuentes is a summa cum laude graduate in Economics and Business Studies, with concentration in finance and accounting, from The American College in London, United Kingdom.

Nicolas De Santis

Nicolas De Santis was appointed to our Board of Directors as a Non-Executive Director on May 13, 2021. He has been a member of the Compensation Committee since June 23, 2021 and served as a member of the Nominations Committee from June 23, 2021 until May 26, 2023, on which date he was appointed as Chair of the Nominations and Governance Committee. Mr. De Santis is a technology entrepreneur, strategist and author with substantial experience in executive and non-executive roles. Mr. De Santis is currently the Chief Executive Officer of De Santis Corporate Vision Strategists Ltd, a strategy and innovation consultancy and incubator. De Santis advises multinational corporations and start-ups on corporate vision & strategy, disruptive innovation, global branding, business model innovation, sustainability and corporate culture transformation.

Previously Mr. De Santis served on the board of publicly traded Lyris Technologies (acquired by AUREA Software in 2015). He began his management career at Landor Associates (now WPP Group). As a technology entrepreneur, he co-founded several high-profile start-ups, including opodo.com, one of Europe's most successful start-ups, reaching \$1.5 billion in gross sales.

Mr. De Santis is a regular lecturer at business schools and universities on business strategy, global branding, business model innovation and culture transformation, including IE Business School, Madrid and the University of Wyoming. He is the author of Megavision® Enterprise Futurising System - A revolutionary method to develop long term strategic vision for corporations.

Rafael Barrilero Yarnoz

Rafael Barrilero Yarnoz was appointed to our Board of Directors as a Non-Executive Director on May 13, 2021. He was appointed Chair of the Compensation Committee and served as a member of the Nominations Committee from June 23, 2021 until May 26, 2023.

Mr. Barrilero Yarnoz is a senior advisor at Mercer Consulting. Mr. Barrilero Yarnoz has developed his career as a partner of the firm and as a member of the executive committee, leading the advisory talent and reward service for the boards of the main companies and multinationals. He has also led the business throughout the EMEA. Previously, he led the Watson Wyatt consulting firm in Madrid. He began his career as a lawyer at Ebro Agricolas focused on labour law, before serving as Ebro's head of human resources. In January 2022 he joined the board of directors of AltamarCAM and Grupo Hedima, as a permanent Senior Advisor. He collaborates with the HAZ foundation, whose mission is to ensure transparency and good corporate governance.

Mr. Barrilero Yarnoz has a law degree from Deusto and a Masters in Financial Economics from ICADE, as well as a masters in human resources by Euroforum-INSEAD.

Directors' responsibilities

The directors are responsible for preparing the Annual Report and the Group and parent Company financial statements in accordance with applicable law and regulations.

Company law requires the directors to prepare Group and parent Company financial statements for each financial year. Under current U.K. law, the directors have elected to prepare the Group financial statements in accordance with UK-adopted international accounting standards and applicable law and they have elected to prepare the parent Company financial statements in accordance with UK accounting standards and applicable law, including FRS 101 Reduced Disclosure Framework.

Under company law the directors must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the Group and parent Company and of the Group's profit or loss for that period. In preparing each of the Group and parent Company financial statements, the directors are required to:

- · select suitable accounting policies and then apply them consistently;
- · make judgements and estimates that are reasonable, relevant and reliable, and, in respect of the parent Company financial statements only, prudent;
- · for the Group financial statements, state whether they have been prepared in accordance with UK-adopted international accounting standards;
- · for the parent Company financial statements, state whether applicable UK accounting standards have been followed, subject to any material departures disclosed and explained in the financial statements;
 - · assess the Group and parent Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern; and
 - · use the going concern basis of accounting unless they either intend to liquidate the Group or the parent Company or to cease operations, or have no realistic alternative but to do so.

The directors are responsible for keeping adequate accounting records that are sufficient to show and explain the parent Company's transactions and disclose with reasonable accuracy at any time the financial position of the parent Company and enable them to ensure that its financial statements comply with the Companies Act 2006. They are responsible for such internal control as they determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error, and have general responsibility for taking such steps as are reasonably open to them to safeguard the assets of the Group and to prevent and detect fraud and other irregularities.

Under applicable law and regulations, the directors are also responsible for preparing a Strategic Report and a Directors' Report that complies with that law and those regulations.

The directors are responsible for the maintenance and integrity of the corporate and financial information included on the Company's website. Legislation in the UK governing the preparation and dissemination of financial statements may differ from legislation in other jurisdictions. The responsibility statement was approved by the Board and signed on its behalf.

By order of the Board on 20 May 2024

Javier Lopez Madrid

Directors' Remuneration Report Introduction

Dear Shareholder

As Chairman of the Compensation Committee (the Committee), and on behalf of the Board, I present the Directors' Remuneration Report for the period ended 31 December 2023. It has been prepared in accordance with Schedule 8 of The Large and Medium-sized Companies and Groups (Accounts and Reports) Regulations 2008, as amended.

This includes the following three sections:

- · This Annual Statement which summarises the work of the Committee during the year;
- · The Annual Report on Remuneration (the ARR) which provides details of the remuneration earned by directors for the period ended 31 December 2023; and
- · The Directors' Remuneration Policy approved at the 2022 AGM.

This report sets out both the Company's annual report on remuneration (the ARR) for 2022 and the directors' remuneration policy (the 2022 Policy or the Policy), which was put to shareholders at the 2022 AGM on 30 June 2022 and approved by over 90% of the shareholders who voted on it. Thank you for your support. The 2022 Policy is included on pages 37 to 49 for your information and ease of reference.

The Companies Act 2006 requires the auditors to report to the shareholders on certain parts of the Directors' Remuneration Report and to state whether, in their opinion, those parts of the report have been properly prepared in accordance with the Accounting Regulations. The parts of the annual report on remuneration that are subject to audit are indicated in that report. The statement by the chair of the Compensation Committee and the policy report are not subject to audit.

The Policy

Under English law, a directors' remuneration policy requires shareholder approval not less than once in every three years. The Committee last concluded its review of the policy in 2022 and determined that the then current remuneration framework achieved an appropriate balance of performance and reward, and 2022 Policy was duly approved at the 2022 AGM.

Shareholder Engagement in 2023

During 2022, the Company consulted extensively with a large number of shareholders and other stakeholders. During the year we held over 100 meetings with shareholders and other stakeholders including labor unions representing our employees. In addition, we engaged with proxy advisors.

Short term incentive awards for 2023

The annual short term incentive objectives for the Executive Chairman and CEO in 2023 were EBITDA in relation to 50% of the award, net cash flow in relation to 50%. The Executive Directors achieved performance of (75.64%) of their target bonus opportunities. We believe these outcomes are justified by the exceptional performance of the Company during a year that experienced deterioration in market conditions for the Company's products. Management took exceptional measures to promptly react to such market deterioration and preserve the Company's financial condition and results of operations. Moreover, in 2023 the Board took some exceptional decisions that impacted net cash flow, one of the key financial performance indicators that had been set for the 2023 short term incentives. During 2023 the Company repaid \$232 million of its long-term debt, an exceptional accomplishment. For purposes of evaluating the 2023 short-term incentive performance conditions, net cash flow was adjusted by \$90 million to reflect excess debt repayment over the amount that had been previously budgeted, as well as by \$154 million related to the French energy rebate that was recognized in 2023 with cash received in January 2024. See the ARR for more on the 2023 short term incentive outturn.

LTIPs vesting in 2023

No awards under the EIP vested during the year ended 31 December 2023.

Awards granted to our Executive Directors in 2021 under the EIP came to the end of their performance period on 31 December 2021 and vested in 1 January 2024. The Committee assessed their performance at 100% of target, and the awards vested and became exercisable. As of December 31, 2023, the awards to our Executive Chairman and our CEO have not been exercised.

Non-Executive Directors and their remuneration

No changes to NED fees were proposed during 2023. In 2022, the Corporate Governance Committee reviewed the structure of NED fees and decided to propose an additional payment for extraordinary meetings in the amount of £2,500 for in-person meetings and £1,250 for meetings held by video conference or telephonically. Such changes were approved by the Board. Other than these two changes, they chose not to recommend any other adjustment to the level or principles underlying NED fees, which otherwise remain unchanged in quantum since 2016.

Looking forward to 2024

We care deeply about our workforce and our role in and our local and global communities. Throughout the year the Committee has carefully considered the wider economic climate and fairness of our remuneration policies. In order to promote the Company's safety environment and broader ESG goals, we instituted an ESG-related performance measure to the long term incentive plan grant for the first time in 2022 with a safety measure, and in 2023 we employed an ESG performance indicator tied to execution of the broader ESG strategy. For the 2024 grant under the EIP, which is expected to be approved in the coming months, we will again include an ESG-related performance indicator.

The Committee faces certain fundamental tensions in making remuneration determinations. In particular, we acknowledge that the Company's practice is at times not fully aligned with market standards in the United Kingdom, where we are incorporated. As a company incorporated in the UK, with significant operations in both Europe and the United States, as well as listing on the Nasdaq stock market in the US, we must remain competitive in order to retain top talent to deliver the best results for our shareholders. As such, at times we design our remuneration features more in line with the US market, which tends to pay more than in the United Kingdom. Moreover, we note that the Policy tends to provide limits significantly in excess of grants actually made. For example, while the Policy provides that short term incentive awards cannot be more than 500% of salary, the Committee has consistently applied a maximum limit of 150% to awards to our Executive Directors in recent years.

In 2024, the Committee and the Board approved an increase in the base salary of the Executive Chairman, Javier Lopez Madrid, in the amount of £18,000 (3%) annually, and an increase in the base salary of the CEO, Marco Levi, in the amount of £25,000 (3%) annually effective as of 1 April 2024. In both cases, the increases were in line with increases for the general workforce and consistent with market practice for the Company's industry.

During 2023, the Company continued to increase engagement with shareholders with increased participation in investor conferences and many more meetings with investors than in prior years. This year, shareholders will continue to have an advisory vote on the Directors' Remuneration Report. I hope we will again receive your support for the resolutions relating to remuneration at the 2024 AGM.

Signed on behalf of the Board. Chairman of the Compensation Committee 20 May 2024

The Policy

This section of the Directors' Remuneration Report on pages 37 to 49 sets out the Directors' Remuneration Policy which was put forward for shareholder approval at the 2022 AGM on 30 June 2022. The approved Policy can be found in the Company's U.K. Annual Report and Accounts for the period ended 31 December 2021 and on the Company's website. The Policy is set out below for information only.

Aim of the Policy

The overall aim of the Policy is to provide appropriate incentives that reflect the Company's high-performance culture and values to maximize returns for shareholders.

In summary, our aim as regards Executive Directors is to provide remuneration which:

- · attracts, retains and motivates high caliber, high performing employees;
- · encourages strong performance and engagement, both in the short and the long term, to enable the Company to achieve its strategic objectives;
- · link a very significant proportion of pay to performance conditions measured over the short term and longer term;
- · set fixed pay levels at or around market norms to allow for a greater proportion of total remuneration opportunity to be in variable pay; and
- · create strong alignment between the interests of shareholders and executives through both the use of equity in variable incentive plans and the setting of shareholding guidelines for Executive Directors.

There are no material differences in the Policy for Executive Directors compared to that of senior management other than in terms of quantum and levels of participation in incentive plans reflecting the higher weighting to variable pay and ability to influence performance outcomes. For the wider employee population, the Company aims to provide remuneration structures and levels that reflect market norms for the location at which they are based.

Operation of the Policy

Throughout the Policy, reference is made to the authority, powers and discretions vested in the Committee. It is the Committee's practice that, in relation to any significant decision in relation to the compensation of the Company's Executive Directors or the second tier of executive management below them, the Committee makes recommendations to the Board which determines the final decision of the Company on such matters

Components of remuneration for Executive Directors

	Purpose and link to strategy	Operation and maximum opportunity	Performance framework and recovery		
Element Salary	A fixed salary commensurate with the individual's role, responsibilities and experience, having regard to broader market rates.	Reviewed annually, taking account of Group performance, individual performance, changes in responsibility, levels of increase for the broader employee population and market salary levels.	Not applicable.		
Pension and retirement benefits	Attraction and retention of top talent; providing mechanism for the accumulation of retirement benefits.	Executive Directors may be paid a cash allowance in lieu of pension.	Not applicable.		
	or retreatment ocions.	The maximum cash allowance is 20% of base salary. This includes contributions to the U.S. tax-qualified defined contribution $401(k)$ plan.			
Benefits	Attraction and retention of top talent.	Benefits may include but are not limited to medical cover, life assurance and income protection insurance.	Not applicable.		
		Relocation allowances may take into account a housing allowance, school fees, adviser fees for assistance with tax affairs and an expatriate allowance to cover additional expenditure incurred as a result of the relocation. Payment of such relocation allowances will be reviewed by the Committee on an annual basis			
		Benefits may include tax equalization provisions applicable if an Executive moves between jurisdictions with differing tax regimes at the Company's request. If the Executive moves to an area of higher taxation, the Company may agree to make an annual or other regular payment in cash to compensate him or her for any additional tax burden. Where the Executive moves to a jurisdiction where his or her effective tax burden is lower than that to which he or she was subject prior to such move, the Executive's compensation may be commensurately reduced to ensure that his or her net pay remains unaffected.			
		38			

Purpose	and	link
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objectives.

reward achievement of annual performance

Operation and maximum opportunity

Performance framework and recovery

Benefits will be provided as the Committee deems necessary including to take into account perquisites or benefits received from a prior employer or as is customary in the country in which an executive resides or is relocated from.

Benefits provided by the Company are subject to market rates and therefore there is no prescribed monetary maximum. The Company and the Committee keep the cost of the benefits under review.

The Company provides all Executive Directors with directors' and officers' liability insurance and will provide an indemnity to the fullest extent permitted by the Companies Act

an indemnity to the fullest extent per Companies Act.

Short-term performance-based incentive to The annual bonus plan and all payments and

The annual bonus plan and all payments and awards under it are at the discretion of the Committee. Subject as aforesaid, the Committee will determine an Executive Director's actual bonus amount, subject to the achievement of quantitative and qualitative performance criteria.

At least two-thirds of the bonus will be based on financial metrics with any balance based on non-financial metrics.

The maximum annual bonus opportunity that may be awarded to an Executive Director is normally 200% of salary. If the Committee provides higher annual bonus opportunities in any year its rationale will be clearly explained in the Annual Report on Remuneration for the relevant year. In these and other exceptional circumstances the limit will be 500% of salary.

No more than 25% of the maximum annual bonus payable for each performance condition will be payable for threshold performance.

The Committee will select the most appropriate performance measures for the annual bonus for each performance period and will set appropriately demanding targets.

Normally any bonus earned in excess of the target amount will be deferred for three years into shares in the Company. An Executive Director may be granted an additional long-term incentive award as described below of equal value (at maximum) to the amount of annual bonus deferred.

Recovery and recoupment will apply to all bonus awards for misstatement, error or gross misconduct.

Annual and other bonuses

Purpose and link to strategy

Focus Executive Directors' efforts on

sustainable strong long-term performance

of the Company as a whole, and to aid in

retention with multi-year vesting provision.

Improves alignment of Executive Directors' interests with those of the

Company and shareholders.

Operation and maximum opportunity

Performance framework and recovery

In addition or in place of an annual bonus, the Company may pay a retention bonus where it considers it necessary to retain key Executives in situations where the relevant Executive would otherwise leave the Company and his or her retention is critical to the Company's performance and/or the achievement of strategic goals or key projects. The grant, terms and payment of any retention bonus are at the discretion of the Committee.

A retention bonus may be payable in cash or in shares and subject to such conditions as the Committee sees fit, including the Executive remaining with the Company for a defined period of time and/or meeting set performance criteria. The Committee would normally count any retention bonus awarded towards the 500% of salary limit.

Executive Directors are eligible for awards to be granted as decided by the Committee under the Company's long-term incentive plan. All awards are subject to performance targets as determined by the Committee for each grant, performance against which is normally measured over a three-year period. Awards usually vest three years from the date of their grant.

The annual target award limit will not normally be higher than 300% of salary (based on the face value of shares at

Maximum vesting is normally 200% of target (based on the face value of shares at date of grant).

There is an exceptional annual target award limit in recruitment, appointment and retention situations of 500% of salary.

The Committee will select the most appropriate performance measures for long-term incentive awards for each performance period and will set appropriately demanding targets.

Recovery and recoupment will apply to all long-term incentive awards for misstatement, error or gross misconduct.

Purpose and link to strategy

Operation and maximum opportunity

Performance framework and recovery

Share ownership guidelines

Increases alignment between the Executive Directors and shareholders.

Executive Directors are strongly encouraged to hold a percentage of their salary in shares. This holding guideline could be achieved through the retention of shares on vesting/exercise of share awards and may also (but is not required to) be through the direct purchase of shares by the Executive Directors.

Not applicable.

Performance Criteria and Discretions

Selection of Criteria

The Committee annually assesses at the beginning of the relevant performance period which corporate performance measures, or combination and weighting of performance measures, are most appropriate for both annual bonus and long-term incentive awards to reflect the Company's strategic initiatives for the performance period. The Committee has the discretion to change the performance measures for awards granted in future years based upon the strategic plans of the Company. The Committee sets demanding targets for variable pay in the context of the Company's trading environment and strategic objectives and taking into account the Company's internal financial planning and market forecasts. Any non-financial goals will be well defined and measurable.

Discretions retained by the Committee in operating its incentive plans

The Committee operates the Group's various plans according to their respective rules. In administering these plans, the Committee may apply certain operational discretions. These include the following:

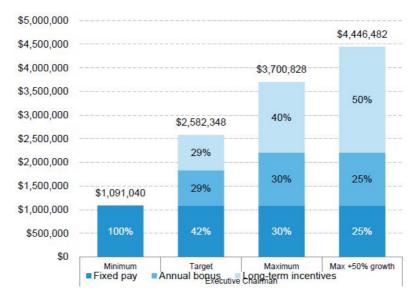
- determine the extent of vesting based on the assessment of performance, including exercising its discretion to reduce payout as and where appropriate;
- · determine "good leaver" status (as described below) and where relevant extent of vesting;
- · where relevant determine the extent of vesting in the case of share-based plans in the event of a change of control in accordance with the rules of the various plans; and
- · make the appropriate adjustments required in certain circumstances (e.g. rights issues, corporate restructuring events, variation of capital and special dividends).

The Committee, acting fairly and reasonably, and after consulting plan participants, may adjust the targets and/or set different measures and alter weightings for the variable pay awards already granted (in a way that the alterations are intended to create an equivalent outcome for plan participants) only if (i) an unexpected event (whether a corporate or outside event) occurs which causes the Committee to reasonably consider that the performance conditions would not achieve their original purpose without alteration and (ii) the varied conditions are materially no more or less difficult to satisfy than the original conditions. Any changes and the rationale for those changes will be set out clearly in the Annual Report on Remuneration in respect of the year in which they are made.

Remuneration scenarios for the Executive Directors

The charts below show the level of remuneration potentially payable to each of Javier López Madrid as Executive Chairman and Marco Levi as CEO under different performance scenarios for the 2024 financial year.

In respect of the remuneration of the Executive Chairman:



In respect of the remuneration of the CEO:



Assumptions

- 1. Fixed pay comprises base salary for 2023, benefits and a pension contribution of 20% of base salary for each of Javier Lopez Madrid and Marco Levi. Benefits comprise private health, income protection and life insurance arrangements at an estimated level of 6.3% of base salary for Javier Lopez Madrid and 4.7% of base salary for Marco Levi salary and an expatriate allowance of 20% of base salary in the case of Javier López Madrid.
- 2. On-target performance comprises fixed pay plus annual bonus of 100% of base salary, and long-term incentives of 133% of base salary, for the Executive Chairman and the CEO.
- 3. Maximum performance comprises fixed pay plus annual bonus of 150% of base salary, and long-term incentives of 200% of base salary, for the Executive Chairman and the CEO.
- 4. Maximum performance plus share price growth comprises the maximum performance scenario described above plus an assumed 50% share price growth over the performance period of the LTIP.
- 5. As described in the Policy, an additional long-term incentive award may be granted if part of the annual bonus is deferred, with the maximum value of such award equal to the amount of bonus deferred. As at 31 December 2023 no such awards have been made to the Executive Directors and none is to be made in respect of 2023.

Approach to Recruitment Remuneration

The Committee expects any new Executive Directors to be engaged on terms that are consistent with the Policy as set out above.

The Committee recognizes that it cannot always predict accurately the circumstances in which any new directors may be recruited. The Committee may determine that it is in the interests of the Company and shareholders to secure the services of a particular individual which may require the Committee to take account of the terms of that individual's existing employment and/or their personal circumstances. Examples of circumstances in which the Committee expects it might need to do this are:

- where an existing employee is promoted to the Board, in which case the Company will honour all existing contractual commitments including any outstanding annual bonus or long-term incentive awards or pension entitlements and will provide other benefits consistent with those provided to senior leaders in that employee's home country or place of residence prior to appointment to the Board;
- where an individual is relocating in order to take up the role, in which case the Company may provide certain one-off benefits in addition to benefits set out in the policy table such as reasonable relocation expenses, assistance with visa applications or other immigration issues and ongoing arrangements such as flights home and cost of education; and
- where an individual would be forfeiting fixed or valuable variable remuneration in order to join the Company, in which case the Committee may award appropriate additional compensation in addition to the limit set out in the policy table. The Committee would look to replicate the arrangements being forfeited as closely as possibly taking into account the nature of the remuneration, performance conditions, attributed expected value and the time over which any variable pay would have vested or been paid.

In making any decision on any aspect of the remuneration package for a new recruit, the Committee would balance shareholder expectations, current best practice and the requirements of any new recruit and would strive not to pay more than is necessary to achieve the recruitment. The Committee would give full details of the terms of the package of any new recruit in the next remuneration report. Award levels under the Company's variable incentive plans would not exceed those set out in the policy table, but their proportions can be altered for the first three years of employment.

Executive Directors' Service Contracts and Policy on Cessation

In order to motivate and retain the Executive Directors and other senior executives, most of whose backgrounds are in the United States and Europe, the Committee has taken account of market practices in those countries in formulating the Policy, including (a) determining the treatment of annual and retention bonuses and long-term incentive awards in case of termination of their employment by the Company without cause, (b) referencing past annual bonuses in calculating the amount of payment in lieu of notice, (c) determining the extent of vesting of long-term incentive awards in the event of a takeover or change of control and (d) determining that all long-term incentive awards granted to an executive in any financial year will be subject to achievement of performance targets.

Service contracts

Subject to the Approach to Recruitment Remuneration above, Executive Directors have rolling service contracts for an indefinite term but a fixed period of notice of termination which would normally be 12 months. With respect to newly appointed directors, the Committee may, if it considers it necessary, agree a notice period in excess of 12 months (but not exceeding 24 months), provided it reduces to 12 months within a specified transition period of not exceeding 36 months. The service contract for Javier López Madrid is in accordance with this policy and his fixed period of notice of termination is 12 months. See below for more on Marco Levi's service contract

The Executive Chairman's service contract may be terminated for cause without notice and without further payment or compensation, except for sums accrued to the date of termination. In other circumstances, the Company may terminate his employment with immediate effect and make a payment in lieu of notice in the amount equivalent to the aggregate of (i) base salary, (ii) the average of annual bonuses in the last three years prior to termination, (iii) pension allowance plus (iv) cost of benefits, for the notice period (or if a notice has been served, for the unserved notice period). He would be entitled to an equivalent payment in the event of his resignation for good reason (as defined in the service contract). Similar provisions may apply in the event that he leaves following a change of control of the Company, but no additional entitlements would be expected to be set out in the Executive Director's service contract beyond those described above. An Executive Director may also be entitled to certain amounts with respect to annual or retention bonuses and long-term incentive awards, as described below.

Marco Levi is employed under a service contract made under Spanish law (and in particular, the provisions of the Royal Decree 1382/1985 1st of August regarding senior management ("Alta Dirección")). Spanish employment law imposes a number of mandatory requirements, including in relation to termination. The CEO's service contract may be terminated for cause (as defined in the service contract by reference to Spanish statutory law) without notice and without further payment or compensation, except for sums accrued to the date of termination. If the dismissal is declared null or unfair by a definitive court or labour tribunal ruling, the CEO is entitled to receive a severance payment equal to six months' salary plus a payment equal to the Company's costs in such six month period corresponding to the insurance and pension benefits in force at the time of termination. This severance compensation includes and absorbs the compensation and any statutory notice to which the Executive may otherwise be entitled by operation of law. In the event that the CEO is dismissed without cause, the CEO will similarly be entitled to receive a severance payment equal to six months' salary plus an amount equal to the costs the Company would have incurred in providing pension, health insurance, income protection and life assurance benefits for the period of notice, in lieu of any statutory notice to which the CEO would otherwise be entitled. In addition, in accordance with Spanish law and as contemplated in the section *Generally* below, the CEO has enhanced post termination restrictive covenants. Under these provisions, the Company may be required to make an additional payment to ensure the enforceability of certain post-employment restrictions on competition for a period of six months from termination on terms which are customary in senior management employment relationships. The amount payable is 30% of the CEO's salary at the date of termination and is deemed discharged at the rate of 15% of salary per annum throughout the employ

Where an Executive Director's service contract is terminated for "without cause" or for "good reason" as defined in the relevant director's service contract, the provisions outlined below in relation to annual bonus awards and long-term incentive awards as described below will apply. Executive Directors' service contracts (or a memorandum of the terms where the contract is unwritten) are available for inspection at the Group's office at 13 Chesterfield Street, London, W1J 5JN during normal business hours and at the Annual General Meeting.

Generally

As circumstances may require, the Committee may approve compensation payments in consideration of statutory entitlements, for a release of claims, enhanced post-termination restrictive covenants (for example, as outlined above) or transitional assistance, such as outplacement services and payment of legal fees in connection with termination, the costs of short term accommodation or leasing arrangements, home relocation expenses including tax related expenses and other ancillary payments thereto.

Annual bonus awards (including retention awards)

In the event that an Executive Director's employment is terminated without cause, by resignation by the Executive Director for good reason, or by reason of death, injury, disability or his employing company or the business for which he works being sold out of the Group, the Company will pay an annual bonus amount in respect of the financial year in which termination occurs subject to performance conditions being met at the end of the period and with pro-rating of the award determined on the basis of the period of time served in employment during the normal vesting period but with the Committee retaining the discretion in exceptional circumstances to increase the level of vesting within the maximum annual bonus amount as determined by the performance conditions. The Committee may, if it considers it appropriate in exceptional circumstances, measure performance to the date of cessation. In other circumstances, payment will be at the Committee's discretion. The Committee will consider the period of the year worked and the performance of the Executive Director during that period when considering how to exercise its discretion.

The terms of any retention bonus agreed to be paid to an Executive Director may provide for such bonus to be payable on that Executive Director's employment being terminated without cause, by resignation by the Executive Director for good reason, or by reason of death, injury, disability or his employing company or the business for which he works being sold out of the Group. In any such case, the retention bonus will become payable in such circumstances.

Long-term incentive awards

As a general rule, any unvested long-term incentive award (except deferred bonus awards see below) will lapse upon an Executive Director ceasing to be an employee or director in the case of voluntary resignation or dismissal for cause. However, if the cessation is without cause, by resignation by the Executive Director for good reason, or because of his death, injury, disability or his employing company or the business for which he works being sold out of the Group or in other circumstances at the discretion of the Committee, and generally for any award granted in 2022 and beyond, then the award will normally vest in the period of time served in employment during the normal vesting period of the award. The Committee can, for any cessation, measure performance up to the date of cessation and permit awards to vest early in respect of which the same pro-ration principles noted above remain applicable. For awards granted in 2022 and beyond, good leaver treatment in relation to cessation without cause and/or by resignation of an Executive Director for good reason will be at the discretion of the Committee.

Deferred bonus awards vest in full upon cessation, other than in case of voluntary resignation by an Executive Director without good reason or dismissal for cause. Vested but unexercised awards held on cessation will remain capable of exercise for a limited period save in the case of dismissal for cause.

In the event of a takeover all awards will vest early to the extent that the performance conditions are determined as satisfied at that time on such basis as the Committee considers appropriate. In respect of awards granted in 2022 and beyond, in the event of a takeover awards may also be pro-rated at the discretion of the Committee.

External appointments

Executive Directors may retain fees paid for external director appointments. These appointments are subject to disclosure to and approval by the Board and must be compatible with their duties as Executive Directors.

Matters taken into consideration in determining policy and differences in the remuneration policy of the Executive Directors and employees

It is not the Committee's practice to consult with employees on matters relating to executive pay. However, the Committee will consider pay structures, practices and principles across the Group on a regular basis and take these into account in any review of the Executive Directors' current Policy or implementation thereof.

The Committee will consider feedback from shareholders and take into account the results of both advisory and binding votes concerning executive pay at the Annual General Meeting as well as ensuring it engages with shareholders on executive pay matters. The 2022 Policy has been formulated taking into account the Company's understanding of current shareholder views on the Company's remuneration policy and practices.

Directors' Remuneration Policy for Non-Executive Directors

The following table summarizes the 2022 Policy as applied to Non-Executive Director remuneration $\frac{1}{2}$

	Purpose and link to strategy	Operation and maximum opportunity	Performance framework and recovery
Element Non-Executive Directors fees including any Non-Executive Chairman	To appropriately remunerate the Non-Executive Directors	The Non-Executive Directors are paid a basic fee. Supplemental fees may be paid for additional responsibilities and activities, such as for the committee chairmen and other members of the main Board committees (e.g. audit, compensation, nominations and corporate governance) and the Senior Independent Director, to reflect the additional responsibilities as well as travel fees to reflect additional time incurred in travelling to meetings. These fee levels are reviewed periodically, with reference to time commitment, knowledge, experience and responsibilities of the role as well as market levels in comparable companies both in terms of size and sector. The Company does not currently have a Non-Executive Chairman. If one were appointed his or her fee would be set at a level with reference to time commitment, knowledge, experience and responsibilities of the role as well as market levels in comparable companies both in terms of size and sector. There is no maximum fee level or prescribed annual increase.	Not applicable
	4	7	

Purpose and link to strategy

Operation and maximum opportunity

Performance framework and recovery

Element
Payment of expenses and benefits

To support the Non-Executive Directors in the fulfilment of their duties

Reasonable expenses incurred by the Non-Executive Directors in carrying out their duties may be reimbursed by the Company including any personal tax payable by the Non-Executive Directors as a result of reimbursement of those expenses. The Company may also pay an allowance in lieu of expenses and may arrange and pay for the provision of advice or assistance in relation to personal taxes for which the Non-Executive Director may be liable in connection with his or her appointment to the Board, if it deems this appropriate.

The Company provides Non-Executive Directors with directors' and officers' liability insurance and an indemnity to the fullest extent permitted by the Companies Act.

Not applicable

Legacy Arrangements with Certain Non-Executive Directors

Prior to the Business Combination, in keeping with many other NASDAQ listed companies, Globe granted restricted stock units and share appreciation rights to its Non-Executive directors. Outstanding awards as at 31 December 2023 held by the Non-Executive Directors, who were previously Globe's Non-Executive directors, are set out in the ARR.

It is noted that those Non-Executive Directors with restricted stock units and share appreciation rights may be regarded as not being independent by U.K. based proxy voting agencies although the Board considers them to be fully independent. It is a provision of this Policy that the Company may accelerate the vesting of or repurchase of these awards based on an independent valuation, if it deems it to be appropriate.

Letters of Appointment with Non-Executive Directors

The Company does not enter into service contracts with its Non-Executive Directors, rather the Company enters into letters of appointment for a rolling period of 12 months with each annual renewal being subject to re-election at each annual general meeting of the Company. No compensation for loss of office is payable in the event a Non-Executive Director is not re-elected. The Company may request that Non-Executive Directors resign with immediate effect in certain circumstances (including material breach of their obligations) in which case their appointment would terminate without compensation to the Non-Executive Director for such termination but with accrued fees and expenses payable up to the date of termination.

Appointment of Non-Executive Directors

For the appointment of a Non-Executive Chairman or other Non-Executive Directors, the fee arrangement would be in accordance with the approved Directors' Remuneration Policy in place at that time.

Minor amendments

The Committee may make minor changes to the Policy, which do not have a material advantage or disadvantage overall to directors, to aid in its operation or implementation (including to take account of any change in legislative or regulatory requirements applicable to the Company) without seeking shareholder approval for a revised version of the Policy.

Annual Report on Remuneration

Implementation of the Directors' Remuneration Policy for the year ending 31 December 2023

This section sets out how the Committee intends to implement the Policy for the year ending 31 December 2023.

Base salary

Javier López Madrid was appointed as Executive Chairman with effect from 31 December 2016. Javier López Madrid's salary was reviewed in 2024 and was increased from £599,400 (\$745,902) to £617,400 (\$768,046) per annum effective 1st April 2024.

Marco Levi's base salary as CEO was reviewed in 2024 and was increased from EUR816,000 (\$882,341) per annum to EUR841,000 (\$909,978) per annum effective April 1, 2024.

Neither Javier Lopez Madrid nor Marco Levi received any additional fees or compensation for their respective roles on the Board. See "Looking forward to 2024" in the Compensation Committee Chairman's letter above for more information.

Pension and benefits

In accordance with the Policy, both Executive Directors receive a pension contribution at the rate of 20% of base salary, payable as a cash allowance. In addition, they receive health insurance, income protection and life assurance benefits to the value of approximately 6.3% of salary for the Executive Chairman and 4.7% for the CEO.

The Company provides directors' and officers' liability insurance and an indemnity to the fullest extent permitted by the Companies Act.

Variable Remuneration

Short Term Incentives

The objectives for the 2024 annual short-term incentives were determined by the Compensation Committee and the Board on 22 February 2024. For each of the Executive Directors, target is at 100% of base salary, with a maximum opportunity of 150% of base salary. As in past years and consistent with the Committee's approach to incentive awards, the maximum opportunity has been set significantly below limits in the Policy. The performance indicators for the Executive Directors are 2024 adjusted EBITDA, accounting for 50% weighting, and 2024 adjusted free cash flow, accounting for 50% weighting.

Long-term incentives

The 2024 long-term incentive grant has not yet been approved by the Compensation Committee and the Board, which are expected to do so in the coming weeks or months. The awards are expected to be structured as performance share awards with awards vesting three years from grant subject to continued service and the achievement of performance conditions. The award levels are expected to be 100% of base salary as target and 200% of base salary as maximum in the case of the Executive Directors. Performance conditions are expected to comprise long-term key financial indicators and relative total shareholder return relative to a comparator group. All performance conditions are expected to be measured over the January 1, 2024 to December 31, 2026 period. In addition, the grants are expected to be subject to a multiplier, which multiplier can both reduce or increase the total amount of payouts.

Like in 2022 and 2023, the relative TSR performance condition is expected to be based on a bespoke comparator group comprising Outokumpu, Imerys, Eramet, Jacquet Metals, Evonik Industries, Wacker, Thyssenkrupp, SGL Carbon SE, Amg Advanced Metallurgical Group, Elkem, Acerinox, Materion Corp., Minerals Technologies Inc., Schnitzer Steel Industries, Kaiser Aluminum, Ati Inc., Steel Dynamics Inc., Timkensteel, Century Aluminum Co. and Cleveland-Cliffs.

The inclusion of earnings and cash flow measures in both the short term incentive and long term incentive grants for 2024 is designed by the Compensation Committee and the Board to ensure strong support of the Board's strategy for the Company. The short-term incentive measures will continue to provide focus on in-year delivery, while the long term incentive measures will focus on cumulative and sustained performance over a three-year period. In all cases, measures are stretch targets based on the consensus view as it was determined in early 2024.

Non-Executive Director share ownership guidelines

In 2018, the Non-Executive Directors reviewed the guidelines under which they had voluntarily agreed to apply on a cumulative basis at least a quarter of their normal annual gross fees to acquire shares under arrangements designed to ensure that shares can be purchased on a regular basis over a period of eight years and agreed several points of clarification, including that:

- Where more or fewer shares are acquired in any year, the value of shares to be acquired in subsequent years may be reduced or increased respectively such that on a cumulative basis the 25% test is satisfied;
- Each Non-Executive Director agrees to retain his or her shares until the earlier of achieving a holding equal to twice his or her annual base fees being achieved or that director leaving the Board;
- · Where a director holds outstanding and exercisable share-based or phantom restricted stock awards, the shares or notional shares under award are to be taken into account in determining the relevant director's holding and may be exercised and disposed of at any time (with consequent effect on the director's holding).

Fees for the Non-Executive Directors

Fees are set and payable in Pounds sterling. The fees for 2024 are the same as those for 2023, with the exception of the new Nominations and Governance Committee. On 26 May 2023, Board of Directors canceled both the Nominations Committee and the Corporate Governance Committee, replacing them with a new combined Nominations and Governance Committee and populating the new committee exclusively with independent Directors. Compensation to Non-Executive Directors for service on such committee was set in line with fees for the Compensation Committee.

Non-Executive Director base fee Senior Independent Director Member of Audit Committee Member of Compensation Committee Member of Nominations and Governance Committee Member of Corporate Governance Committee	£70,000 (\$86,583) £35,000 (\$43,291) £17,500 (\$21,645) £15,500 (\$19,172) £15,500 (\$19,172) £12,000 (\$14,843)
Member of Nominations Committee ¹ Committee Chairperson	£1,500 (\$1,855 per meeting, subject to an annual cap of £10,000 (\$12,369)) Two times committee membership fee
Extraordinary meetings (per meeting) In person meetings Meetings by videoconference/telephone	£2,500 (\$3,092) £1,250 (\$1,546)
Travel fee (per meeting) Intercontinental travel Continental travel	£3,500 (\$4,329) £1,500 (\$1,855)

Notes:

1. No fees were payable to the Chair of the Nominations Committee while the individual in that role was also an Executive Director

Remuneration paid in respect of the year to 31 December 2023

Single Figure of Remuneration for the period - Audited

Salary

The table below shows the aggregate emoluments earned by the Executive Directors of the Company who served at any time during either of the years ended 31 December 2023 and 31 December 2022. The emoluments shown for 2023 have been converted to USD at the Group's average rate for year to 31 December 2023 of GBP1:USD1.244. Those for 2022 were converted at the rate of GBP1:USD1.2369 in accordance with the 2022 U.K. Annual Report. Numbers given in Euros in any part of the Directors Remuneration Report are converted to USD at the Group's rate of €1:USD1.0813 and to GBP at the Group's rate of €1:GBP0.86979.

Long-term

incentives4

Total

	(USD 00	00s)	(USD 0	00s)	(USD 000s)		(USD 000s)		(USD 000s)		(USD 000s)	
Executive Director	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022
Javier López Madrid	746	685	196	181	149	137	565	986	0	0	1,656	1,989
Marco Levi	882	842	41	27	176	168	668	1,209	0	0	1,767	2,246
							Total		Total		Total	
						F	Fixed Remuneration	V	ariable Remuneration		Remuneration	
Executive Director						202:	3 2022	202	2022	202	3 2	2022
Javier López Madrid							1,091	1,003	565	986	1,656	1,989
Marco Levi							1,099	1,037	668	1,209	1,767	2,246

Pension³

Short-term incentives

- For Javier López Madrid, benefits include an expatriate allowance of 20% of salary (£119,180 (\$149,180 in 2023), and medical insurance and life assurance coverage as benefits. For Marco Levi, benefits

Benefits ²

For 2023 the pensions for Javier López Madrid and Marco Levi are 20% of base salary, paid as a cash supplement.

No long-term incentive awards had performance periods concluding in either 2023 or 2022. The performance period of the 2021 long-term incentive awards ended on 31 December 2021 and the awards vested on 1 January 2024 as to 100%. The performance period of the 2020 long-term incentive awards ended on 31 December 2024. The performance conditions of the 2020 awards were previously assessed at 31.92%.

The table below shows the aggregate emoluments earned by the Non-Executive Directors of the Company who served at any time during the years ended 31 December 2023 and 31 December 2022.

	Fees (\$'0	000)	Benefits (\$'	000)1	Total (\$'000)		
Non-Executive Directors	2023	2022	2023	2022	2023	2022	
Bruce L Crockett	219	204	22	22	241	226	
Stuart E Eizenstat	113	107	9	9	122	115	
Manuel Garrido y Ruano	99	103	5	5	104	108	
Rafael Barrilero	135	128	9	9	144	137	
Nicolas de Santis	124	111	-	-	124	111	
Juan Villar-Mir de Fuentes	91	88	4	4	95	92	
Marta Amusategui	139	129	9	9	148	138	
Silvia Villar-Mir de Fuentes 2	102	107	7	7	109	114	
Belén Villalonga Morenes	147	124	22	22	169	146	

(1) Benefits exclusively comprise travel allowances.

Short-term incentives for the financial year to 31 December 2023 for the Executive Directors – audited

The target annual bonus opportunity for each of the Executive Directors was 100% of salary, with a maximum opportunity of 150%, and the performance measures for 2023 for each are detailed in the tables below. Final bonuses were approved by the Compensation Committee and Board on 206 and 27th February 2024and paid at 75,77%% of target for the Executive Chairman and CEO.

Performance targets and performance for the Executive Directors in 2023 were as follows:

		Threshold	Target	Stretch		
	Weighting	performance	performance	performance		
	(target % of	(0% of target	(100% of	(150% of target	Actual	Bonus
Measure	award)	paid)	target paid)	paid)	Performance	outcome
Adjusted EBITDA	50%	\$ 159 million	\$ 345 million	\$ 495 million	\$ 315 million	91%
Adjusted Net cash-flow	50%	\$ 91 million	\$ 101 million	\$ 300 million	\$ 109 million	57%

^{1.} For purposes of evaluating the 2023 short-term incentive performance conditions, net cash flow was adjusted by the Committee to reflect (1) \$142 million excess debt repayment over budget expectations; and (2) \$154 million French energy rebate recognized in 2023 with cash received in January 2024.

Long term incentive awards for the financial year ended 31 December 2023 - Audited

Awards vesting/performance period ending in financial year 2022

There were no long-term incentive awards with performance periods ending in the year ended 31 December 2023 or that vested during 2023.

Awards granted in financial year 2023

On 30 May 2023 Javier López Madrid and Marco Levi were granted long-term incentive awards as set out in the table below.

	Туре	Basis of award	Share value at	Number of shares	Number of shares	Face value of shares		Performance
	of award ¹	(at max) ²	grant ³	at target	at max	at max ⁴	Vesting date	period ⁵
Javier López Madrid	Nil-cost option	200% of salary of \$745,902						1 January 2023 through 31
			\$ 4.4515	222,623	333,935	1,486,512	30 May 2026	December 2025
Marco Levi	Nil-cost option	200% of salary of \$882,341	\$ 4 4515	261 521	392.281	1 746 240	30 May 2026	1 January 2023 through 31 December 2025

- 2. No price is normally payable on the exercise of the nil-cost option although the Company reserves the right to require the payment of the nominal cost of the shares as a condition of exercise if required to enable the issue or transfer of the shares.
- 3. Converted at GBP1:USD1.24 and EUR1:USD1.07, being the exchange rate on the date of grant.
- 4. The share value at grant was determined based on the average of the closing prices of the 20 trading days prior to grant.
- 5. The value shown in this column has been calculated by multiplying the number of shares that would vest at max by the share value at grant.
- 6. See below for details of the performance conditions applicable to the awards.

The 2023 long term incentive awards are structured as performance share awards with awards vesting three years from grant subject to continued service and the achievement of performance conditions. The award levels are 100% of base salary at target and 200% of base salary at maximum in the case of the Executive Directors. The performance conditions are as follows:

- EBIT accounts for 40% weighting, with performance measured over a straight-line sliding scale with \$353 million representing minimum and 60% payout, \$588million representing target and 100% payout, and \$822 million representing maximum and 150% payout. Results below \$353 million are below minimum and have no associated payout.
- Operational cash flow accounts for 40% weighting, with performance measured over a straight-line sliding scale with \$649 million representing minimum and 60% payout, \$1,082 million representing target and 100% payout, and \$1,622 representing maximum and 150% payout. Results below \$649 million are below minimum and have no associated payout.
- Relative TSR accounts for 20% weighting, with performance measured over a straight-line sliding scale with median (50th percentile) representing minimum and target, and 100% payout, and 75th percentile or greater representing maximum and 150% payout. Results below median are below minimum and have no associated payout.

The relative TSR performance condition is based on a bespoke comparator group comprising Outokumpu, Imerys, Eramet, Jacquet Metals, Evonik Industries, Wacker, Thyssenkrupp, SGL Carbon SE, Amg Advanced Metallurgical Group, Elkem, Acerinox, Materion Corp., Minerals Technologies Inc., Schnitzer Steel Industries, Kaiser Aluminum, Ati Inc., Steel Dynamics Inc., Timkensteel, Century Aluminum Co, and Cleveland-Cliffs.

In addition, the grants are subject to a multiplier for successful completion of the Company's ESG action plan 2023-2025 which can both reduce or increase the total amount of payouts. If 60% or less of the ESG action plan is completed by the end of 2025, awards will be subject to a multiplier of 90%. If 80% of the ESG action plan 2023-2025 is completed by the end of 2025, awards will be subject to a multiplier of 100%. If 100% of the ESG action plan 2023-2025 is completed by the end of 2025, awards will be subject to a multiplier of 120%. Values falling between such points will be measured on a straight line basis.

Directors' shareholding and share interests - Audited

The table below sets out the number of shares held or potentially held by directors (including their connected persons where relevant) as at 31 December 2023. The Company has share ownership guidelines in place under which it recommends that non-executive directors hold up to a number of shares in the Company equivalent to 200% of base salary.

Director	Beneficially owned shares	Number of shares under long term incentive awards without performance conditions ¹	Number of shares under long term incentive awards with performance conditions ²	Shareholding as a % of base salary	Percentage of Executive Director's salary held as shares as at 31 December 2023 ³
Javier López Madrid	278,538	802,288	523,366		245%
Marco Levi	100,000	489,465	631,802	-	76%
Bruce L. Crockett	46,000	2,527	-	372%	
Stuart E. Eizenstat	61,845	-	-	500%	
Manuel Garrido y Ruano	870	-	-	7%	
Marta de Amusategui y Vergara	78,220	-	-	633%	
Juan Villar Mir de Fuentes	-	-	-	0%	
Belen Villalonga	-	-	-	0%	
Nicolas De Santis	-	-	-	0%	
Silvia Villar Mir de Fuentes	49,400	-	-	400%	
Rafael Barrilero	-	-	-	0%	

- Where performance conditions have already been tested by the Board, such amounts are reflected in the "without performance conditions" column with their expected vesting values.
- Refers to the maximum number of shares to potentially vest under the 2022 and 2023 LTIP grants.

 Measured by reference to beneficially owned shares only and using the closing share price on 29 December 2023 of \$6.51 and the annual salaries of the Executive Directors in USD as disclosed in this U.K. Annual Report and Accounts.

The Directors' outstanding share awards as at 31 December 2023 were as detailed below:

Director	Award type	Grant date	Outstanding ¹	Subject to performance conditions ²	Exercisable as of 31 December 2023	during the year to 31 December 2023	Future vesting	Vesting date
Javier López Madrid	LTIP Nil cost option	24.11.16	28,1173	Yes	Yes			24.11.19
-	LTIP Nil cost option	01.06.17	70,4643	Yes	Yes	-	-	01.06.20
	LTIP Nil cost option	21.03.18	46,7773	Yes	Yes		-	21.03.21
	Deferred Bonus Award: Nil cost option	14.06.18	23,0663	No	Yes	-	-	14.06.21
	LTIP Nil cost option	13.03.19	110,1133	Yes	Yes		-	28.04.22
	LTIP Nil cost option	16.12.20	138,1403	Yes	No	-	138,140	16.12.24
	LTIP Nil cost option	09.09.21	385,6114	Yes	No		385,611	01.01.24
	LTIP Nil cost option	21.09.22	189,4315	Yes	No	-	189,431	22.09.25
	LTIP Nil cost option	30.05.23	333,9355	Yes	No	-	333,935	30.05.26
Marco Levi	LTIP Nil cost option	16.12.20	130,3604	Yes	No		130,360	16.12.24
	LTIP Nil cost option	09.09.21	359,1054	Yes	No	-	359,105	01.01.24
	LTIP Nil cost option	21.09.22	239,5215	Yes	No		239,521	22.09.25
	LTIP Nil cost option	30.05.23	392,2815	Yes	No	-	392,281	30.05.26
Bruce L. Crockett ³	RSU/C	Various	2,527	No	Yes	-		

- Deferred share bonus awards granted to the Executive Directors only. Vested awards are shown with dividend equivalents.

 Subject to performance conditions and continued employment in the case of awards to the Executive Directors. See page 54 for performance conditions applicable to the awards granted in 2023.

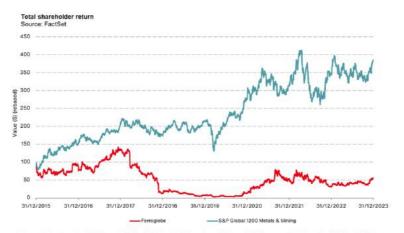
 Performance conditions and service conditions for these awards have been satisfied and the number of shares which are vested but not exercised as at 31 December 2023 are reflected as "outstanding". Performance conditions for these share awards have been satisfied and the number of shares expected to vest in the future are reflected in "outstanding" and "future vesting" columns. These awards are subject to satisfaction of performance conditions and service conditions in the future and are yet to be vested.

Total pension entitlements - Audited

Details of the value of pension contributions are provided in the *Pensions* column of the *Single Figure of Remuneration* table. Pension contributions are by way of a cash allowance. There are therefore no specified retirement ages to disclose or consequences of early retirement.

Performance Graph

The graph below illustrates the Company's TSR performance relative to the constituents of the S&P 1200 Metals & Mining index from the start of the first day of listing of Ferroglobe's shares on 24th December 2015 to 31 December 2023. The graph shows the performance of a hypothetical \$ 100 invested and its performance over that period. The index has been chosen for this table as the most appropriate comparator for the Company in this period as the Company is a constituent of this index and uses the constituents of this index for one of the TSR comparator groups for the long-term incentive awards.



This graph shows the value, by 31 December 2023, of \$100 invested in Ferroglobe on 24 December 2015, compared with the value of \$100 invested in the S&P Global 1200 Metals & Mining Index on a daily basis.

Payments for loss of office - Audited

There were no payments made to any director for loss of office in the year ended December 31, 2023.

Payments made to past directors - Audited

There were no payments made to any past directors in the year ended December 31, 2023.

Executive Chairman remuneration table (in thousands)

	2023	2022	2021	2020
	Javier López	Javier López	Javier López	Javier López
	Madrid ¹	Madrid ²	Madrid ³	Madrid ⁴
Executive Chairman's remuneration ⁵	\$1,656	\$1,989	\$5,635	\$2,007
Annual variable pay (including as a % of maximum) ⁶	\$565 (33%)	\$989 (50%)	\$4,518 (80%)	\$972 (48%)
LTIP awards with performance period ending in the relevant year ⁷	N/A	N/A	100%	31.92%

- At the exchange rate of 1 GBP: 1.244 USD used in the FY23 Report At the exchange rate of 1 GBP: 1.2369 USD used in the FY22 Report At the exchange rate of 1 GBP: 1.3757 USD used in the FY21 Report At the exchange rate of 1 GBP: 1.2838 USD used in the FY20 Report

- Remuneration comprises total remuneration

 Annual variable pay is the short term incentive amounts and the percentage of maximum award it represents. Figures elsewhere in this report show bonus as a percentage of target.

 The number of shares subject to long term incentive awards where final vesting is determined by reference to performance ending in the year under review is shown as a percentage of maximum opportunity.

Percentage increase or reduction in the remuneration of the Executive Directors

The following table shows the percentage change in remuneration of each director and European employees have been chosen as an appropriate group against to make the comparison, from financial year 2021, 2022 and 2023.

2023 Salary and fees (USD 000s)	Javier López Madrid	Marco Levi	José María Alapont (1)	Bruce L Crockett	Stuart E Eizenstat	Manuel Garrido y Ruano	Rafael Barrilero (2)	Nicolas de Santis (2)	Juan Villar Mir de Fuentes	Marta Amusategui	Villar- Mir de Fuentes	Belén Villalonga Morenes	Average employee pay
All taxable benefits (USD	9/0	3/0		1/0	076	-4/0	3/0	12/0	3/0	0/0	-3 /0	1970	
000s)	8%	11%		0%	0%	0%	0%		0%	0%	0%	0%	
Annual bonuses	-43%	-45%											
Total	-17%	-21%	-	7%	5%	-4%	5%	12%	3%	7%	-4%	16%	-4,7%
2022													
Salary and fees (USD 000s)	-10%	19%	-	1%	-10%	-9%	49%	50%	-8%	-2%	-6%	46%	
All taxable benefits (USD													
000s)	-10%	4%		57%	100%	100%	125%		100%	100%	58%	340%	
Annual bonuses	-12%	20%											
Total	-11%	18%		4%	-3%	<u>-4</u> %	52%	50%		5%	58%	62%	61%
2021													
Salary and fees (USD 000s)	7%	6%	-56%	39%	-1%	7%	-		7%	112%		-	
All taxable benefits (USD													
000s)	9%	14%	-28%	220%	-100%	-100%	-	-				-	
Annual bonuses	258%	233%											
Total	66%	<u>68</u> %	<u>-55</u> %	<u>45</u> %	<u>-4</u> %	5%			<u>7</u> %	112%			

- José María Alapont resigned from the Board on 30 April 2021.
 Belen Villalonga, Silvia Villar-Mir de Fuentes, Nicolas De Santis, and Rafael Barrilero Yarnoz joined the board of directors effective 13 May 2021.

Relative importance of the spend on pay

The following table shows the Company's actual spend on pay for all employees compared to distributions to shareholders in the financial year. No share dividends or buybacks have occurred in the referenced years.

	1 January 2023 to	1 January 2023 to			1 January 2021 to
	31 December 2023		31 December 2022		31 December 2021
Employee costs	\$ 305,85	9,000	\$ 314,810,000	\$	280,917,000
Average number of employees		3,539	3,470		3,294

External directorships during financial year 2023

Javier López Madrid

- · Chief Executive Officer of Grupo VM.
- · Non-Executive Chairman and investor of Siacapital S.L.

Marco Levi

· Non-executive director of Mativ Holdings Inc

The Board was satisfied that under these arrangements the Executive Chairman and CEO had the necessary time to carry out his duties effectively during 2023.

Under the Policy, Executive Directors may retain fees paid for external director appointments. These appointments are subject to approval by the Board and must be compatible with their duties as Executive Directors

Membership of the Committee

From 1 January 2023 until 26 May 2023, our Compensation Committee consisted of four directors: Mses. Amusategui and Villar-Mir de Fuentes and Messrs. Barrilero (Chair) and De Santis. Since 26 May 2023, our Compensation Committee has consisted of four directors: Ms. Amusategui and Messrs. Barrilero (Chair), Eizenstat and De Santis.

The Executive Chairman, Chief Executive Officer, Chief People & Culture Officer and other members of the management team may be invited to attend meetings to assist the Committee. Other Non-Executive Directors are normally invited to attend meetings to assist the Committee in its deliberations as appropriate. No Executive, however, is present during any decision making in relation to their own remuneration. In addition, neither Ms Villar-Mir de Fuentes nor Mr. Villar-Mir de Fuentes participated in discussions, or votes, regarding the remuneration of Javier López-Madrid

External advisors

Aon provides independent advice to the Committee and was appointed by the Committee in early 2016. The Committee seeks advice relating to Executive remuneration and Non-Executive Director remuneration and the wider senior management population from Aon. Aon also provided advice to management, to enable their support of the Committee, primarily in relation to remuneration reporting and the operation of incentive plans but does not provide any other services to the Company except for insurance broking services.

The Committee is satisfied that the advice received from Aon in relation to executive remuneration matters is objective and independent. Aon is a member of the UK Remuneration Consultants Group and abides by the Remuneration Consultants Group Code of Conduct, which requires its advice to be objective and impartial. The fees paid to Aon for advice provided directly to the Committee in 2023 were £6,400(\$7,962) (excluding VAT), with such fees paid on a per-service basis.

Statement of shareholder voting

The following table shows the results of the advisory vote on the 2022 Remuneration Report at the Annual General Meeting of 27 June 2023.

		% of votes		% of votes	
	For	cast	Against	cast	Withheld
Remuneration Report	132,987,943	98.72	1,665,009	1.24	53,462

Approval

This Directors' Remuneration Report, including both the Policy and Annual Report on Remuneration has been approved by the Board.

Signed on behalf of the Board.

Chairman of the Compensation Committee 20 May 2024

INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF FERROGLOBE PLC

1 Our opinion is unmodified

We have audited the financial statements of Ferroglobe PLC ("the Company" or "the Parent Company") for the year ended 31 December 2023 which comprise the Consolidated Statements of Financial Position, Consolidated Income Statements, Consolidated Statements of Comprehensive Income (Loss), Consolidated Statements of Changes in Equity, Consolidated Statements of Cash Flows, Parent Company Balance Sheet, Parent Company Statement of Changes in Equity, and the related notes, including the accounting policies in note 4 of the consolidated financial statements and in note 1 of the Parent Company financial statements.

In our opinion:

- the financial statements give a true and fair view of the state of the Group's and of the Parent Company's affairs as at 31 December 2023 and of the Group's profit for the year then ended;
- the Group financial statements have been properly prepared in accordance with UK-adopted international accounting standards;
- the Parent Company financial statements have been properly prepared in accordance with UK accounting standards, including FRS 101 Reduced Disclosure Framework; and
- the financial statements have been prepared in accordance with the requirements of the Companies Act 2006.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) ("ISAs (UK)") and applicable law. Our responsibilities are described below. We have fulfilled our ethical responsibilities under, and are independent of the Group in accordance with, UK ethical requirements including the FRC Ethical Standard as applied to listed entities. We believe that the audit evidence we have obtained is a sufficient and appropriate basis for our opinion.

2 Key audit matters: our assessment of risks of material misstatement

Key audit matters are those matters that, in our professional judgement, were of most significance in the audit of the financial statements and include the most significant assessed risks of material misstatement (whether or not due to fraud) identified by us, including those which had the greatest effect on: the overall audit strategy; the allocation of resources in the audit; and directing the efforts of the engagement team. These matters were addressed in the context of our audit of the financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters. In arriving at our audit opinion above, the key audit matters, in decreasing order of audit significance, were as follows:

Accounting treatment for Quebec Silicon Limited Partnership (QSLP) and WVA Manufacturing, LLC (WVA)

Refer to page 81 (Critical accounting estimates, assumptions and judgments), and pages 107 (financial disclosures).

The Risk - Accounting treatment

The Group entered into partnership agreements in 2009 and 2012 in respect of QSLP and WVA, whereby 51% of the ownership interest in the entities is owned by the Group and 49% of the ownership interest is held by Dow Corning Corporation ("Dow").

Whilst the Group has the majority holding in each entity, the assessment of whether the Group has control is judgemental in the context of the rights given to the respective partners within the various legal agreements established between them and, in the case of rights given to Dow, assessing whether the rights are substantive in nature or can be adjudged to be protective.

The Group has made the judgement that the Group controls both QSLP and WVA and hence has consolidated the net assets and results of the entities and shown Dow's interest as a non-controlling interest.

There are factors that indicate both control and joint control and therefore, as part of our first year audit, this has been an area of focus, with significant auditor judgement being required to assess whether the Group's judgement is acceptable.

Our response

We performed the tests below rather than seeking to rely on any of the Group's controls because the nature of the balances is such that we would expect to obtain audit evidence primarily through the detailed procedures described.

Our procedures to address the risk included:

Accounting analysis:

- · We inspected and assessed the Group's accounting papers and evaluation of the arrangements.
- We critically assessed management's conclusions by inspecting the shareholder and partnership agreements and the output and supply agreements to obtain an understanding of both parties' contractual rights, including in relation to appointing key management personnel, and to inform our assessment of what the relevant activities of QSLP and WVA were.
- We also inspected board meeting minutes for both entities and assessed whether these indicated that the Group had the ability to direct the relevant activities of QSLP and WVA; and
- Having assessed that the Group's accounting analysis gave more weight to arguments favouring control, we assessed the acceptability of these arguments based on our understanding of the contractual arrangements and rights available to the both the parties.

Assessing transparency: We assessed whether the Group's disclosures about the judgement involved and factors considered by the Group in reaching the judgement are adequate.

Carrying amount of property, plant and equipment for the Polokwane and Puertollano cash-generating units

(Combined carrying value of the Polokwane and the Puertollano CGUs \$43.62 million) Refer to page 84 (accounting policy), and pages 100-101 (financial disclosures).

The Risk - Forecast-based assessment and subjective valuation

The Group identified impairment indicators in certain CGUs based on the financial performance in FY 2023. In particular, the Group has determined the recoverable amount for the Polokwane CGU as the value in use, and for the Puertollano CGU as the fair value less costs of disposal. The recoverable amount of both CGUs is subjective due to the inherent uncertainty in forecasting cash flows for Polokwane and in determining the fair value of specialised assets for Puertollano.

Subjective auditor judgment was required to evaluate whether the Group's assumptions related to EBITDA projections, discount rate and terminal growth rate for the Polokwane CGU fall within an acceptable range.

Subjective auditor judgment was also required to evaluate the acceptability of the methodology and assumptions used to estimate the fair value of the Puertollano CGU due to the specialised nature of certain of the assets

The effect of these matters is that, as part of our risk assessment, we determined that, in aggregate, the value in use of Polokwane CGU and fair value less cost of disposal of Puertollano CGU have a high degree of estimation uncertainty, with a potential range of reasonable outcomes in aggregate greater than our materiality for the financial statements as a whole. The financial statements (note 8) disclose the Group's assessment of the sensitivity of the carrying amounts of the two CGUs.

In addition, specialised skills and knowledge were also required to assess the acceptability of the recoverable amount of both CGUs.

Our response

We performed the tests below rather than seeking to rely on any of the Group's controls because the nature of the balances is such that we would expect to obtain audit evidence primarily through the detailed procedures described.

Our procedures to address the risk included:

For the Polokwane CGU:

Benchmarking Assumptions: We evaluated the EBITDA projections by comparing them against the current and historical performance of other CGUs, the Group as a whole and other companies in similar industries. In addition, we evaluated revenue projections, which form part of the EBITDA projections, against third-party forecasted future market prices.

Our sector experience: We involved corporate valuation professionals, with specialised skills and knowledge, who assisted us in:

- evaluating the Group's discount rate by developing an independent estimate using publicly available market data for comparable entities; and
- evaluating the Group's terminal growth rate by developing an independent estimate using external market forecasts of relevant long-term growth rates.

For the Puertollano CGU:

Our sector experience:

- We involved real estate valuation professionals with specialised skills and knowledge who assisted us in evaluating the Group's estimated fair value of certain real estate in the Puertollano CGU based on comparable transactions
- We involved personal property valuation professionals with specialised skills and knowledge who assisted us in evaluation methodology used by the Group with reference to market practice. We also, with the assistance of these professionals, evaluated the Group's estimated fair value of certain industrial equipment in the Puertollano CGU based on comparable transactions and our knowledge of the industry.

For both CGUs:

Assessing transparency: We assessed the adequacy of the Group's disclosure about the combined estimation uncertainty in relation to the impairment assessment for the Polokwane and Puertollano CGUs.

Recoverability of cost of investment in subsidiary

(Investments in subsidiaries: \$645.09 million)

Refer to pages 146 (accounting policy) and page 148 (financial disclosures).

The risk - Low risk, high value

The carrying amount of the Parent Company's investment in subsidiary represents 87% of the Parent Company's total assets. Its recoverability is not at a high risk of significant misstatement or subject to significant judgement. However, due to its materiality in the context of the Parent Company financial statements, this is considered to be the area that had the greatest effect on our overall Parent Company audit.

Our response

We performed the tests below rather than seeking to rely solely on any of the Parent Company's controls because the nature of the balance is such that we would expect to obtain audit evidence primarily through the detailed procedures below.

Our procedures included:

Tests of detail: Comparing the carrying amount of the investment in subsidiary with the subsidiary's draft balance sheet to identify whether its net assets, being an approximation of its minimum recoverable amount, were in excess of its carrying amount.

As the Parent Company's investment is in a holding company, to assess the reasonableness of the recoverability assessment, we also compared the carrying amount of the Parent Company's investment with the aggregated net assets of the underlying trading groups as per their draft balance sheets to identify whether their net assets were in excess of the Parent Company's investment carrying amount.

Comparing valuations: assessing the reasonableness of the recoverability assessment by comparing the carrying amount of the investment in the subsidiary to the Group's market capitalisation, being an approximation of the recoverable amount of the investment.

3 Our application of materiality and an overview of the scope of our audit

Materiality for the Group financial statements as a whole was set at \$15,000,000, determined with reference to a benchmark of normalised Group revenue of \$2,008 million, of which it represents 0.75%. We normalised Group revenue by averaging over 3 years to account for cyclical fluctuations in the Group's performance. We consider revenue to be a more appropriate benchmark than Group profit before tax as Group profit before tax is a less stable measure year on year, having significantly fluctuated in recent years, including fluctuating between a profit and a loss.

Materiality for the Parent Company as a whole was set at \$6,000,000 determined with reference to a benchmark of the Parent Company total assets, of which it represents 0.81%.

In line with our audit methodology, our procedures on individual account balances and disclosures were performed to a lower threshold, performance materiality, so as to reduce to an acceptable level the risk that individually immaterial misstatements in individual account balances add up to a material amount across the financial statements as a whole.

Performance materiality was set at 65% of materiality for the financial statements as a whole, which equates to \$9,750,000 for the Group and \$3,900,000 for the Parent Company. We applied this percentage in our determination of performance materiality based upon our understanding of the control environment obtained as part of our first year audit.

We agreed to report to audit committee any corrected or uncorrected identified misstatements exceeding \$750,000 for the Group and \$300,000 for the Parent Company, in addition to other identified misstatements that warranted reporting on qualitative grounds.

We subjected three components to full scope audits for Group purposes. We subjected two components to audits of account balances over Sales, Raw material and energy consumption for production, property, plant and equipment, and inventory; for one of these components, we also performed an audit of cash and cash equivalents. We subjected three components to specified risk-focused audit procedures over Sales and Raw material and energy consumption for production; for one of these components, we also performed specified risk-focused audit procedures over property, plant and equipment and inventory; for another of these components, we also performed specified risk-focused audit procedures over property, plant and equipment and inventory; for another of these components, we also performed specified risk-focused audit procedures over cash and cash equivalents.

The components for which we performed work other than full scope audits for Group reporting purposes were not individually significant but were included in the scope of our Group reporting work in order to provide further coverage over the Group's results.

Total Profits

The components within the scope of our work accounted for the percentages in the table below.

			Total Floins	
			and Losses	
			That Made Up	Group
	Number of	Group	Group Profit	Total
	components	Revenue	Before Tax	Assets
Full scope audits	3	61%	49%	52%
Audit of specific account balances	2	11%	10%	15%
Specified risk focused audit procedures	3	17%	10%	8%
Total	8	89%	69%	75%

Additionally, the Group team performed procedures over the Group's impairment testing of property, plant and equipment centrally

The remaining 11% of total Group revenue, 31% of total profits and losses that made up Group profit before tax and 25% of Group total assets is represented by a large number of reporting components, none of which individually represented more than 7% of any of total Group revenue, total profits and losses that made up Group profit before tax or total Group assets. For these residual components, we performed analysis at an aggregated Group level to re-examine our assessment that there were no significant risks of material misstatement within these.

The Group team instructed component auditors as to the significant areas to be covered, including the relevant risks detailed above and the information to be reported back.

The Group team approved the component materialities, which ranged from \$5,000,000 to \$8,500,000, having regard to the mix of size and risk profile of the Group across the components. The work on all in-scope components was performed by component auditors. The audit of the Parent Company was performed by the Group team.

The scope of the audit work performed was predominately substantive as we placed limited reliance upon the Group's internal control over financial reporting.

The Group team visited seven component locations in Spain, Canada and USA to assess the audit risk and strategy. Video and telephone conference meetings were also held with all component auditors. At these visits and meetings, the findings reported to the Group team were discussed in more detail, and any further work required by the Group team was then performed by the component auditors.

The Group audit team also inspected component auditors' key work papers using remote technology capabilities to evaluate the quality of execution of the work performed on the components, with a particular focus on significant risk areas.

4 Going concern

The directors have prepared the financial statements on the going concern basis as they do not intend to liquidate the Group or the Parent Company or to cease their operations, and as they have concluded that the Group's and the Parent Company's financial position means that this is realistic. They have also concluded that there are no material uncertainties that could have cast significant doubt over their ability to continue as a going concern for at least a year from the date of approval of the financial statements ("the going concern period").

We used our knowledge of the Group, its industry, and the general economic environment to identify the inherent risks to its business model and analysed how those risks might affect the Group's financial resources or ability to continue operations over the going concern period.

The risk that we considered most likely to adversely affect the Group's available financial resources over this period is an adverse impact on the Group's trading, profitability and liquidity as a consequence of a reduction in demand and price of the finished goods or increase in cost of production.

We considered whether this risk could plausibly affect the liquidity or covenant compliance in the going concern period by assessing the directors' sensitivities over the level of available financial resources and covenant thresholds indicated by the Group's financial forecasts taking account of severe, but plausible adverse effects that could arise from this risk.

Our procedures also included:

- · Critically assessing assumptions in the going concern forecasts and the impact on forecast liquidity, particularly in relation to revenue projections, by comparing to third-party forecasted future market prices. We also assessed the assumptions used against our knowledge of the Group and the sector in which it operates, overlaying our knowledge of the Group's plans based on approved budgets.
- Obtaining confirmation letters for the cash balances as at 31 December 2023, and inspecting the credit facilities agreement for committed financing facilities.
- Considering whether the going concern disclosure in the note 3.1 of the consolidated financial statements and note 1 of the Parent Company financial statements gives a full and accurate description of the directors' assessment of going concern.

Our conclusions based on this work:

- · we consider that the directors' use of the going concern basis of accounting in the preparation of the financial statements is appropriate;
- we have not identified, and concur with the directors' assessment that there is not, a material uncertainty related to events or conditions that, individually or collectively, may cast significant doubt on the Group's or Parent Company's ability to continue as a going concern for the going concern period; and
- we found the going concern disclosures in note 3.1 of the consolidated financial statements and note 1 of the Parent Company financial statements to be acceptable.

However, as we cannot predict all future events or conditions and as subsequent events may result in outcomes that are inconsistent with judgements that were reasonable at the time they were made, the above conclusions are not a guarantee that the Group or the Parent Company will continue in operation.

5 Fraud and breaches of laws and regulations - ability to detect

Identifying and responding to risks of material misstatement due to fraud

To identify risks of material misstatement due to fraud ("fraud risks") we assessed events or conditions that could indicate an incentive or pressure to commit fraud or provide an opportunity to commit fraud. Our risk assessment procedures included:

- Enquiring of directors, the audit committee, internal audit as to the Group's high-level policies and procedures to prevent and detect fraud, including the internal audit function, and the Group's channel for "whistleblowing", as well as whether they have knowledge of any actual, suspected or alleged fraud.
- · Reading Board and audit committee minutes
- · Considering remuneration incentive schemes and performance targets for management and directors.
- · Using analytical procedures to identify any unusual or unexpected relationships
- Involvement of forensic specialists to assist us in identifying key fraud risks. This included attending the Risk Assessment and Planning Discussion, holding a discussion with the engagement partner, engagement manager and engagement quality control reviewer, and assisting with designing relevant audit procedures to respond to the identified fraud risks.

We communicated identified fraud risks throughout the audit team and remained alert to any indications of fraud throughout the audit. This included communication from the Group audit team to component auditors of relevant fraud risks identified at the Group level and request to component auditors to report to the Group audit team any instances of fraud that could give rise to a material misstatement at the Group level.

As required by auditing standards, and taking into account possible pressures to meet profit targets and our overall knowledge of the control environment, we perform procedures to address the risk of management override of controls and the risk of fraudulent revenue recognition, in particular the risk that Group and component management may be in a position to make inappropriate accounting entries, the risk of bias in accounting estimates such as impairment assessments related to property, plant and equipment, and the risk that revenue is overstated through recording revenues in the wrong period. We did not identify any additional fraud risks.

We performed procedures including:

- Identifying journal entries and other adjustments to test for all full scope components based on risk criteria and comparing the identified entries to supporting documentation. These included those posted to seldom used accounts, entries created by seldom posters, entries posted to revenue accounts with an unusual account combination, and entries created and posted by the same user.
- Assessing whether the judgements made in making accounting estimates are indicative of a potential bias.

Identifying and responding to risks of material misstatement related to compliance with laws and regulations

We identified areas of laws and regulations that could reasonably be expected to have a material effect on the financial statements from our general commercial and sector experience, through discussion with the directors and other management (as required by auditing standards), and from inspection of the Group's regulatory and legal correspondence and discussed with the directors and other management the policies and procedures regarding compliance with laws and regulations.

We communicated identified laws and regulations throughout our team and remained alert to any indications of non-compliance throughout the audit. This included communication from the Group audit team to component auditors of relevant laws and regulations identified at the Group level, and a request for component auditors to report to the Group audit team any instances of non-compliance with laws and regulations that could give rise to a material misstatement at the Group level.

The potential effect of these laws and regulations on the financial statements varies considerably.

Firstly, the Group is subject to laws and regulations that directly affect the financial statements including financial reporting legislation (including related companies legislation), distributable profits legislation and taxation legislation and we assessed the extent of compliance with these laws and regulations as part of our procedures on the related financial statement items.

Secondly, the Group is subject to many other laws and regulations where the consequences of non-compliance could have a material effect on amounts or disclosures in the financial statements, for instance through the imposition of fines or litigation or loss of one of the Group's licenses to operate. We identified the following areas as those most likely to have such an effect: health and safety, data protection laws, anti-bribery, employment law, anti-money laundering laws, environmental law, other taxation legislation, competition legislation and licenses relating to the mining and energy generation recognising the nature of the Group's activities and its legal form. Auditing standards limit the required audit procedures to identify non-compliance with these laws and regulations to enquiry of the directors and other management and inspection of regulatory and legal correspondence, if any. Therefore, if a breach of operational regulations is not disclosed to us or evident from relevant correspondence, an audit will not detect that breach.

Context of the ability of the audit to detect fraud or breaches of law or regulation

Owing to the inherent limitations of an audit, there is an unavoidable risk that we may not have detected some material misstatements in the financial statements, even though we have properly planned and performed our audit in accordance with auditing standards. For example, the further removed non-compliance with laws and regulations is from the events and transactions reflected in the financial statements, the less likely the inherently limited procedures required by auditing standards would identify it.

In addition, as with any audit, there remained a higher risk of non-detection of fraud, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal controls. Our audit procedures are designed to detect material misstatement. We are not responsible for preventing non-compliance or fraud and cannot be expected to detect non-compliance with all laws and regulations.

6 We have nothing to report on the other information in the Annual Report

The directors are responsible for the other information presented in the Annual Report together with the financial statements. Our opinion on the financial statements does not cover the other information and, accordingly, we do not express an audit opinion or, except as explicitly stated below, any form of assurance conclusion thereon.

Our responsibility is to read the other information and, in doing so, consider whether, based on our financial statements audit work, the information therein is materially misstated or inconsistent with the financial statements or our audit knowledge. Based solely on that work we have not identified material misstatements in the other information.

Strategic report and directors' report

Based solely on our work on the other information:

- · we have not identified material misstatements in the strategic report and the directors' report;
- in our opinion the information given in those reports for the financial year is consistent with the financial statements; and
- in our opinion those reports have been prepared in accordance with the Companies Act 2006.

Directors' remuneration report

In our opinion the part of the Directors' Remuneration Report to be audited has been properly prepared in accordance with the Companies Act 2006.

7 We have nothing to report on the other matters on which we are required to report by exception

Under the Companies Act 2006, we are required to report to you if, in our opinion:

- adequate accounting records have not been kept by the Parent Company, or returns adequate for our audit have not been received from branches not visited by us; or
- the Parent Company financial statements and the part of the Directors' Remuneration Report to be audited are not in agreement with the accounting records and returns; or
- · certain disclosures of directors' remuneration specified by law are not made; or
- we have not received all the information and explanations we require for our audit.

We have nothing to report in these respects.

8 Respective responsibilities

Directors' responsibilities

As explained more fully in their statement set out on page 33, the directors are responsible for: the preparation of the financial statements including being satisfied that they give a true and fair view; such internal control as they determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error; assessing the Group and Parent Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern; and using the going concern basis of accounting unless they either intend to liquidate the Group or the Parent Company or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue our opinion in an auditor's report. Reasonable assurance is a high level of assurance, but does not guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

A fuller description of our responsibilities is provided on the FRC's website at www.frc.org.uk/auditorsresponsibilities.

9 The purpose of our audit work and to whom we owe our responsibilities

This report is made solely to the Company's members, as a body, in accordance with Chapter 3 of Part 16 of the Companies Act 2006. Our audit work has been undertaken so that we might state to the Company's members those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the Company and the Company's members, as a body, for our audit work, for this report, or for the opinions we have formed.

Lynton Richmond (Senior Statutory Auditor) for and on behalf of KPMG LLP, Statutory Auditor Chartered Accountants 15 Canada Square London E14 5GL

20 May 2024

FERROGLOBE PLC

AUDITED CONSOLIDATED FINANCIAL STATEMENTS

Consolidated Financial Statements as of December 31, 2023 and 2022 and for each of the three years ended December 31, 2023, 2022 and 2021

Consolidated Statements of Financial Position as of December 31, 2023 and 2022	7
Consolidated Income Statements for the years ended December 31, 2023, 2022 and 2021	7
Consolidated Statements of Comprehensive Income (Loss) for the years ended December 31, 2023, 2022 and 2021	7
Consolidated Statements of Changes in Equity for the years ended December 31, 2023, 2022 and 2021	7
Consolidated Statements of Cash Flows for the years ended December 31, 2023, 2022 and 2021	7
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CONSOLIDATED STATEMENTS OF FINANCIAL POSITION AS OF DECEMBER 31, 2023 AND 2022

(In USD thousands)

	Notes	2023	2022
ASSETS			
Non-current assets	N	20 502	20.502
Goodwill	Note 6	29,702	29,702
Intangible assets	Note 7	138,345	111,797
Property, plant and equipment	Note 8	501,396	486,247
Other financial assets	Note 9	19,792	14,186
Deferred tax assets	Note 24	8,760	7,136
Receivables from related parties	Note 25	1,658	1,600
Other non-current assets	Note 11	22,156	18,218
Restricted cash and cash equivalents	Note 9		2,133
Total non-current assets		721,809	671,019
Current assets			
Inventories	Note 10	383,841	500,080
Trade and other receivables	Note 9	310,243	425,474
Receivables from related parties	Note 25	2,772	2,675
Current income tax assets	Note 24	15,977	6,104
Other financial assets	Note 9	2	3
Other current assets	Note 11	186,477	30,608
Assets and disposal groups classified as held for sale		_	1,067
Restricted cash and cash equivalents	Note 9	1,179	2,875
Cash and cash equivalents	Note 9	136,470	317,935
Total current assets		1,036,961	1,286,821
Total assets		1,758,770	1,957,840
EQUITY AND LIABILITIES			
Equity			
Share capital		1,962	1,962
Share Premium		86,220	86,220
Reserves		800,662	353,454
Translation differences		(231,799)	(242,623)
Valuation adjustments		8,354	10,735
Result attributable to the Parent		82,662	440,314
Equity attributable to the Parent		748,061	650,062
Non-controlling interests	N. r. 12	121,825	106,751
Total equity Non-current liabilities	Note 12	869,886	756,813
	Note 14	26,000	2.042
Deferred income	Note 14	26,980	3,842
Provisions	Note 15	19,970	22,124
Provisions for pensions	Note 15.1	29,805	25,546
Bank borrowings	Note 16	14,913	15,774
Lease liabilities	Note 17	20,304	12,942
Debt instruments	Note 18	149,015	330,655
Other financial liabilities	Note 19	65,231	38,279
Other obligations	Note 22	35,883	37,502
Other non-current liabilities	Note 23	199	12
Deferred tax liabilities	Note 24	32,582	35,854
Total non-current liabilities		394,882	522,530
Current liabilities			
Provisions	Note 15	122,757	145,327
Provisions for pensions	Note 15.1	169	180
Bank borrowings	Note 16	31,635	62,059
Lease liabilities	Note 17	8,083	8,929
Debt instruments	Note 18	5,765	12,787
Other financial liabilities	Note 19	16,052	60,382
Payables to related parties	Note 25	2,429	1,790
Trade and other payables	Note 21	183,375	219,666
Current income tax liabilities	Note 24	8,351	53,234
Other obligations	Note 22	14,183	9,580
Other current liabilities	Note 23	101,203	104,563
Total current liabilities		494,002	678,497
Total equity and liabilities		1,758,770	1,957,840

Notes 1 to 32 are an integral part of the consolidated financial statements

The financial statements were approved by the Board of Directors and authorized for issue on May 20, 2024 Signed on its behalf by:
Dr. Marco Levi
Director

CONSOLIDATED INCOME STATEMENTS FOR THE YEARS 2023, 2022 AND 2021 $\,$

(In USD thousands, except share and per share data)

	Notes	2023	2022	2021
Sales	Note 27.1	1,650,034	2,597,916	1,778,908
Raw materials and energy consumption for production ¹	Note 27.2	(879,286)	(1,285,086)	(1,184,896)
Other operating income	Note 27.3	100,992	147,356	110,085
Staff costs	Note 27.4	(305,859)	(314,810)	(280,917)
Other operating expense	Note 27.5	(270,090)	(346,252)	(296,809)
Depreciation and amortization charges	Note 27.6	(73,532)	(81,559)	(97,328)
Impairment (loss) gain	Note 27.8	(25,290)	(56,999)	137
Other (loss) gain		(29)	(19)	2,206
Operating profit		196,940	660,547	31,386
Finance income	Note 27.7	5,422	2,274	253
Finance costs	Note 27.7	(38,793)	(61,015)	(149,189)
Exchange differences		(7,551)	(9,995)	(2,386)
Profit (Loss) before tax		156,018	591,811	(119,936)
Income tax (expense) benefit	Note 24	(57,540)	(147,983)	4,562
Total Profit (Loss) for the year		98,478	443,828	(115,374)
Profit (loss) attributable to the Parent		82,662	440,314	(110,624)
Profit (loss) attributable to non-controlling interests	Note 12	15,816	3,514	(4,750)
Earnings per share				
		2023	2022	2021
Numerator:				,
Total Profit (Loss) attributable to the Parent (U.S.\$'000)		82,662	440,314	(110,624)
Denominator:				
Weighted average number of basic shares outstanding		187,872,191	187,815,672	176,508,144
Weighted average number of dilutive shares outstanding		190,289,808	189,625,195	176,508,144
Basic earnings (loss) per ordinary share (U.S.\$)	Note 13	0.44	2.34	(0.63)
Diluted earnings (loss) per ordinary share (U.S.\$)	Note 13	0.43	2.32	(0.63)

 $^{^{1}\}text{In}\ 2023, includes a net energy credit of $28,651$ as described further in Note 27.2

$CONSOLIDATED \ STATEMENTS \ OF \ COMPREHENSIVE \ INCOME \ (LOSS) \ FOR \ 2023, 2022 \ AND \ 2021$

(In USD thousands)

	Notes	2023	2022	2021
Total Profit (Loss) for the year		98,478	443,828	(115,374)
Items that will not be reclassified subsequently to income or loss:				
Remeasurement (losses) gains on defined-benefit obligations	Note 15	(5,620)	9,779	2,566
Tax effect	Note 24	1,500	(2,082)	139
Total income and expense that will not be reclassified subsequently to income or loss	11010 21	(4,120)	7,697	2,705
Items that may be reclassified subsequently to income or loss:				
Cash flow hedge accounting		2,245	_	_
Translation differences		11,730	(17,178)	(20,393)
Tax effect	Note 24	(767)	_	_
Total income and expense that may be reclassified subsequently to income or loss		13,208	(17,178)	(20,393)
Items that have been reclassified to income or loss in the period:				
Cash flow hedge accounting		83		(922)
Total items that have been reclassified to profit (loss)		83		(922)
Other comprehensive Profit (loss) for the year, net of income tax		9,171	(9,481)	(18,610)
Total comprehensive Profit (loss) for the year		107,649	434,347	(133,984)
Total comprehensive Profit (loss) attributable to the Parent		91,105	430,219	(131,413)
Total comprehensive Profit (loss) attributable to non-controlling interests		16,544	4,128	(2,571)

CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY FOR 2023, 2022 AND 2021 (In USD thousands, except issued shares in thousands)

			Total Amounts Attributable to Owners							
	Notes	Issued Shares (Thousands)	Share Capital US\$'000	Share Premium US\$'000	Reserves US\$'000	Translation Differences US\$'000	Valuation Adjustments US\$'000	Result for the Year US\$'000	Non- controlling Interests US\$'000	Total US\$'000
Balance at January 1, 2021		170,864	1,784		696,774	(206,759)	5,755	(246,339)	114,504	365,719
Comprehensive (loss) profit for the year 2021 Issue of share capital		18,019	178	86,220		(20,559)	(230)	(110,624)	(2,571)	(133,984) 86,398
Share-based compensation					3,627	_	_	_	_	3,627
Recording of 2020 (loss) in reserves		_	_	_	(246,339)	_	_	246,339	_	´—
Dividends paid non-controlling interests		_	_		—	_	_		(5,880)	(5,880)
Other changes					4,151					4,151
Balance at December 31, 2021		188,883	1,962	86,220	458,213	(227,318)	5,525	(110,624)	106,053	320,031
Comprehensive profit (loss) for the year 2022						(15,305)	5,210	440,314	4,128	434,347
Share-based compensation	Note 27.4	_	_	_	5,825		_		_	5,825
Recording of 2021 (loss) in reserves		_	_	_	(110,624)	_	_	110,624	_	´—
Dividends paid non-controlling interests		_	_	_	—	_	_		(3,430)	(3,430)
Other changes					40					40
Balance at December 31, 2022		188,883	1,962	86,220	353,454	(242,623)	10,735	440,314	106,751	756,813
Comprehensive profit (loss) for the year 2023						10,824	(2,381)	82,662	16,544	107,649
Share-based compensation	Note 27.4	_	_	_	7,244	_	_	_	_	7,244
Recording of 2022 profit in reserves		_	_	_	440,314	_	_	(440,314)	_	_
Dividends paid non-controlling interests		_	_	_		_	_	_	(1,470)	(1,470)
Other changes					(350)					(350)
Balance at December 31, 2023		188,883	1,962	86,220	800,662	(231,799)	8,354	82,662	121,825	869,886

${\bf CONSOLIDATED\ STATEMENTS\ OF\ CASH\ FLOWS\ FOR\ 2023, 2022\ AND\ 2021} \\ {\bf (In\ USD\ thousands)}$

	Notes	2023 US\$'000	2022 US\$'000	2021 US\$'000
Cash flows from operating activities:				
Profit (Loss) for the year		98,478	443,828	(115,374)
Adjustments to reconcile net profit (loss) to net cash provided by operating activities:		· ·	,	` ' '
Income tax expense (benefit)	Note 24	57,540	147,983	(4,562)
Depreciation and amortization charges		73,532	81,559	97,328
Finance income		(5,422)	(2,274)	(253)
Finance costs		38,793	61,015	149,189
Exchange differences		7,551	9,995	2,386
Impairment loss (gain)		25,290	56,999	(137)
Share-based compensation	Note 27.4	7,402	5,836	3,627
Other loss (gain)		29	19	(2,206)
Changes in operating assets and liabilities:				(, ,
Decrease (increase) in inventories		102,179	(220,823)	(60,296)
Decrease (increase) in trade and other receivables		126,458	(72,558)	(161,434)
(Decrease) increase in trade and other payables		(70,573)	30.640	64,382
Decrease (increase) in energy receivable	Note 11	(159,807)	(21,684)	5,476
Other changes in operating assets and liabilities		(9,770)	(34,993)	24,327
Income taxes (paid) received	Note 24	(113,308)	(80,524)	(3,794)
Net cash provided by (used in) operating activities	-1010 = 1	178,372	405,018	(1,341)
Cash flows from investing activities:		170,072	403,010	(1,041)
Interest and finance income received		3,725	1,520	207
Payments due to investments:		3,723	1,520	207
Intangible assets	Note 7	(2,787)	(1,147)	
Property, plant and equipment	Note 8	(83,679)	(52,147)	(27,597)
Disposals:	Note 8	(65,079)	(32,147)	(21,391)
Other non-current assets		935		3,542
Net cash used in investing activities		(81,806)	(51,774)	(23,848)
Cash flows from financing activities:		(01,000)	(31,774)	(23,040)
			(052)	(42.755)
Payment for debt and equity issuance costs	Note 12	_	(853)	(43,755) 40,000
Proceeds from equity issuance		_		
Proceeds from debt issuance	Note 18	(170.075)		60,000
Repayment of debt instruments	Note 18	(179,075)	(84,823)	_
Increase (decrease) in bank borrowings:	No. 16	432.274	000.507	659.083
Borrowings	Note 16 Note 16	- , .	898,586	,
Payments		(456,506)	(919,932)	(671,467)
Payments for lease liabilities	Note 17	(14,967)	(11,590)	(11,232)
Proceeds from other financing liabilities	Note 19	(21.660)	38,298	_
Other (payments) receipts from financing activities	Note 19	(21,666)	678	(22.177)
Interest paid		(42,207)	(60,822)	(22,177)
Net cash (used in) provided by financing activities		(282,147)	(140,458)	10,452
Total net (decrease) increase in cash and cash equivalents		(185,581)	212,786	(14,737)
Beginning balance of cash and cash equivalents		322,943	116,663	131,557
Exchange differences on cash and cash equivalents in foreign currencies		287	(6,506)	(157)
Ending balance of cash and cash equivalents		137,649	322,943	116,663
Restricted cash and cash equivalents		1,179	5,008	2,272
Cash and cash equivalents		136,470	317,935	114,391
Ending balance of cash and cash equivalents		137,649	322,943	116,663

Ferroglobe PLC and Subsidiaries

Notes to the consolidated financial statements for the years ended December 31, 2023, 2022 and 2021 (USD in thousands, except share and per share data)

1. General information

Ferroglobe PLC and its subsidiaries (collectively the "Company", "Ferroglobe", "we", "our", "us") is among the world's largest producers of silicon metal and silicon-based alloys, important ingredients in a variety of industrial and consumer products. The Company's customers include major silicone chemical producers, aluminum and steel manufacturers, auto companies and their suppliers, ductile iron foundries, manufacturers of photovoltaic solar cells and computer chips, and concrete producers. Additionally, the Company operates hydroelectric plants in France.

Ferroglobe PLC (the "Parent Company" or "the Parent") is a public limited company that was incorporated in the United Kingdom on February 5, 2015 (formerly named 'Velonewco Limited'). The Parent's registered office is 5 Fleet Place, London EC4M 7RD (United Kingdom).

In 2015, Ferroglobe PLC consummated the acquisition ("Business Combination") of Ferroglobe U.S.A, Inc (formerly Globe Specialty Metals, Inc) and subsidiaries and Ferroglobe Spain Metals, S.A.U. (formerly Grupo FerroAtlántica, S.A.U.), forming Ferroglobe.

In 2023, the Company commenced a rebranding of its subsidiary corporation names to align under a "one Ferroglobe" approach.

2. Organization and Subsidiaries

Ferroglobe has a diversified production base consisting of production facilities across North America, Europe, South America, South Africa and Asia.

 $The \ subsidiaries \ of \ Ferroglobe \ PLC \ as \ of \ December \ 31, 2023 \ and \ 2022, \ classified \ by \ reporting \ segments, \ were \ as \ follows:$

2023 Subsidiaries

	Percentage of			
	Ownership			
ANY C. T. ANG	Direct Tot		Reporting Segment	Registered
ARL Services, LLC	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Core Metals Group Holdings, LLC	_	100.0	North America – Silicon Alloys	Delaware - U.S.A
Cuarzos Industriales de Venezuela, S.A. Emix, S.A.S.	= =	100.0	Other segments	Venezuela France
		100.0	Other segments	
Ferroatlántica de México, S.A. de C.V.	_	100.0	Other segments	Nueva León - Mexico
Ferroatlántica de Venezuela (FerroVen), S.A. Ferroatlántica Deutschland. GmbH	_	99.9 100.0	Other segments Other segments	Venezuela Germany
Ferroatlántica do Brasil Mineração Ltda.	_	70.0		Brazil
Ferroglobe Advanced Materials II, S.L.		100.0	Other segments Other segments	Spain
Ferroglobe Advanced Materials, S.L. (formerly Ferrosolar OPCO Group S.L.)	_	100.0	Other segments Other segments	Spain
Ferroglobe Advanced Materiais, S.R. (formerly Ferrosolar OPCO Group S.L.) Ferroglobe Argentina, S.R.L (formerly Globe Metales S.R.L)		100.0		Spain Argentina
Ferroglobe Canada ULC (formerly OSIP Canada ULC)	_	100.0	Other segments North America – Silicon Metal	Canada
Ferroglobe Corporate Services, S.L.U. (formerly Grupo FerroAtlántica de Servicios, S.L.U.)	_	100.0	Other segments	Madrid - Spain
Ferroglobe Curroos Industriales Mining, S.A.U. (formerly Curroos Industriales, S.A.U.)	_	100.0		A Coruña - Spain
retroglobe Cuazos industriales Mining, S.A.U. (formerly Cuarzos industriales, S.A.U.)			Europe – Silicon Metal and Alloys	
Ferroglobe de Participaciones, S.L.U. Ferroglobe Finance Company, PLC	-	100.0	Other segments	Madrid - Spain
	_	100.0	Other segments	United Kingdom
Ferroglobe France SAS (formerly FerroPem, S.A.S.)	100	100.0	Europe – Silicon Metal and Alloys	France United Kingdom
Ferroglobe Holding Company, LTD	100	100.0	Other segments	
Ferroglobe Innovation, S.L. Ferroglobe Mangan Norge A.S.	-	100.0	Other segments Europe – Manganese	Spain Norway
		100.0		
Ferroglobe Manganese France S.A.S.		100.0	Europe – Manganese	France
Ferroglobe Monzón, S.L. (formerly Ferroatlántica del Cinca, S.L.)	_	99.9	Europe – Manganese	Madrid - Spain
Ferroglobe Netherlands, B.V. (formerly GSM Netherlands, B.V.)	_	100.0	Other segments	Netherlands
Ferroglobe RAMSA Mining, S.A. (formerly Rocas, Arcillas y Minerales, S.A.)	_	100.0	Europe – Silicon Metal and Alloys	A Coruña - Spain
Ferroglobe South Africa (Pty) Ltd (formerly Silicon Smelters (Pty.), Ltd.)	_	100.0	South Africa – Silicon Metal and Alloys	Polokwane - South Africa
Ferroglobe Spain Metals, S.A.U. (formerly Grupo FerroAtlántica, S.A.U.)	_	100.0	Europe – Manganese and Silicon Metal	Madrid - Spain
Ferroglobe U.S.A Alloys I, Inc (formerly GSM Alloys I, Inc.)	_	100.0	North America - Silicon Metal	Delaware - U.S.A
Ferroglobe U.S.A ARLR, LLC (formerly ARL Resources, LLC)	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Ferroglobe U.S.A BG, LLC (formerly Globe BG, LLC)	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Ferroglobe U.S.A Bridgeport, LLC (formerly Tennessee Alloys Company, LLC)	_	100.0	North America – Silicon Alloys	Delaware - U.S.A
Ferroglobe U.S.A ECPĪ, Inc. (formerly ECPI, Inc.)	_	100.0	North America – Silicon Alloys	Delaware - U.S.A
Ferroglobe U.S.A Financial, Inc. (formerly GSM Financial, Inc.)	_	100.0	Other segments	Delaware - U.S.A
Ferroglobe U.S.A GBG Financial (formerly GBG Financial LLC)	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Ferroglobe U.S.A LF Resources, Inc (formerly LF Resources, Inc.)	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Ferroglobe U.S.A LFR, IN (formerly Laurel Ford Resources, Inc.)	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Ferroglobe U.S.A Metallurgical, Inc. (formerly Globe Metallurgical Inc.)	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Ferroglobe U.S.A Metals, LLC. (formerly Core Metals Group, LLC)	_	100.0	North America – Silicon Alloys	Delaware - U.S.A
Ferroglobe U.S.A Mining Sales, LLC (formerly Alden Sales Corporation, LLC)	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Ferroglobe U.S.A Mining Services, LLC (formerly Gatliff Services, LLC)	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Ferroglobe U.S.A Mining, LLC (formerly Alden Resources, LLC)	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Ferroglobe U.S.A MPM, LLC (formerly Metallurgical Process Materials, LLC)	_	100.0	North America – Silicon Alloys	Delaware - U.S.A
Ferroglobe U.S.A Quartz, Inc. (formerly Alabama Sand and Gravel, Inc.)	_	100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Ferroglobe U.S.A Sales, Inc. (formerly GSM Sales, Inc.)	_	100.0	North America – Silicon Metal	Delaware - U.S.A
Ferroglobe U.S.A, Inc (formerly Globe Specialty Metals, Inc.)	_	100.0	Other segments	Delaware - U.S.A
Ferroglobe USA Silica Fume Sales, Inc. (formerly Norchem, Inc.)	_	100.0	North America – Silicon Metal and Alloys	Florida - U.S.A
FerroManganese Mauritania S.A.R.L.	_	90.0	Other segments	Mauritania
Ferroquartz Holdings, Ltd. (Hong Kong)	_	100.0	Other segments	Hong Kong
FerroQuartz Mauritania S.A.R.L.	_	90.0	Other segments	Mauritania
Ferrosolar R&D S.L.	_	50.0	Other segments	Spain
Ferro Tambao, S.A.R.L.	_	90.0	Other segments	Burkina Faso
GBG Holdings, LLC	_	100.0	North America – Silicon Metal and Allovs	Delaware - U.S.A
Globe Metals Enterprises, Inc.	_	100.0	North America – Silicon Allovs	Delaware - U.S.A
GSM Alloys II, Inc. (formerly Ferroglobe U.S.A Alloys II, Inc.)	_	100.0	North America – Silicon Metal	Delaware - U.S.A
GSM Enterprises Holdings, Inc.		100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
GSM Enterprises, LLC		100.0	North America – Silicon Metal and Alloys	Delaware - U.S.A
Kintuck (France) S.A.S.		100.0	Europe – Manganese	France
Kintuck (Plance) S.A.S.		100.0	Europe – Manganese Europe – Manganese	Norway
Mangshi FerroAtlántica Mining Industry Service Company Limited	_	100.0	Other segments	Mangshi, Dehong -Yunnan -China
Ningxia Yonvey Coal Industrial Co., Ltd.		98.0	Other segments Other segments	Mangsni, Denong - Yunnan - Cnina China
Ouebec Silicon General Partner	=	51.0	North America – Silicon Metal	Canada
		51.0		Canada Canada
Quebec Silicon Limited Partnership			North America – Silicon Metal	Polokwane - South Africa
Rebone Mining (Pty.), Ltd.		74.0	South Africa – Silicon Metal and Alloys	
Silicon Technology (Pty.), Ltd.	_	100.0	South Africa – Silicon Metal and Alloys	South Africa
Solsil, Inc.	_	92.4	Other segments	Delaware - U.S.A
Thaba Chueu Mining (Pty.), Ltd.	_	74.0	South Africa – Silicon Metal and Alloys	Polokwane - South Africa
Ultracore Energy S.A.	_	100.0	Other segments	Argentina
		100.0		Delaware - U.S.A
West Virginia Alloys, Inc. WVA Manufacturing, LLC	_		North America – Silicon Metal and Alloys North America – Silicon Metal	Delaware - U.S.A Delaware - U.S.A

2022 Subsidiaries

Percentage of	

Section Sect		Direct To	4-1	Reporting Segment	Registered
Auth Resource, LLC	111 0 1 10 11	Direct 10			
Alber Sales Cispontini, LLC		_			
ARI, Facure LLC					
ARE Services, LiC		_			
Core Number (Core) Part (Core) Core Number (C					
Core Mentil Core) LLC		_			
ECP, Lec.	Core Metals Group Holdings, LLC	_			
Gatif Service, LLC		_			
Globe Big. LLC	ECPI, Inc.	_	100.0	North America – Silicon Alloys	Delaware - U.S.A
Cheb Bit, LLC	Gatliff Services, LLC	_	100.0	North America – Silicon Metal and Allovs	Delaware - U.S.A
GRIG Francis LLC	Globe BG, LLC	_	100.0	North America – Silicon Metal and Allovs	Delaware - U.S.A
GG Folder Company	GBG Financial LLC	_	100.0		Delaware - U.S.A
Choke Media Figuritysts North America - Silicon Meal and Alloys Delaware - U.S.A		_			
Globe Media Emergense, Inc.		_		North America - Silicon Metal and Alloys	
GSM Alloys Inc.					
CSM Allysis Line					
SM Energines Holdings, Inc.					
SM Starpines, LLC					
GSM Sale's inc		_			
Laurel Ford Recourses, Inc.					
LF RESOURCE, Inc. — 1000 North America — Silson Medial and Alloys Delaware — U.S.A		_			
Metallupical Process Materials, LLC					
Nord-herric 1000 North America - Silicon Media and Alloys Florida - U.S.A		_			
OSIP Cranda ULC		_			
Ösebes Silicon General Patriner — \$10 North America - Silicon Metal Canada Opebes Silicon General Patriner — \$10 North America - Silicon Metal Canada Opebes Silicon General Patriner — \$10 North America - Silicon Metal Delaware - U.S.A West Virgina Alloys, Inc. — \$10 North America - Silicon Metal and Alloys Delaware - U.S.A Wy Administrating I. C — \$10 North America - Silicon Metal and Alloys A Cordia's Spain Ferroglobe Nanganese France S A.S. — \$100 Europe - Silicon Metal and Alloys A Cordia's Spain Ferroglobe Nanganese France S A.S. — \$100 Europe - Manganese Norway Ferroglobe Nanganese France S A.S. — \$100 Europe - Manganese France Ferroglobe Nanganese France S A.S. — \$100 Europe - Manganese France Ferroglobe Nanganese France S A.S. — \$100 Europe - Manganese France Kintak (France) S A.S. — \$100 Obrespective Medal and Alloys France Kintak A.S. — \$100 Obrespective Medal and Alloys Norway Kintak A.S. — \$100 Sulf Aria Silicon Medal an		_			
Ösebes Silicon General Patriner — \$10 North America - Silicon Metal Canada Opebes Silicon General Patriner — \$10 North America - Silicon Metal Canada Opebes Silicon General Patriner — \$10 North America - Silicon Metal Delaware - U.S.A West Virgina Alloys, Inc. — \$10 North America - Silicon Metal and Alloys Delaware - U.S.A Wy Administrating I. C — \$10 North America - Silicon Metal and Alloys A Cordia's Spain Ferroglobe Nanganese France S A.S. — \$100 Europe - Silicon Metal and Alloys A Cordia's Spain Ferroglobe Nanganese France S A.S. — \$100 Europe - Manganese Norway Ferroglobe Nanganese France S A.S. — \$100 Europe - Manganese France Ferroglobe Nanganese France S A.S. — \$100 Europe - Manganese France Ferroglobe Nanganese France S A.S. — \$100 Europe - Manganese France Kintak (France) S A.S. — \$100 Obrespective Medal and Alloys France Kintak A.S. — \$100 Obrespective Medal and Alloys Norway Kintak A.S. — \$100 Sulf Aria Silicon Medal an	OSIP Canada ULC	_	100.0	North America – Silicon Metal	Canada
Öuebee Silkon Limited Partnership — \$10 North America - Silkon Melal Canda Emenses Alloys Company, LLC — 100 North America - Silkon Alloys Delawar - U.S.A WVA Manufacturing, LLC — \$10 Solt America - Silkon Melal Delawar - U.S.A Curarso Industriales, S. AU. — \$99 Europe - Manufacturing, LLC Madrid. Spain Ferrodilatine, S. AU. — \$99 Europe - Manufacturing, LLC Madrid. Spain Ferrodinal Nova P. S. S. — \$99 Europe - Manufacturing, LLC Madrid. Spain Ferrodinal Nova P. S. S. — \$100 Europe - Silkon Melal and Alloys Madrid. Spain Ferrodinal Nova P. S. S. — \$100 Europe - Silkon Melal and Alloys France Grup Ferrodilatinic & S. V. J. — \$100 Europe - Silkon Melal and Alloys Madrid. Spain Grup Ferrodilatinic & S. V. J. — \$100 Europe - Silkon Melal and Alloys Madrid. Spain Grup Ferrodilatinic & S. V. J. — \$100 Europe - Silkon Melal and Alloys Madrid. Spain Grup Ferrodilatinic & S. V. J. — \$100 Europe - Silkon Melal and Alloys Norway Krinick A. S. — \$100		_	51.0		Canada
Temestex Alloys Company, ILC		_	51.0		Canada
West Vignian Alloys, Inc.*		_			
WVA Manufacturing, LLC — \$10 both America — Silcon Metal and Alloys A Corula's Spanin Ferrorafinitica del Cinca, SL — \$995 Lurgo — Manginese Madrid - Span Ferroglich Manginese Neway Neway Ferroglich Stangann Norga A.S. — \$100 Europe — Manginese Neway Ferroglich Stangann Norga A.S. — \$100 Europe — Silcon Metal and Alloys France Ferroglich Stangann Norga A.S. — \$100 Europe — Silcon Metal and Alloys France Ferroglich Stangann Norga A.S. — \$100 Europe — Silcon Metal and Alloys France Ferroglich Stangann Norga A.S. — \$100 Europe — Silcon Metal and Alloys France Ferroglich Stangann Norga A.S. — \$100 Europe — Silcon Metal and Alloys France Ferroglich Stangann Norga A.S. — \$100 Europe — Silcon Metal and Alloys France Ferroglich Stangann Norga A.S. — \$100 Europe — Silcon Metal and Alloys Palocanna Norganna Norg		_			
Carros Industriales, S.A.U.					
Ferronglab Mangan Norga A. S.		_			
Ferroglobe Mangan Norge A.S.					
Ferrophe Manganese Fance S.A.S.		_			
FerroRus A.S.					
Grupp FerroAtlaintica & Servicios, S.L.U.		_			
Grupo FerroAtlaintica de Servicios, S.L.U.		_		Europe – Silicon Metal and Alloys	
Kiniuck AS - 100 Europe - Manganese France Fr	Grupo FerroAtlántica, S.A.U.	_	100.0	Europe – Manganese and Silicon Metal	Madrid - Spain
Kintuck A.S.	Grupo FerroAtlántica de Servicios, S.L.U.	_	100.0	Other segments	Madrid - Spain
Kintuck A.S.	Kintuck (France) S.A.S.	_	100.0	Europe – Manganese	France
Roces, Arcillas y Mimenies, S.A.		_	100.0		Norway
Rebone Mining (Pty.), Ltd.		_			
Silicon Smellers (Pty), Ltd. — 1000 South Africa — Silicon Metal and Alloys Polokwane - South Africa Silicon Technology (Pty), Ltd. — 740 South Africa — Silicon Metal and Alloys Polokwane - South Africa Charzos Industriales de Venezuela, S.A. — 1000 Other segments Venezuela Emix, S.A.S. — 1000 Other segments France Ferroaliantica de Mexico, S.A. de C.V. — 1000 Other segments Neuval Celon - Mexico Ferroaliantica de Venezuela (Ferro Venn), S.A. — 999 Other segments Venezuela Ferroaliantica de Detustshland, Gimbl — 1000 Other segments Venezuela Ferroaliantica de Detustshland, Gimbl — 1000 Other segments Wenezuela Ferroaliantica de Mexico, S.A. de C.V. — 1000 Other segments Wenezuela Ferroaliantica de Mexico, S.A. de C.V. — 1000 Other segments Wenezuela Ferroaliantica de Mexico, S.A. de C.V. — 1000 Other segments Brazil Ferroaliantica de Mexico, S.A. de C.V. — 1000 Other segments United Kingdom Ferroaliantica de Mexico, S.A. de C.V. — 1000		_			Polokwane - South Africa
Silicon Technology (Pty.), Lid. — 100. South Africa — Silicon Metal and Alloys Polokwane – South Africa — Thaba Chueur Mining (Pty.), Lid. — 74. South Africa — Silicon Metal and Alloys Polokwane – South Africa — Silicon Metal and Alloys Polokwa					Polarwane - South Africa
Thaba Chueu Mining (Pty.), Ltd.		_			
Cuarzos Industriales de Venezuela, S.A. — 100. Other segments France Emix, S.A.S. — 100. Other segments Naeva León - Mexico Ferroatlántica de Mexico, S.A. de C.V. — 100. Other segments Naeva León - Mexico Ferroatlántica de Venezuela (FerroVen), S.A. — 100. Other segments Germany Ferroatlántica do Brasil Mineraça Iráda. — 100. Other segments Germany Ferroglobe Holding Company, LTD 100. Other segments United Kingdom Ferroglobe Holding Company, LTD 100. Other segments United Kingdom Ferroglobe Holding S.Ld. (Hong Kong) — 90. Other segments Mauritania Ferroquartz Mauritania S.A.R.L. — 90. Other segments Mauritania Ferrogloar P.CO Group S.L. — 90. Other segments Mauritania Ferrosolar R.D.S.L. — 90. Other segments Spain Ferrosolar R.D.S.L. — 100. Other segments Spain Ferrosolar R.D.S.L.					
Emis, S.A.S. — 100. Other segments France Ferroatlatitica de Wenzoula (FerroVen), S.A. — 999 Other segments Venezuela Ferroatlatitica de Venzuela (FerroVen), S.A. — 999 Other segments Venezuela Ferroatlatitica de Brasil Mineraçao Lida. — 700. Other segments Brazil Ferroglobe Holding Company, RLTD 100. Other segments United Kingdom Ferroglobe Finance Company, PLC — 100. Other segments United Kingdom Ferrodolariza, End (Hong Kong) — 100. Other segments Muritaria Ferroquatz Holdings, Ltd. (Hong Kong) — 100. Other segments Muritaria Ferrosolar A&D S.L. — 100. Other segments Muritaria Ferrosolar A&D S.L. — 100. Other segments Spain Ferrosolar A&D S.L. — 90. Other segments Spain Ferrosolar A&D S.L. — 90. Other segments Burkina Faso Gob Segments — 100. <td>I naba Chueu Mining (Pty.), Ltd.</td> <td>_</td> <td></td> <td></td> <td></td>	I naba Chueu Mining (Pty.), Ltd.	_			
Ferroalfatrica de Mexico, S.A. de C.V.					
Ferroalfantica de Venezuela (FerroVen), S.A.		_			
Ferroalfatrica Deutschland, GmbH		_			
Ferroglath Idlaing Company, LTD		_			
Ferroglobe Holding Company, LTD		_			
Ferrodiagnance Company, P.C		_			
Ferrodianganes Mauritania S.A.R.L.	Ferroglobe Holding Company, LTD	100	100.0	Other segments	United Kingdom
Ferrodukt Medidings, Let (Hong Kong — 90.0 Other segments Hong Kong	Ferroglobe Finance Company, PLC	_	100.0		
Ferroquartz Holdings, Ltd. (Hong Kone)		_			
Ferroslar (Por Group St. - 90. Other segments Spain	Ferroquartz Holdings Ltd (Hong Kong)	_			
Ferrosolar QPCO Group S.L.		_			
Ferro Sarla R&D S.L.		_			
Ferro Tambao, S.A.R.L.		_			
Globe Metales S.R.L.					
Globe Specialty Metals, Inc.		_			
GSM Financial, Inc. - 100. Other segments Delaware - U.S.A					
GSM Netherlands, B. V. — 100.0 Other segments Netherlands Hidroelectricité de Saint Beron, S.A. S. — 100.0 Other segments France Mangshi Ferro Alfantica Mining Industry Service Company Limited — 100.0 Other segments Mangshi, Dehong - Yunnan - China Ningxia Towey Coal Industrial Co., Ltd. — 98.0 Other segments China Photosi Industries, S.A.S. — 100.0 Other segments France Ferroglobe Innovation, S.L.U — 100.0 Other segments Spain Solsil, Inc. — 94.0 Other segments Delaware - U.S.A		_			
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	Omneone Lines J. O. L.	_	100.0	Other Segments	

Subsidiaries are all companies over which Ferroglobe has control.

Control is achieved when the Company:

- · has power over the investee;
- \cdot $\;$ is exposed, or has rights, to variable returns from its involvement with the investee; and
- \cdot $\;$ has the ability to use its power over the investee to affect the amount of the investor's returns.

The Company has power over the investee when the voting rights are sufficient to give it the practical ability to direct the relevant activities of the investee unilaterally. The Company considers all relevant facts and circumstances in assessing whether or not the Company's voting rights in an investee are sufficient to give it power, including:

- the total voting rights held by the Company relative to the size and dispersion of holdings of the other vote holders;
- · potential voting rights held by the Company, other vote holders or other parties;
- · rights arising from other contractual arrangements; and
- any additional facts and circumstances that indicate that the Company has, or does not have, the current ability to direct the relevant activities at the time these decisions need to be made, including voting patterns at previous shareholders' meetings.

Consolidation of a subsidiary begins when the Company obtains control over the subsidiary and ceases when the Company loses control of the subsidiary.

The Company uses the acquisition method to account for the acquisition of subsidiaries. According to this method, the consideration transferred for the acquisition of a subsidiary corresponds to the fair value of the assets transferred, the liabilities incurred and the equity interests issued by the Company. The consideration transferred also includes the fair value of any asset or liability resulting from a contingent consideration arrangement. Any contingent consideration transferred by the Company is recognized at fair value at the date of acquisition. Subsequent changes in the fair value of the contingent consideration classified as an asset or a liability are recognized in accordance with IFRS 9 in the consolidated income statements. The costs related to the acquisition are recognized as expenses in the years incurred. The identifiable assets acquired and the liabilities and contingent liabilities assumed in a business combination are initially recognized at their fair value at the date of acquisition.

Non-controlling interests in the subsidiaries' equity and results are shown separately in the consolidated statements of financial position, consolidated income statements, consolidated statements of comprehensive income and consolidated statements of changes in equity. Additionally, the Company attributes total comprehensive income (loss) to the Parent of the Company and to the non-controlling interests even if the profit or loss of the non-controlling interests gives rise to a balance receivable.

Accounting policies of subsidiaries are consistent with the policies adopted by the Company. Should differences arise, an adjustment is performed in the consolidation process. All assets and liabilities, equity, income, expenses and cash flows relating to transactions between subsidiaries are eliminated in full in consolidation.

3. Basis of presentation

3.1 Basis of presentation

Statement of compliance

The consolidated financial statements have been prepared in accordance with UK-adopted International accounting Standards (IFRS). These consolidated financial statements were approved for issue by the Board of Directors on May 20, 2024.

All accounting policies and measurement bases with effect on the consolidated financial statements were applied in their preparation.

To support its assessment of the going concern basis of accounting, management has prepared a cash-flow model which considers the revenues, expenditures, cash flows, net tax payments and capital expenditures for a period of at least one year from the date of approval of these financial projections to determine these future cash flows are modelled considering the principal variables that impact the cash flows at a Group level including prices, volumes, costs, capital expenditures, net working capital and debt repayment as set out in Note 32. These projections are based on the 2024 annual budget. Key assumptions include estimates on the Company's EBITDA. Sensitivities have been run, including severe but plausible downside scenario with reductions on the base case EBITDA for the going concern assessment period, to reflect the key risks and uncertainties pertaining to the marker forecasts of pricing and volumes impacting the cash flow projections.

Ferroglobe's primary short-term liquidity needs are to fund its capital expenditure commitments, fund specific initiatives underlying the strategic plan, service its existing debt, fund working capital and comply with other contractual obligations. Ferroglobe's long-term liquidity needs primarily relate to debt servicing and repayment. Ferroglobe's core objective with respect to capital management is to maintain a balanced and sustainable capital structure through the economic cycles, while keeping the cost of capital at competitive levels. We believe our working capital along with the undrawn ABL facility amount of \$100 million (see note 16) is sufficient for our present requirements, and we anticipate generating sufficient cash from operations to satisfy our liquidity needs in the going concern assessment period.

Consequently, the directors are confident that the Group and Company will have sufficient funds to continue to meet its liabilities as they fall due for at least 12 months from the date of approval of the financial statements and therefore have prepared the financial statements on a going concern basis.

Basis of measurement

The consolidated financial statements were prepared on a historical cost basis, with the exceptions disclosed in the notes to the consolidated financial statements, where applicable, and in those situations where IFRS requires that financial assets and financial liabilities are valued at fair value.

3.2 Accounting policies, new standards, interpretations and amendments adopted by the Company

There are no new IFRS standards, amendments or interpretations that are mandatory as of January 1, 2023 that are materially relevant to the Company. Additionally, the Company has not adopted any standard, interpretation or amendment that has been issued but is not yet effective. Such standards are not currently expected to have a material impact on the entity in the current or future reporting periods and on foreseeable future transactions.

3.3 Functional and reporting currency

Items included in the financial statements of each of the Company's entities are measured using the currency of the primary economic environment in which each entity operates ("the functional currency"). The Company's consolidated financial statements are presented in US Dollars, which is the Parent Company's functional currency and the Company's reporting currency.

Foreign currency transactions are initially recorded by each of the Company's entities at their respective functional currency spot rates at the date the transaction is recognized. Foreign exchange gains and losses resulting from the settlement of such transactions and from the translation of monetary assets and liabilities denominated in foreign currencies at the functional currency spot rates at the end of each reporting period are recognized in the consolidated income statements. Non-monetary items that are measured at historical cost in a foreign currency are translated using the exchange rates at the dates of the initial transaction. Translation differences on assets and liabilities carried at fair value are reported as part of the fair value gain or loss.

The results of operations and financial position of the Company's entities that have a functional currency different from the Company's reporting currency are translated into the reporting currency as follows:

- Assets and liabilities for each consolidated statement of financial position presented are translated at the closing rate at the date of the consolidated statement of financial position;
- · Income and expenses for each income statement are translated at average exchange rates; and
- · All differences arising from the aforementioned translation are recognized in equity under "Translation differences."

The Parent Company changed its functional currency from the Euro to USD on October 1, 2021. The change in functional currency coincided with management's review of a growing number of transactions denominated in USD instead of Euros.

The change in functional currency was implemented prospectively starting October 1, 2021 in accordance with IAS 21 The effect of changes in foreign exchange rates.

Upon the disposal of a foreign operation, the translation differences relating to that operation deferred as a separate component of consolidated equity are recognized in the consolidated income statements when the gain or loss on disposal is recognized.

3.4 Critical accounting estimates, assumptions and judgments

The preparation of the Company's consolidated financial statements in conformity with IFRS requires management to make estimates, assumptions and judgments that affect the application of accounting policies and the reported amounts of assets, liabilities, income, expenses, and the accompanying disclosures at the date of the consolidated financial statements. Critical estimates, assumptions and judgments, by definition, will seldom equal the actual results and are continually evaluated to reflect changing expectations about future events. Management also needs to exercise judgment in applying the Company's accounting policies.

This note provides an overview of the areas that involve a higher degree of judgment or complexity, and of items which are more likely to be materially adjusted due to estimates and assumptions turning out to be wrong due to their uncertainty. Detailed information about each of these estimates, assumptions and judgments is included in other notes together with information about the basis of calculation for each affected item in the financial statements.

Certain estimates, assumptions and judgments that were made by management in the preparation of these consolidated financial statements, include:

- the impairment analysis on property, plant and equipment, including the assumptions used to determine estimated recoverable amount, determined by value in use or by fair value less cost of disposal methods, see Note 8:
- · income taxes, including the recoverability of deferred tax assets; see Note 24;

The Company based its estimates, assumptions and judgments on historical experience, known or expected trends and other factors that are believed to be reasonable under the circumstances. Actual results may differ materially from these estimates as we are subject to risks and uncertainties that may cause actual results to differ from estimated amounts, such as changes in prices. Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimates are revised and in any future periods affected.

There may be circumstances when judgment is required, such as to determine when control of the goods or services passes to the customer for revenue recognition, see Note 4.17. We have also applied judgment in our determination that we have control of our QSLP and WVA partnerships. See Note 12.

As of the date of these consolidated financial statements, no material events have occurred which impact the Company's estimates, assumptions or judgements used in determining our accounting considerations.

3.5 Basis of consolidation

The annual closing date of the financial statements for each consolidated subsidiary is December 31. The Company fully consolidates subsidiaries financial statements that it is deemed to control into these consolidated financial statements. All intercompany transactions have been eliminated.

Non-controlling interests are presented in "Equity – Non-controlling interests" in the consolidated statements of financial position, separately from the consolidated equity attributable to the Parent. The share of non-controlling interests in the profit or loss for the year is presented under "Profit (loss) attributable to non-controlling interests" in the consolidated income statements.

When necessary, adjustments are made to the financial statements of subsidiaries to align the accounting policies used to the accounting policies of the Company.

4. Accounting policies

The principle IFRS accounting policies described below were applied in preparing these consolidated financial statements.

4.1 Goodwill

Goodwill represents the excess of the cost of acquisition over the Company's interest in the fair value of the identifiable assets and liabilities of a subsidiary at the date of acquisition. Goodwill is not amortized.

When an operation to which goodwill relates is disposed of, the part of the carrying amount of goodwill that has been allocated to the respective cash-generating unit is included in calculating the gain or loss on disposal.

4.2 Intangible assets

Acquired and internally generated intangible assets are recognized pursuant to IAS 38 Intangible Assets if a future economic benefit will flow to the entity from the use of the asset and the cost of the asset can be reliably determined.

Intangible assets with finite useful lives are carried at cost less accumulated amortization and accumulated impairment losses, if any. Amortization is recognized on a straight-line basis over an asset's estimated useful life. The estimated useful life and amortization method are reviewed at each balance sheet date, with the effect of any changes in estimate being accounted for on a prospective basis. Intangible assets that are subject to amortization are reviewed for impairment at least annually or whenever events or changes in circumstances indicate that the carrying amount may not be recoverable.

Intangible assets with indefinite useful lives are not amortized but are tested for impairment annually or more frequently when circumstances indicate that the carrying value may not be recoverable.

The Company's intangible assets with definite useful lives are as follows:

Development expenditures

Development expenditures are capitalized if they meet the requirements of identifiability, reliability in cost measurement and it is probable that the assets created will generate economic benefits. Developmental expenditures are amortized on a straight-line basis over the useful lives of the assets, which are between four and 10 years.

Expenditures on research activities are recognized as expenses in the years in which they are incurred.

Power supply agreements

Power supply agreements at rates below market acquired in business combinations are amortized on a straight-line basis over the term in which the agreement is effective.

Rights of use

Rights of use granted related to mining concessions are amortized on a straight-line basis over the term in which the right of use was granted from the date it is considered that use commenced. Rights of use are generally amortized over a period ranging from 10 to 20 years.

Computer software

Computer software includes the costs incurred in acquiring or developing computer software, including the related installation. Computer software is amortized on a straight-line basis from two to five years.

Computer system maintenance costs are recognized as expenses in the years in which they are incurred.

The Company's other intangible assets with indefinite useful lives are as follows:

Carbon dioxide emissions allowances

The Company's carbon dioxide emissions allowances ("rights held to emit greenhouse gasses") are intangible assets that are expensed as the allowance is used. Emissions allowances received from the Government are initially measured at fair value, which is determined based on the market price of allowances traded on the platform at that date. Emissions allowances purchased on the trading platform are initially measured at cost (see *Note 4.21*).

4.3 Property, plant and equipment

Cost

Property, plant and equipment are initially recognized at acquisition or production cost and are subsequently measured at acquisition or production cost less accumulated depreciation and any accumulated impairment losses.

The costs of expansion, modernization or improvements leading to increased productivity, capacity or efficiency or to a lengthening of the useful lives of the assets are capitalized. Repair, upkeep and maintenance expenses are recognized in the consolidated income statements for the years in which they are incurred.

Mineral reserves are recorded at fair value at the date of acquisition. Depletion of mineral reserves is computed using the units-of-production method utilizing only proven and probable reserves (as adjusted for recoverability factors) in the depletion base.

Property, plant and equipment in the course of construction are transferred to property, plant and equipment in use at the end of the related development period.

Depreciation

The Company depreciates property, plant and equipment using the straight-line method at annual rates based on the following years of estimated useful life:

	Years of
	Estimated
	Useful
	Life
Buildings	25-50
Plant and machinery	8-20
Tools	12.5-15
Other fixtures and furniture	10-15
Computer hardware	4-8
Transport equipment	10-15

Depreciation begins when the asset is ready for its intended use.

Land included within property, plant and equipment is considered to be an asset with an indefinite useful life and, as such, is not depreciated, but rather it is tested for impairment annually. The Company reviews residual value, useful lives, and the depreciation method for property, plant and equipment annually.

Environment

The costs arising from the activities aimed at protecting and improving the environment are accounted for as an expense for the year in which they are incurred. When they represent additions to property, plant and equipment aimed at minimizing the environmental impact and protecting and enhancing the environment, they are capitalized to non-current assets.

4.4 Impairment of goodwill and long-lived assets (property, plant and equipment, intangible assets, right-of-use assets)

The Company completes its impairment testing for goodwill at least annually or as impairment indicators arise throughout the year. The Company completes its impairment testing for long-lived assets as impairment indicators arise. When necessary, we record impairments of goodwill and long-lived assets for the amount by which the recoverable amount is less than the carrying value of these assets.

Where the asset itself does not generate cash flows that are independent from other assets, the Company estimates the recoverable amount of the cash-generating unit (CGU) to which the asset belongs. Goodwill arising from a business combination is allocated to CGUs or groups of CGUs that are expected to benefit from the synergies of the combination.

Recoverable amount is the higher of:

- · Fair value less costs of disposal: the price that would be agreed upon by two independent parties, less estimated costs to sell; and
- · Value in use: the present value of the future cash flows that are expected to be derived from continuing use of the asset and from its ultimate disposal at the end of its useful life, discounted at a rate which reflects the time value of money and the risks specific to the business to which the asset belongs.

If the recoverable amount of an asset (or cash-generating unit) is less than its carrying amount, the carrying amount of the asset is reduced to its recoverable amount, and an impairment loss is recognized as an expense under "Impairment (loss) gain" in the consolidated income statements.

Where an impairment loss subsequently reverses (not permitted in the case of goodwill), the carrying amount of the asset is increased to the revised estimate of its recoverable amount, but so that the increased carrying amount does not exceed the carrying amount that would have been determined had no impairment loss been recognized for the asset in prior years. A reversal of an impairment loss is recognized as "Impairment (loss) gain" in the consolidated income statements.

The basis for depreciation is the carrying amount of the assets, deemed to be the acquisition cost less any accumulated impairment losses.

4.5 Financial instruments

Financial assets and financial liabilities are recognized in the Company's consolidated statements of financial position when the Company becomes a party to the contractual provisions of the instrument.

Financial assets and financial liabilities are initially measured at fair value. Transaction costs that are directly attributable to the acquisition or issue of financial assets and financial liabilities (other than financial assets and financial liabilities at fair value through profit or loss) are added to or deducted from the fair value of the financial assets or financial liabilities, on initial recognition. Transaction costs directly attributable to the acquisition of financial assets or financial liabilities at fair value through profit or loss are recognized immediately in profit or loss on the consolidated income statements.

Financial assets

The Company classifies its financial assets into the following categories: (i) those measured subsequently at fair value through profit or loss or (ii) those to be measured at amortized cost. The classification depends on the entity's business model for managing the financial assets and the contractual terms of the cash flows.

Financial assets measured at fair value through profit or loss.

Financial assets are classified as measured at fair value through profit or loss when the asset does not meet the criteria to be measured at amortized cost or at fair value through other comprehensive income. Such assets are carried on the consolidated statements of financial position at fair value with gains or losses recognized in the consolidated income statements.

Financial assets measured at amortized cost

Financial assets are classified as measured at amortized cost when they are held in a business model whose objective is to collect contractual cash flows and the contractual terms of the financial asset give rise on specific dates to cash flows that are solely payments of principal amount outstanding. Such assets are carried at amortized cost using the effective interest method. Gains and losses are recognized in profit or loss when the assets are derecognized or impaired and when interest is recognized using the effective interest method. This category of financial assets includes trade receivables, receivables from related parties and cash and cash equivalents.

Derecognition of financial assets

The Company derecognizes a financial asset when:

- the rights to receive cash flows from the asset have expired; or
- the Company has transferred its rights to receive cash flows from the asset or has assumed an obligation to pay the received cash flows in full without material delay to a third party under a 'pass-through' arrangement; and either (a) the Company has reinter transferred nor retained substantially all the risks and rewards of the asset, but has transferred control of the asset.

On derecognition of a financial asset in its entirety, the difference between the asset's carrying amount and the sum of the consideration received and receivable is recognized in profit or loss.

If the Company retains substantially all of the risks and rewards of ownership of a transferred financial asset, the Company continues to recognize the financial asset and also recognizes a collateralized borrowing for the proceeds received.

Impairment of financial assets

The expected credit loss model is applied for recognition and measurement of impairments in financial assets measured at amortized cost and debt instruments held at fair value through other comprehensive income. The loss allowance for the financial asset is measured at an amount equal to the 12-month expected credit losses. If the credit risk on the financial asset has increased significantly since initial recognition, the loss allowance for the financial asset is measured at an amount equal to the lifetime expected credit losses. Changes in loss allowances are recognized in profit and loss. For trade and other receivables, a simplified impairment approach is applied recognizing expected lifetime losses from initial recognition. For this purpose, the Company has established a provision matrix that is based on its historical credit loss experience, adjusted for forward-looking factors specific to the debtors and the economic environment.

The Company writes off a financial asset when there is information indicating that the debtor is in severe financial difficulty and there is no realistic prospect of recovery, such as when the debtor has been placed under liquidation or has entered into bankruptcy proceedings, or in the case of trade receivables, when the amounts are over two years past due, whichever occurs sooner. Financial assets written off may still be subject to enforcement activities under the Company's recovery procedures, considering legal advice where appropriate. Any recoveries made are recognized in profit or loss.

Accounts receivable factoring

As part of its regular operations and in case of immediate cash needs, the Company can sell its trade receivables (i.e., invoices) to a third party (factor) at a discount. The Company analyzes whether these transactions are with recourse or without recourse and applies the derecognition criteria in IFRS 9 to assess whether the arrangement transfers substantially all risks and rewards to the factor. For arrangements with recourse, where substantially all risks and rewards have not been transferred, the cash received from the factor is accounted for as a secured borrowing. In the case of arrangements with recourse, the transferred assets are not derecognized.

For those recorded as with recourse, the borrowings from the receivable factoring facility are short-term in nature and therefore their carrying amount is considered to approximate their fair value. For those considered without recourse, the Company derecognizes the trade receivable and does not record a related borrowing.

Cash flows from factoring with recourse of accounts receivable are classified as financing cash flows within the consolidated statements of cash flows.

Cash flows from factoring without recourse of accounts receivable are classified as operating cash flows within the consolidated statements of cash flows.

Financial liabilities

The subsequent measurement of financial liabilities depends on their classification, as described below:

Financial liabilities measured at fair value through profit or loss

Financial liabilities measured at fair value through profit or loss are carried on the consolidated statements of financial position at fair value with gains or losses recognized in the consolidated income statements. This category includes contingent consideration and derivatives, other than those designated as hedging instruments in an effective hedge.

Financial liabilities measured at amortized cost

This category comprises all other financial liabilities, including bank borrowings, debt instruments, financial loans from government agencies, payables to related parties and trade and other payables.

After initial recognition, other financial liabilities are subsequently measured at amortized cost using the effective interest method. Amortized cost is calculated by considering any issue costs and any discount or premium on settlement.

Derecognition of financial liabilities

The Company derecognizes financial liabilities when, and only when, the Company's obligations are discharged, cancelled or have expired. The difference between the carrying amount of the financial liability derecognized and the consideration paid and payable is recognized in profit or loss in the consolidated income statements. When the Company exchanges with the existing lender one debt instrument with another one with substantially different terms, such exchange is accounted for as an extinguishment of the original financial liability and the recognition of a new financial liability. Similarly, the Company accounts for substantial modification of terms of an existing liability or part of it as an extinguishment of the original financial liability and the recognition of a new liability. It is assumed that the terms are substantially different if the discounted present value of the cash flows under the new terms, including any fees paid net of any fees received and discounted using the original effective rate is at least 10 per cent different from the discounted present value of the remaining cash flows of the original financial liability. If the modification is not substantial, the difference between the carrying amount of the liability before the modification and the present value of the cash flows after modification are recognized in profit or loss as a modification gain or loss.

4.6 Derivative financial instruments and hedging activities

In order to mitigate the economic effects of exchange rate and interest rate fluctuations to which it is exposed as well as variability in the price of power, the Company uses derivative financial instruments, such as cross currency swaps, interest rate swaps and power purchase agreements.

The Company's derivative financial instruments are detailed in Note 20 to these consolidated financial statements and the Company's financial risk management policies are detailed in Note 29.

Derivatives are initially recognized at fair value at the date a derivative contract is entered into and are subsequently remeasured to their fair value at each balance sheet date. The resulting gain or loss is recognized in the consolidated income statements immediately unless the derivative is designated and effective as a hedging instrument, in which event the timing of the recognition of profit or loss depends on the nature of the hedge relationship. As of December 31, 2023 and 2022, the Company had no derivative instruments that were not classified as hedging instruments, respectively.

Derivatives are recorded as either "other financial assets" or "other financial liabilities" depending on their respective fair value positions at each balance sheet date. A derivative is presented as a non-current asset or non-current liability if the remaining maturity of the instrument is more than 12 months from the date of the statements of financial position and it is not expected to be realized or settled within 12 months.

Hedge accounting

The Company designates certain derivatives as cash flow hedges. For further details, see Note 20.

At the inception of the hedging relationship, the Company documents the relationship between the hedging instrument and the hedged item, along with its risk management objectives and its strategy for undertaking the hedge transaction. Effectiveness of the hedging relationship needs to be assessed on an ongoing basis. Effectiveness tests are performed prospectively at inception and at each reporting date. The Company reviews to ensure that:

- there is an economic relationship between the hedged item and the hedging instrument;
- the effect of credit risk does not dominate the value changes that result from that economic relationship; and
- the hedge ratio of the hedging relationship is the same as that resulting from the quantity of the hedged item that the Company actually hedges and the quantity of the hedging instrument that the Company uses to hedge that quantity of hedged item.

The effective portion of changes in the fair value of derivatives that are designated and qualify as cash flow hedges is recognized in the consolidated statements of other comprehensive income (loss). The gain or loss relating to any ineffective portion is recognized immediately in consolidated income statements and is included in "Raw materials and energy consumption for production".

Amounts previously recognized in other comprehensive income and accumulated in equity in the valuation adjustments reserve are reclassified to the consolidated income statements in the periods when the hedged item is recognized in profit or loss, in the same line of the income statement as the recognized hedged item.

Hedge accounting is discontinued when the hedging instrument expires or is sold, terminated, or exercised, or no longer qualifies for hedge accounting. Any gain or loss recognized in other comprehensive income at that time is accumulated in equity and is recognized when the forecast transaction is ultimately recognized in the consolidated income statements. When a forecast transaction is no longer expected to occur, the gain or loss accumulated in equity is recognized immediately in the consolidated income statements.

4.7 Fair value measurement

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fair value measurement is based on the presumption that the transaction to sell the asset or transfer the liability takes place either: (i) in the principal market for the asset or liability or (ii) in the absence of a principal market, in the most advantageous market for the asset or liability.

The fair value of an asset or a liability is measured using the assumptions that market participants would use when pricing the asset or liability, assuming that market participants act in their economic best interest.

The Company uses valuation techniques that are appropriate in the circumstances and for which sufficient data are available to measure fair value, maximizing the use of relevant observable inputs and minimizing the use of unobservable inputs.

All assets and liabilities for which fair value is measured or disclosed in the financial statements are categorized within the fair value hierarchy, described as follows, based on the lowest level input that is significant to the fair value measurement as a whole:

 $\cdot \quad \text{Level 1} - \text{Quoted (unadjusted) market prices in active markets for identical assets or liabilities}.$

- · Level 2 Valuation techniques for which the lowest level input that is significant to the fair value measurement is directly or indirectly observable.
- Level 3 Valuation techniques for which the lowest level input that is significant to the fair value measurement is unobservable.

For those assets and liabilities measured at fair value at the balance sheet date, further information on fair value measurement is provided in Note 30.

4 & Inventories

Inventories comprise assets (goods) which:

- · Are held for sale in the ordinary course of business (finished goods); or
- · Are in the process of production for such sale (work in progress); or
- · Will be consumed in the production process or in the rendering of services (raw materials and spare parts).

Inventories are stated at the lower of cost and net realizable value. The cost of each inventory item is generally calculated as follows:

- · Raw materials, spare parts and other consumables and replacement parts: the lower of weighted average acquisition cost and net realizable value
- · Work in progress, finished goods and semi-finished goods: the lower of production cost (which includes the cost of materials, labor costs, direct and indirect manufacturing expenses) or net realizable value in the market

Obsolete, defective or slow-moving inventories have been reduced to net realizable value.

Net realizable value is the estimated selling price less all the estimated costs of selling and distribution.

The amount of any write-down of inventories (as a result of damage, obsolescence or decrease in the selling price) to their net realizable value and all losses of inventories are recognized as expenses in the year in which the write-down or loss occurs. Any subsequent reversals are recognized as income in the year in which they arise.

The consumption of inventories is recognized as an expense in "Raw Materials and energy consumption for production" in the consolidated income statements in the period in which the revenue from their sale is recognized.

4.9 Raw materials and energy consumption for production

Raw materials and energy consumption for production comprise raw materials, energy, other direct costs, inventory write-downs and changes in inventory.

4.10 Cash and cash equivalents

The Company classifies under "Cash and cash equivalents" any liquid financial assets, such as for example cash on hand and at banks, deposits and liquid investments, that can be converted into known amounts of cash within three months and are subject to an insignificant risk of changes in value.

4.11 Restricted cash and cash equivalents

The Company classifies under "restricted cash and cash equivalents" any liquid financial assets, which meet the definition of cash and cash equivalents but the use or withdrawal is restricted by financial agreements.

Restrictions may include legally restricted deposits held as compensating balances against short-term borrowing arrangements and/or contracts entered into with others; however, time deposits and short-term certificates of deposit are not included in legally restricted deposits. In cases where compensating balance arrangements exist but are not agreements which legally restrict the use of cash amounts shown on the consolidated statements of financial position, those arrangements and the amount involved are disclosed in the notes. Compensating balances that are maintained under an agreement to assure future credit availability are also disclosed in the notes.

As discussed in Note 31, certain of the Company's credit agreements restrict the transfer of assets in the form of loans or dividends to other affiliates. The amount of cash and cash equivalents in subsidiaries subject to such restrictions amounted to \$90,955 as of December 31, 2023 (\$253,085 as of December 31, 2022) and is not presented as Restricted cash and equivalents in the balance sheet because it can be withdrawn or used except for transfers to affiliates.

4.12 Provisions and contingencies

When preparing the consolidated financial statements, the Company distinguishes between:

- · Provisions: present obligations, either legal, contractual, constructive or assumed by the Company, arising from past events, the settlement of which is expected to give rise to an outflow of economic benefits the amount or timing of which are uncertain; and
- · Contingent liabilities: possible obligations that arise from past events and whose existence will be confirmed only by the occurrence or non-occurrence of one or more future events not wholly within the control of the Company, or present obligations arising from past events the amount of which cannot be estimated reliably or whose settlement is not likely to give rise to an outflow of economic benefits.

Contingent assets are possible assets that arise from past events and whose existence will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the entity.

The consolidated financial statements include all the material provisions with respect to which it is considered that it is probable that the obligation will have to be settled. Contingent liabilities are not recognized in the consolidated financial statements, but rather are disclosed in accordance with IAS 37 (see *Note 26*).

Provisions are classified as current when there is not an unconditional right to defer settlement for at least 12 months after the reporting date. They are recognized when the liability or obligation giving rise to the indemnity or payment arises, to the extent that its amount can be estimated reliably.

"Provisions" include (i) the provisions for pension and similar obligations assumed; (ii) provisions for contingencies and charges, such as for example those of an environmental nature and those arising from litigation in progress or from outstanding indemnity payments or obligations, and collateral and other similar guarantees provided by the Company; (iii) provisions for medium- and long-term employee incentives; and (iv) provisions for taxes

Contingent assets are not recognized, but are disclosed where an inflow of economic benefits is probable. If it has become virtually certain that an inflow of economic benefits will arise, the asset and the related income are recognized in the consolidated financial statements in the period in which the change occurs.

Defined contribution plans

Certain employees have defined contribution plans which are applicable to local regulations. The main features of these plans are as follows:

- · They are mixed plans covering the benefits for retirement, disability and death of the participants.
- · The sponsor undertakes to make monthly contributions of certain percentages of current employees' salaries to external pension funds.

The annual cost of these plans is recognized within "Staff costs" on the consolidated income statements.

Defined benefit plans

IAS 19 Employee Benefits requires defined benefit plans to be accounted for:

- · Using actuarial techniques to make a reliable estimate of the amount of benefits that employees have earned in return for their service in the current and prior periods;
- · Discounting those benefits in order to determine the present value of the obligation;
- · Determining the fair value of any plan assets; and
- · Determining the total amount of actuarial gains and losses and the amount of those actuarial gains and losses that must be recognized.

The amount recognized as a benefit liability arising from a defined benefit plan is the total net result of:

- · The present value of the obligations
- · Minus the fair value of plan assets (if any) out of which the obligations are to be settled directly.

The Company recognizes provisions for these benefits as the related rights vest and on the basis of actuarial studies. These amounts are recognized under "Provisions" in the consolidated statements of financial position on the basis of their expected payment due dates.

Environmental provisions

Provisions for environmental obligations are estimated by analyzing each case separately and observing the relevant legal provisions. The best possible estimate is made on the basis of the information available and a provision is recognized provided that the aforementioned information suggests that it is probable that the loss or expense will arise and it can be estimated in a sufficiently reliable manner.

The balance of provisions and disclosures disclosed in Note 15 reflects management's best estimation of the potential exposure as of the date of preparation of these consolidated financial statements.

4.13 Leases

The Company assesses if a contract is or contains a lease at inception of the contract. A contract is or contains a lease if the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration.

The Company recognizes a right-of-use asset and a lease liability at the commencement date.

The estimated lease term by right-of-use asset categories are as follows:

	Estimated
	Useful
	Life
Leased Land and Buildings	5-50
Leased Plant and Machinery	1-37

Years of

The lease liability is initially measured at the present value of the minimum future lease payments, discounted using the interest rate implicit in the lease, or, if not readily determinable, the incremental borrowing rate. Lease payments include fixed payments, variable payments that depend on an index or rate, as well as any extension or purchase options, if the Company is reasonably certain to exercise these options. The lease liability is subsequently measured at amortized cost using the effective interest method and remeasured with a corresponding adjustment to the related right-of-use asset when there is a change in future lease payments.

The right-of-use asset comprises, at inception, the initial lease liability, any initial direct costs and, when applicable, the obligations to refurbish the asset, less any incentives granted by the lessors. The right-of-use asset is subsequently depreciated, on a straight-line basis, over the lease term or, if the lease transfers the ownership of the underlying asset to the Company at the end of the lease term or, if the cost of the right-of-use asset reflects that the lessee will exercise a purchase option, over the estimated useful life of the underlying asset. Right-of-use assets are also subject to testing for impairment if there is an indicator for impairment.

Variable lease payments not included in the measurement of the lease liabilities are expensed to the consolidated income statements in the period in which the events or conditions which trigger those payments

In the consolidated statements of financial position, right-of-use assets and lease liabilities are classified, respectively, as part of property, plant and equipment and current and non-current lease liabilities

4.14 Current assets and liabilities

In general, assets and liabilities that are expected to be settled or fall due within 12 months from the end of the reporting period are classified as current items and those which fall due or will be settled after more than 12 months are classified as non-current items.

4.15 Income taxes

Income tax expense represents the sum of current tax and deferred tax. Income tax is recognized in the consolidated income statements except to the extent that it relates to items recognized in other comprehensive income or directly in equity, in which case the related tax is recognized in other comprehensive income or directly in equity.

The current income tax expense is based on domestic and international statutory income tax rates in the tax jurisdictions where the Company operates related to taxable profit for the period. The taxable profit differs from net profit as reported in the consolidated income statements because it is determined in accordance with the rules established by the applicable tax authorities which includes temporary differences, permanent differences, and available credits and incentives.

The Company's deferred tax assets and liabilities are provided on temporary differences at the balance sheet date between financial reporting and the tax basis of assets and liabilities, then applying enacted tax rates expected to be in effect for the year in which the differences are expected to reverse. Deferred tax assets are recognized for deductible temporary differences, including carry-forward of unused tax credits and losses, to the extent that it is probable, that taxable profit will be available against which the deductible temporary difference and carryforwards of unused tax credits and losses can be utilized.

The deferred tax assets and liabilities that have been recognized are reassessed at the end of each closing period in order to ascertain whether they still exist, and adjustments are made on the basis of the findings of the analyses performed.

Income tax payable is the result of applying the relevant tax rate in force to each tax-paying entity, in accordance with the tax laws in force in the country in which the entity is registered. Additionally, tax deductions and credits are available to certain entities, primarily relating to inter-company trades and tax treaties between various countries to prevent double taxation.

Deferred tax assets and liabilities are offset only when there is a legally enforceable right to set off current tax assets against current tax liabilities and when the deferred tax assets and liabilities relate to income taxes levied by the same taxation authority or either the same taxable entity or different taxable entities where there is an intention to settle the current tax assets and liabilities on a net basis or to realize the assets and settle the liabilities simultaneously.

4.16 Foreign currency transactions

Foreign currency transactions are initially recognized in the functional currency of the subsidiary by applying the exchange rates prevailing at the date of the transaction.

Subsequently, at each reporting date, assets and liabilities denominated in foreign currencies are translated to dollars at the rates prevailing on that date

Any exchange differences arising on settlement or translation at the closing rates of monetary items are recognized in the consolidated income statements for the related years.

Note 4.6 details the Company's accounting policies for derivative financial instruments. Also, Note 29 to these consolidated financial statements details the Company's financial risk policies.

4.17 Revenue recognition

The Company recognizes sales revenue related to the transfer of promised goods or services when control of the goods or services passes to the customer. The amount of revenue recognized reflects the consideration to which the Company is or expects to be entitled in exchange for those goods or services.

In the Company's electrometallurgy business, revenue is principally generated from the sale of goods, including silicon metal and silicon- and manganese-based specialty alloys. The Company mainly satisfies its performance obligations at a point in time; the amounts of revenue recognized relating to performance obligations satisfied over time are not significant. The point in time at which control is transferred to the buyer is determined based on the agreed delivery terms, which follow Incoterms 2023 issued by International Chamber of Commerce.

In most instances, control passes and sales revenue is recognized when the product is delivered to the vessel or vehicle on which it will be transported, the destination port or the customer's premises. There may be circumstances when judgment is required based on the five indicators of control below.

- The customer has the significant risks and rewards of ownership and has the ability to direct the use of, and obtain substantially all of the remaining benefits from, the goods or service.
- · The customer has a present obligation to pay in accordance with the terms of the sales contract.
- The customer has accepted the asset. Sales revenue may be subject to adjustment if the product specification does not conform to the terms specified in the sales contract, but this does not impact the passing of control. Specification adjustments have been immaterial historically.
- The customer has legal title to the asset. The Company may retain legal title until payment is received but this is for credit risk purposes only.
- The customer has physical possession of the asset. This indicator may be less important as the customer may obtain control of an asset prior to obtaining physical possession, which may be the case for goods in transit.

Where the Company sells on 'C' terms (e.g., Cost, Insurance and Freight or CIF, Carriage and Insurance Paid to or CIP, Cost and Freight or CFR and Carriage Paid to or CPT), the Company is responsible (acts as principal) for providing shipping services and, in some instances, insurance after the date at which control of goods passes to the customer at the loading point. The Company therefore has separate performance obligations for freight and insurance services that are provided solely to facilitate sale of the commodities it produces. Revenue attributable to freight and insurance services is not material.

Where the Company sells on 'D' terms (e.g., Delivered Duty Paid or DDP, Delivered at Place or DAP and Delivered at Terminal or DAT), the Company arranges and pays for the carriage and retains the risk of the goods until delivery at an agreed destination, where ownership and control is transferred.

Where the Company sells on 'F' terms (e.g., Free Carrier or FCA and FOB or Free on Board), the customer arranges and pays for the main transportation. Risk and control are transferred to the customer when the goods are handed to the carrier engaged by the customer.

The Company's products are sold to customers under contracts which vary in tenure and pricing mechanisms. The majority of pricing terms are either fixed or index-based for monthly, quarterly or annual periods, with a smaller proportion of volumes being sold on the spot market.

Within each sales contract, each unit of product shipped is a separate performance obligation. Revenue is generally recognized at the contracted price as this reflects the stand-alone selling price. Sales revenue excludes any applicable sales taxes.

4.18 Expense recognition

Expenses are recognized on an accrual basis, i.e. when the actual flow of the related goods and services occurs, regardless of when the resulting monetary or financial flow arises.

An expense is recognized in the consolidated income statements when there is a decrease in the future economic benefits related to a reduction of an asset, or an increase in a liability, which can be measured reliably. This means that an expense is recognized simultaneously with the recognition of the increase in a liability or the reduction of an asset. Additionally, an expense is recognized immediately in the consolidated income statements when a disbursement does not give rise to future economic benefits or when the requirements for recognition as an asset are not met. Also, an expense is recognized when a liability is incurred and no asset is recognized, as in the case of a liability relating to a guarantee.

1 10 Cuanto

The Company has received government grants from time to time to support operations. Grants are recorded at their fair value in the consolidated income statements within "Other operating income" when there is reasonable assurance that the Company will satisfy the underlying grant conditions and the grants will be received. To the extent required, grants are deferred and recognized on a systematic basis over the periods in which the Company expects to recognize the related expenses for which the grants are intended to compensate. When the grant relates to an asset, it is recognized as income in equal amounts over the expected useful life of the related asset.

When the grant relates to compensations for the indirect carbon dioxide emissions costs included in the energy bills, the income is recorded in "Raw Materials and energy consumption for production" in the consolidated income statements.

4.20 Termination benefits

Under current labor legislation, the Company is required to pay termination benefits to employees whose employment relationship is terminated under certain conditions. The cost of providing employee benefits is recognized in the period in which the benefit is earned by the employee, rather than when it is paid or payable.

4.21 Carbon dioxide emission allowances

The Company recognizes emission rights (allowances) received, whether allocated by government or purchased, as intangible assets. The intangible asset is initially measured and recognized on the date of acquisition at fair value, being the consideration paid (if purchased on the open market) or the current market value (if granted for less than fair value).

When allowances are granted for less than fair value, the difference between the fair value and the nominal amount paid is recognized as a government grant. The grant is initially recognized as deferred income in the consolidated statements of financial position and subsequently recognized as "other operating income" on a systematic basis on the proportion of the carbon dioxide emitted over total carbon dioxide expected to be emitted for the compliance period on the consolidated income statements. In the case that a better estimate of the expected carbon dioxide emissions for the compliance period is available, the deferred income to be recognized in the consolidated statements of financial position is adjusted prospectively.

As the Company emits carbon dioxide, it recognizes a provision for its obligation to deliver the carbon dioxide allowances at the end of the compliance period. The provision is remeasured and recorded as an expense at the end of each reporting period at historical cost for the emission rights (allowances) received and at acquisition cost for the carbon dioxide purchased and at fair value for the carbon dioxide pending to be purchased.

Intangible assets recognized for emissions allowances are not amortized and remain valued at historical cost until either sold or surrendered in satisfaction of the Company's obligation to deliver the allowances to the relevant authority.

Sale of emission rights

When the Company has determined to sell its emission rights, the emission rights sold would be derecognized from the consolidated statements of financial position against the cash received. In those cases, where the price per emission right is different to the fair value per emission right at the time they were granted, a gain or a loss on the disposal of assets will be recognized. The deferred income originally recognized for the free emission rights granted at the beginning of the compliance period that still remain in the consolidated statements of financial position at the time of sale will be derecognized.

4.22 Share-based compensation

The Company operates a share-based compensation plan with certain equity and cash-settlement options. The Company recognizes share-based compensation expense based on the estimated grant date fair value of share-based awards using a Black-Scholes option pricing model. Prior to vesting, cumulative compensation cost equals the proportionate amount of the award carned to date. The Company has elected to treat each award as a single award and recognize compensation cost on a straight-line basis over the requisite service period of the entire award. If the terms of an award are modified in a manner that affects both the fair value and vesting of the award, the total amount of remaining unrecognized compensation cost (based on the grant-date fair value) and the incremental fair value of the modified award are recognized over the amended vesting period. The Company's liability for cash-settled awards is immaterial.

4.23 Other income

Interest income is recognized as the interest accrues using the effective interest rate, the rate that exactly discounts estimated future cash receipts through the expected life of the financial instrument to the net carrying amount of the financial asset.

Dividend income from investments is recognized when the shareholders' right to receive the payment is established.

4.24 Assets and disposal groups classified as held for sale, liabilities associated with assets held for sale and discontinued operations

Assets and disposal groups classified as held for sale include the carrying amount of individual items, disposal groups or items forming part of a business unit earmarked for disposal (discontinued operations), whose sale in their present condition is highly likely to be completed within one year from the reporting date. Therefore, the carrying amount of these items, which may or may not be of a financial nature, will likely be recovered through the proceeds from their disposal.

Liabilities associated with non-current assets held for sale include the balances payable arising from the assets held for sale or disposal groups and from discontinued operations.

Assets and disposal groups classified as held for sale are measured at the lower of fair value less costs to sell and their carrying amount at the date of classification in this category. Non-Current assets held for sale are not depreciated as long as they remain in this category.

4.25 Consolidated statements of cash flows

The following terms are used in the consolidated statements of cash flows, prepared using the indirect method, with the meanings specified as follows:

- 1. Cash flows: inflows and outflows of cash and cash equivalents, which are short-term, highly liquid investments that are subject to an insignificant risk of changes in value.
- 2. Operating activities: activities constituting the object of the subsidiaries forming part of the consolidated Company and other activities that are not investing or financing activities.
- 3. Investing activities: the acquisition and disposal of long-term assets and other investments not included in cash and cash equivalents.

4. Financing activities: activities that result in changes in the size and composition of the equity and borrowings of the Company that are not operating or investing activities. Interest payments and principal payments are presented separately.

5. Segment reporting

The Company's Chief Executive Officer has been identified as the chief operating decision maker ("CODM") since the role encompasses authority over resource allocation decisions and performance assessment, mainly analyzing performance from the production obtained in the operations. The Company has identified 10 operating segments:

- · Canada Silicon Metals
- · Canada Silicon Alloys
- · U.S. Silicon Metals
- · U.S. Silicon Allovs
- · Europe Manganese Alloys
- · Europe Silicon Metals
- · Europe Silicon Alloys
- · South Africa Silicon Metals
- · South Africa Silicon Alloys; and
- · Other segments

The operating segments described above are those components whose operating results are regularly reviewed by the entity's CODM to make decisions about resources to be allocated to the segment and assess its performance, and for which discrete financial information is available. This is due to the integrated operations within each region and product family and the ability to reallocate production based on the individual capacity of each plant. Additionally, economic factors that may impact our results of operations, such as currency fluctuations and energy costs, are also assessed at a regional and product level.

The Company's North America- Silicon Metal and North America – Silicon Alloys reportable segments are the result of the aggregation of the operating segments of the United States and Canada Silicon Metals and the operating segments of the United States and Canada Silicon Alloys. These operating segments have been aggregated as they have similar long-term economic characteristics and there is similarity of competitive and operating risks and the political environment in the United States and Canada. The Europe-Silicon Metals, the Europe-Silicon Alloys, the Europe -Manganese, the South Africa – Silicon Metals and South Africa – Silicon Alloys reportable segments are equal to each related Operating segment.

All other segments that do not meet the quantitative threshold for separate reporting and are deemed to have similar economic characteristics have been grouped as "Other segments", which mainly includes holding entities in the United Kingdom and our Ferroglobe Advanced Material (formerly Ferrosolar OPCO) subsidiary in Spain.

The consolidated income statements as of December 31, 2023, 2022 and 2021, respectively, by reportable segment, are as follows:

					202	3				
	North America Silicon Metal US\$'000	North America Silicon Alloys USS'000	Europe Manganese US\$'000	Europe Silicon Metal USS'000	Europe Silicon Alloys US\$'000	South Africa Silicon Metal USS'000	South Africa Silicon Alloys US\$'000	Other segments USS'000	Adjustments/ Eliminations (*) US\$'000	Total US\$'000
Sales	505,472	283,180	277,508	307.230	216,465	50,071	109.684	54,921	(154,497)	1,650,034
Raw materials and energy consumption for production	(313,162)	(165,193)	(183,839)	(103,304)	(108,409)	(44,003)	(82,201)	(35,280)	156,105	(879,286)
Other operating income	6,605	3,896	36,628	40,321	21,149	594	(142)	50,655	(58,714)	100,992
Staff costs	(67,160)	(37,744)	(28,326)	(79,114)	(42,069)	(5,007)	(10,412)	(36,027)	` ' _ '	(305,859)
Other operating expense	(44,304)	(26,840)	(69,897)	(71,632)	(44,132)	(11,223)	(10,718)	(48,309)	56,965	(270,090)
Depreciation and amortization charges	(32,313)	(15,183)	(7,835)	(6,325)	(3,005)	(1,840)	(4,056)	(2,975)		(73,532)
Impairment (loss) gain	(21,008)		(1,571)		(3,619)	478		430	_	(25,290)
Other (loss) gain	(71)	(115)	1	79	47	_	_	30	_	(29)
Operating Profit	34,059	42,001	22,669	87,255	36,427	(10,930)	2,155	(16,555)	(141)	196,940

 $(*) \ The \ amounts \ correspond \ to \ transactions \ between \ segments \ that \ are \ eliminated \ in \ the \ consolidation \ process.$

	2022									
	North America Silicon Metal	North America Silicon Alloys	Europe Manganese	Europe Silicon Metal	Europe Silicon Alloys	South Africa Silicon Metal	South Africa Silicon Allovs	Other segments	Adjustments/ Eliminations (*)	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	USS'000	US\$'000	US\$'000
Sales	671,290	339,414	701,140	536,753	259,419	17,337	122,262	81,560	(131,259)	2,597,916
Raw materials and energy consumption for production	(305,545)	(68,490)	(541,034)	(241,936)	(139,687)	(9,270)	(65,373)	(46,759)	133,008	(1,285,086)
Other operating income	6,464	122	42,882	76,255	23,622	156	66	59,840	(62,051)	147,356
Staff costs	(61,378)	(41,923)	(28,996)	(81,175)	(50,467)	(1,736)	(11,652)	(37,483)	· · · —	(314,810)
Other operating expense	(33,708)	(37,859)	(111,741)	(99,513)	(33,265)	(2,649)	(13,193)	(74,626)	60,302	(346,252)
Depreciation and amortization charges	(33,708)	(15,135)	(13,005)	(4,605)	(8,086)	(748)	(5,278)	(994)		(81,559)
Impairment (loss) gain			(33,222)		(26,028)	5,357	2,408	(5,514)	_	(56,999)
Other (loss) gain	(522)	(126)	(178)	230	82		_	495	_	(19)
Operating (loss) profit	242,893	176,003	15,846	186,009	25,590	8,447	29,240	(23,481)		660,547

(*) The amounts correspond to transactions between segments that are eliminated in the consolidation process.

		2021								
	North America Silicon	North America Silicon	Funono	Europe Silicon	Europe Silicon	South Africa Silicon	South Africa Silicon	Other	Adjustments/ Eliminations	
	Metal	Alloys	Europe Manganese	Metal	Alloys	Metal	Alloys	segments	(*)	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Sales	370,109	154,699	476,287	437,533	227,804	12,604	104,591	43,568	(48,287)	1,778,908
Raw materials and energy consumption for production	(265,653)	(57,663)	(326,257)	(303,811)	(170,073)	(8,240)	(68,377)	(33,445)	48,623	(1,184,896)
Other operating income	5,089	296	34,142	48,828	16,924	278	485	49,901	(45,858)	110,085
Staff costs	(51,163)	(31,300)	(33,696)	(77,608)	(42,679)	(1,542)	(11,726)	(31,203)	—	(280,917)
Other operating expense	(22,222)	(20,848)	(105,290)	(105,712)	(23,043)	(1,904)	(11,352)	(51,960)	45,522	(296,809)
Depreciation and amortization charges	(40,489)	(15,281)	(18,634)	(7,330)	(9,522)	(546)	(4,535)	(991)	· —	(97,328)
Impairment (loss) gain	_	_	(376)	14	(455)	288	2,396	(1,730)	_	137
Other (loss) gain	(347)	741	_	733	295	_	_	784	_	2,206
Operating (loss) profit	(4,676)	30,644	26,176	(7,353)	(750)	938	11,482	(25,013)		31,386

^(*) The amounts correspond to transactions between segments that are eliminated in the consolidation process.

Other disclosures

Sales by product line

Sales by major product line are as follows:

	Yea	r Ended December 31,	
	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Silicon metal	722,226	1,116,193	637,695
Manganese-based alloys	259,197	525,483	469,138
Ferrosilicon	330,946	561,539	337,833
Other silicon-based alloys	159,441	192,409	161,750
Silica fume	33,804	32,290	32,409
Other	144,420	170,002	140,083
Total	1,650,034	2,597,916	1,778,908

Information about major customers

Total sales of \$840,705 thousand, \$1,322,724 thousand, and \$870,039 thousand were attributable to the Company's top 10 customers in 2023, 2022, and 2021 respectively. During 2023, 2022, and 2021 sales corresponding to Dow Silicones Corporation represented 17.0%, 16.8% and 12.2%, respectively of the Company's sales. Sales to Dow Silicones Corporation are included partially in the North America – Silicon Metal segment and partially in the Europe - Silicon Metal segment. Accounts receivables from Dow Silicones Corporation as of December 31, 2023 and 2022 are \$29,161 thousand and \$10,612 thousand, respectively.

Non-current assets by geographical area

The non-current assets (as defined in IFRS 8) by geographical area are as follows:

	Year ended Dec	ember 31,
	2023	2022
	US\$'000	US\$'000
United Kingdom	462	946
United States of America	213,663	231,565
Europe		
Spain	151,200	109,759
France	151,880	133,684
Other European Countries	57,739	55,835
Total non-current assets in Europe	360,819	299,278
Rest of the World	138,105	132,094
Total	713,049	663,883

6. Goodwill

Changes in the carrying amount of goodwill during the years ended December 31, 2023 and 2022, are as follows:

	January 1, 2022 US\$'000	Impairment (Note 27.8) US\$'000	Exchange differences US\$'000	December 31, 2022 US\$'000	Impairment (Note 27.8) US\$'000	Exchange differences US\$'000	December 31, 2023 US\$'000
U.S. Silicon Metal cash generating units	17,230			17,230			17,230
U.S. Silicon Based Alloys cash generating units	12,472	_	_	12,472	_	_	12,472
Total	29,702			29,702			29,702

The Company recorded the excess of the cost of acquisition over the Company's interest in the fair value of the identifiable assets and liabilities assumed at the date of acquisition as goodwill.

For the years ended December 31, 2023 and December 31, 2022, in connection with our annual goodwill impairment test, the Company did not recognize an impairment charge.

Ferroglobe operates in a cyclical market, and silicon and silicon-based alloy index pricing and foreign import pressure into the U.S. markets impact the future projected cash flows used in our impairment analysis. Recoverable value was estimated based on discounted cash flows. Estimates under the Company's discounted income-based approach involve numerous variables including anticipated sales price and volumes, cost structure, discount rates and long-term growth, and therefore could impact the recoverable values in the future.

Key assumptions used in the determination of recoverable value

Goodwill is allocated to its respective cash-generating units or groups of cash-generating units and tested annually for impairment. The Company has determined that the lowest level within the Company that goodwill is monitored for internal management purposes comprises four individual US CGUs aggregated into two groups of cash-generating units for review. In accordance with the requirements of IAS 36, an impairment loss is recorded when the recoverable amount is below the carrying amount of the net assets of a cash-generating unit (including the goodwill allocated to it). A CGU's or group of CGU's recoverable amount is the higher of its fair value less costs of disposal and its value in use. As of the reporting year, the recoverable amount for all groups of cash-generating units to which goodwill has been allocated is determined based on value in use.

Management makes estimates, assumptions and judgements on uncertain matters. For each group of cash-generating units to which goodwill has been allocated, the value in use is determined based on economic assumptions and forecasted operating conditions as follows:

	2023	2022	2021
	U.S.	U.S.	U.S.
Discount rate	14.1%	14.6%	13.2%
Long-term growth rate	2.3%	2.0%	2.3%

Discount rate

The discount rate, applied to discount the related cash flows, is the weighted average cost of capital (WACC), determined by the weighted average cost of equity and cost of debt according to the finance structure determined for each group of CGUs.

This rate is calculated using the capital asset pricing model (CAPM), which considers the asset's systemic risk, and the impact of those risks not already considered on cash flows, such as country risk, business-specific credit risk, currency risk and price risk specific to the financial asset, constantly monitoring the fluctuations of the financial markets.

The main underlying data used in these calculations are obtained from independent and renowned external information sources.

Long-term growth rate

Cash flow projections from the sixth year are calculated using an expected constant growth rate (g), considering projected CPI data collected from a variety of third party, external sources.

These assumptions have been used in the impairment test for each of the two groups of cash-generating units to which goodwill has been allocated.

Our approach in determining the recoverable amount utilizes a discounted cash flow methodology, which necessarily involves making numerous estimates and assumptions regarding, operating costs, appropriate discount rates and working capital requirements. The key assumptions used for estimating cash flow projections in the Group's impairment testing are those relating to discount rate, revenue, and EBITDA for the subsequent five-year period (2024-2028) and perpetuity beyond this point. The average operating profit margin is 24.1% (Silicon Metal) and 32.3% (Silicon-Based Alloys) and a Compound Annual Growth Rate of 6.0% (Silicon Metal) and 11.8% (Silicon-Based Alloys).

These estimates will likely differ from future actual results of operations and cash flows, and it is possible that these differences could be material. In addition, judgements are applied in determining the level of CGU groups identified for impairment testing and the criteria used to determine which assets should be aggregated. Changes in our business activities or structure may also result in additional changes to the level of testing in future periods. Further, future events could cause the Group to conclude that impairment indicators exist and that the asset values associated with a given operation have become impaired.

Sensitivity to changes in assumptions

Changing management's assumptions could significantly affect the evaluation of the value in use of our groups of cash-generating units and, therefore, the impairment result. As of December 31, 2023 there is a \$378,206 thousand headroom between the carrying value of our U.S. groups of cash generating units including goodwill and their recoverable value.

The following changes to the assumptions used in the impairment test lead to the following changes in recoverable value:

		Excess of recoverable	Sensitivity on discount rate		Sensitivit long-term gro		Sensitivity on EBITDA		
	Goodwill	value over carrying vale	Decrease by 10%	Increase by 10%	Decrease by 10%	Increase by 10%	Decrease by 10%	Increase by 10%	
U.S. Silicon Metal cash generating unit	17,230	87,454	57,487	(45,666)	(3,749)	3,937	(75,506)	75,506	
U.S. Silicon Based Alloys cash generating unit	12,472	290,752	85,147	(68,244)	(7,283)	7,648	(102,254)	102,254	
_	29,702	378,206							

The sensitivity analysis revealed that no reasonable possible changes in any of the key assumptions would result in the carrying amount of either of the CGU groups exceeding their recoverable amount as of December 31, 2023.

7. Intangible assets

Changes in the carrying amount of intangible assets during the years ended December 31 are as follows:

	Development	Power Supply		Computer	Greenhouse gasses	Other Intangible	Accumulated Amortization	Impairment	
	Expenditure	Agreements	Rights of Use	Software	(CO2)	Assets	(Note 27.6)	(Note 27.8)	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Balance at January 1, 2022	51,698	37,836	13,369	5,090	97,596	8,120	(96,140)	(16,927)	100,642
Additions	910		23	522	112,775	384	(725)		113,889
Disposals	_	_	_	(20)	(96,869)	_	20	_	(96,869)
Exchange differences	(2,914)	_	(153)	(62)	(5,732)	(370)	2,536	830	(5,865)
Balance at December 31, 2022	49,694	37,836	13,239	5,530	107,770	8,134	(94,309)	(16,097)	111,797
Additions	1,210			3,273	113,101		(663)		116,921
Disposals		_	_	_	(96,451)	_	82	_	(96,369)
Transfers from/(to) other accounts	825	_	_	1,489		(396)	(26)	261	2,153
Exchange differences	1,861	_	90	104	3,756	(358)	(1,170)	(440)	3,843
Balance at December 31, 2023	53,590	37.836	13.329	10.396	128,176	7.380	(96,086)	(16.276)	138.345

Development expenditures: For the year ended, the Company invested \$1,210 thousand in Research and Development (R&D) projects. As of December 31, 2023 the total development expenditures of \$53,590 thousand have accumulated amortization of \$36,185 thousand and accumulated impairment of \$13,990 thousand.

Power supply agreement: In 2015, the Company acquired a power supply agreement which provides favorable below-market power rates to the Alloy, West Virginia facility. The agreement terminates in 2025 but as of December 31, 2023 it is fully amortized.

Rights of use relate to mining concessions and as of December 31, 2023 are fully amortized.

Computer software: For the year ended December 31, 2023, the Company invested \$3,273 thousand in the development of new IT systems and cybersecurity.

Greenhouse gas rights: As of December 31, 2023 and 2022, this class of intangible assets primarily relates to the acquisition, use and expiration of rights held to emit greenhouse gasses by certain Spanish, French, Norwegian and Canadian subsidiaries (see *Note 4.21*). For the year ended December 31, 2023, the Company did not purchase or sell rights to emit greenhouse gasses (2022: \$25,035 thousand of purchases).

As of December 31, 2023 and 2022, the Company has certain intangible assets related to rights held to emit greenhouse gasses pledged as collateral for debt instruments (see Note 18).

8. Property, plant and equipment

Property, plant and equipment, net of the related accumulated depreciation and impairment, as of December 31, 2023 and 2022 is as follows:

	Land and Buildings	Plant and Machinery	Other Fixtures, Tools and Furniture	Property, Plant and Equipment in the Course of Construction	Mineral Reserves	Other Items of Property, Plant and Equipment	Other Items of Leased Land and Buildings	Other Items of Leased Plant and machinery	Accumulated Depreciation (Note 27.6)	Impairment (Note 27.8)	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Balance at January 1, 2022	197,214	1,202,624	7,479	113,962	59,019	33,589	17,156	27,762	(962,078)	(141,811)	554,914
Additions	3,170	15,329	2,883	59,532		131	4,714	4,624	(80,834)	(56,999)	(47,450)
Disposals and other	_	(18,544)	(122)	(595)	_	_	_	_	17,685	(90)	(1,666)
Transfers from/(to) other											
accounts	505	28,295	(349)	(33,485)	_	1,212	_	_	3,822	_	_
Exchange differences	(7,291)	(48,278)	(731)	(6,021)	(215)	(725)	(625)	(1,028)	42,157	4,273	(18,484)
Transfer to assets and disposal groups classified as held for											
sale	(18,108)	(56,571)	(470)	(320)	_	_	_	_	56,297	18,105	(1,067)
Balance at December 31, 2022	175,490	1,122,855	8,690	133,073	58,804	34,207	21,245	31,358	(922,951)	(176,522)	486,247
Additions	2,886	11,263	118	81,457	8,550	· -	4,660	9,623	(72,869)	(25,768)	19,920
Disposals and other	(1,743)	(19,621)	(1,051)	(128)		_	(470)	(766)	12,970	4,969	(5,840)
Transfers from/(to) other											
accounts	1,289	69,560	(376)	(73,312)	_	61	2	767	_	(144)	(2,153)
Exchange differences	3,115	13,405	(176)	4,116	(263)	(562)	634	332	(14,276)	(3,103)	3,222
Balance at December 31, 2023	181,037	1,197,462	7,205	145,206	67,091	33,706	26,071	41,314	(997,126)	(200,568)	501,396

For the years ended December 31, 2023 and 2022, the Company invested \$118,642 thousand and \$90,383 thousand in its property, plant equipment. This was predominantly led by investments as follows:

Property, plant and equipment in the course of construction: For the years ended December 31, 2023 and 2022, the Company invested \$81,457 thousand and \$59,532 thousand in capital expenditure focused on productivity and efficiency improvements.

Other additions: The Company acquired a high purity quartz mine in October 2023. Of the \$11,000 thousand purchase price, the Company allocated \$2,700 thousand to land and buildings and \$8,550 thousand to the mineral reserves acquisition. The Company determined that the acquisition of the high purity quartz mine did not qualify as a business combination in accordance with IFRS 3 and therefore was accounted for as an asset acquisition.

Impairment considerations:

The Company defines its CGUs for impairment testing of its property, plant and equipment to be at the individual plant or mine level. The Company deems this level to be the smallest identifiable group of assets that generates cash inflows that are largely independent of the cash inflow from other assets or groups of assets. As of December 31, 2023, all cash-generating units were assessed for indicators of potential impairment.

As of December 31, 2023, we identified indicators of potential impairment in our Puertollano, Sabon, Boo, Selma and Polokwane CGUs.

The recoverable amount for the Puertollano CGU with a carrying value of \$30,039 thousand was determined based on the estimated fair value less cost of disposal of real estate based on recent comparable transactions and industrial products based on the replacement cost method considering their current state. If the fair value were to fall by 10%, there would still remain sufficient headroom in the CGU. No reasonably possible changes in individual assumptions used in the valuation would result in a material impairment during the next financial year. However, it is reasonably possible that, in aggregate with the Polokwane CGU as discussed below, different outcomes within the next financial year could result in a material decrease in the aggregate carrying amount of the CGUs.

The recoverable amounts for the Sabon, Boo, Selma and Polokwane CGUs were determined based on their respective values in use. As of December 31, 2023, the Company's Sabon and Boo CGU recoverable values were not sensitive to changes in the underlying assumptions. The Company's Selma plant has been idled for the foreseeable future and thus the carrying value of its associated assets has been fully impaired based on a negative estimated recoverable amount. For the Polokwane CGU, the significant assumptions used to estimate its value in use were as follows: (i) pre-tax discount rate of 23.1%; (ii) EBITDA margin (EBITDA divided by sales) throughout the forecast and long-term growth periods of between 3% and 27%; and (iii) long-term growth rate of 2.3%.

Sensitivity to changes in assumptions

Changing management's assumptions could affect the evaluation of the value in use of our Polokwane cash-generating unit and, therefore, the impairment result. As of December 31, 2023 there is \$9,213 thousand in headroom between the carrying value of our Polokwane cash generating unit and its recoverable value.

The following reasonably possible changes to the assumptions used in the impairment test lead to the following changes in recoverable value, noting that sensitivities in EBITDA could indicate a reduction in carrying value. All other sensitivities retain sufficient headroom:

		Excess of	Sensitivity on		Sensitivity on		Sensitivi	ity on
		recoverable	discount rate		long-term growth rate		EBIT	DA
	Carrying	value over	Decrease	Increase	Decrease	Increase	Decrease	Increase
	Value	carrying vale	by 10%	by 10%	by 10%	by 10%	by 10%	by 10%
Polokwane	13,582	9,213	8,955	(7,135)	822	(850)	(15,022)	15,022

The Company's approach to the determination of its discount and long-term growth rates are discussed in Note 7. For EBITDA margin, the Company determines its projected sales and cost of sales through a combination of analysis of prior year actuals and budgeted pricing and volumes. Where applicable, the Company relies on third party sources to derive key inputs. Internally, the Company reviews contracted amounts as well as forecasts. Finally, corporate overheads are allocated using an internal key based on projected volumes.

The below table details the Company's impairment write downs/(reversals) as of December 31, 2023 and 2022, respectively:

	2023 US\$'000	2022 US\$'000
Puertollano		5,515
Boo	1,570	11,559
Monzon	_	5,915
Selma	21,008	_
Moi Rana	_	15,749
Polokwane	_	(5,017)
Thaba	_	(2,750)
Chateau Feuillet	_	5,994
Cee-Dumbria	3,619	20,034
Others	(429)	_
Total	25,768	56,999

As of December 31, 2023, the accumulated impairment balance primarily relates to full impairments recorded in our Venezuela, Cee-Dumbria, Selma, Moi Rana, Monzon and Boo cash-generating units, as well as approximately \$56.1 million recorded in recent years for the Puertollano CGU.

As of December 31, 2022, assets related to Chateau Feuillet facility in France were transferred to asset held for sale. The assets were measured at the lower of carrying amount and fair value less costs to sell, and were presented separately as an asset held for sale in the current position of the financial statements. As fair value was lower than the carrying amount, the company recognized an impairment of \$5,994 thousand.

As of December 31, 2023 and 2022, the Company has property, plant and equipment (\$284,012 thousand in 2023 and \$278,796 thousand in 2022) pledged as security for debt instruments in Canada, France, Norway, Spain and U.S.A (see *Note 18*).

Commitments

As of December 31, 2023 and 2022, the Company has capital expenditure commitments totaling \$16,019 thousand and \$16,607 thousand, respectively, primarily related to improvement works at plants.

9. Financial assets and other receivables

The company's financial assets and their classification under IFRS 9 are as follows:

		2023 classification			
			Fair value	Fair value	
			through profit	through other	
			or loss -	comprehensive	
		Amortized cost	mandatorily measured	income - designated	Total
	NI. 4.				
	Note	US\$'000	US\$'000	US\$'000	US\$'000
Other financial assets	9.1	12,992	1,080	5,722	19,794
Receivables from related parties	23	4,430	_	_	4,430
Trade and other receivables	9.2	310,243	_	_	310,243
Restricted cash and cash equivalents		1,179	_	_	1,179
Cash and cash equivalents		136,470	_	_	136,470
Total financial assets		465,314	1,080	5,722	472,116

		2022 classification			
			Fair value	Fair value	
			through profit	through other	
			or loss -	comprehensive	
			mandatorily	income -	
		Amortized cost	measured	designated	Total
_	Note	US\$'000	US\$'000	US\$'000	US\$'000
Other financial assets	9.1	13,253	936		14,189
Receivables from related parties	23	4,275	_	_	4,275
Trade and other receivables	9.2	425,474	_	_	425,474
Restricted cash and cash equivalents		5,008	_	_	5,008
Cash and cash equivalents		317,935	_	_	317,935
Total financial assets		765,945	936		766,881

Restrictions on the use of group assets

As of year ended December 31, 2023 and 2022, Cash and cash equivalents and restricted cash comprise the following:

	2023	2022
	US\$'000	US\$'000
Cash and cash equivalents	136,470	317,935
Non-Current restricted cash presented as Cash	_	2,133
Current restricted cash presented as Cash	1,179	2,875
Total	137,649	322,943

As of December 31, 2023, the Company holds \$1,179 thousand in current restricted cash associated with cash held explicitly to fund our Selma plant as part of the New Markets Tax Credit Program (NMTC Program). The NMTC helps economically distressed communities attract private capital. The Company intends to use the remaining restricted cash in early 2024.

The Company also has certain restrictions in the partnerships with Dow as of December 31, 2023 and 2022.

9.1 Other financial assets

As of December 31, 2023, other financial assets comprise the following:

		2023	
	Non-Current	Current	Total
	US\$'000	US\$'000	US\$'000
Other financial assets held with third parties:			
Other financial assets at amortized cost	12,992	_	12,992
Equity securities	1,078	2	1,080
Derivative financial instruments (Note 20)	5,722	_	5,722
Total	19,792	2	19,794

As of December 31, 2022, other financial assets comprise the following:

		2022	
	Non-Current	Current	Total
	US\$'000	US\$'000	US\$'000
Other financial assets held with third parties:			
Other financial assets at amortized cost	13,253	_	13,253
Equity securities	933	3	936
Total	14,186	3	14,189

Other financial assets at amortized cost

Other financial assets at amortized cost comprise the investment fund of \$9,909 thousand in Selma Globe Investment Fund, LLC as a result of the NMTC Program. The reactivation of the plant in Selma, Alabama, in 2022 resulted in us being granted with a \$13,230 thousand allocation by the end of fiscal year 2022 under the NMTC Program (See *Note 16*). This allocation was subscribed by Ferroglobe U.S.A Metallurgical, Inc. (also "FG USA Metallurgical", formerly Globe Metallurgical, Inc.) as owner of the plant and United Bank as investor and beneficiary of the tax credit resulting from this grant.

Other financial assets at amortized cost also comprise deposits given to the French government by Ferroglobe France (formerly Ferropem) (\$3,024 thousand in 2023 and \$2,770 thousand in 2022), a Ferroglobe subsidiary, in respect of *effort de construction*. The law in France requires employers and companies of a certain size to invest a portion of their budgets in the construction or renovation of housing (including through direct investment, providing mortgages, and other) every year. In this case, the mandatory contributions are made in the form of a loan, to be returned by the French government in twenty years.

The carrying amount of other financial assets at amortized cost is considered to approximate their fair value.

9.2 Trade and other receivables

Trade and other receivables comprise the following at December 31:

	2023 US\$'000	2022 US\$'000
Trade receivables	223,236	295,678
Less – allowance for doubtful debts	(2,906)	(1,187)
	220,330	294,491
Tax receivables	26,779	36,852
Government grant receivables	62,417	88,092
Other receivables	717	6,039
Total trade and other receivables	310,243	425,474

The trade and other receivables disclosed above are short-term in nature and therefore their carrying amount is considered to approximate their fair value.

The changes in the allowance for doubtful debts during 2023 and 2022 were as follows:

	Allowance
	US\$'000
Balance at January 1, 2022	1,006
Impairment losses recognized	361
Collection of previously written off balances	(124)
Exchange differences	(56)
Balance at December 31, 2022	1,187
Impairment losses recognized	1,970
Collection of previously written off balances	(300)
Exchange differences	49
Balance at December 31, 2023	2,906

Factoring of trade receivables

In October 2020, the Company signed a factoring agreement with a financial institution to anticipate the collection of receivables issued by the Company's European subsidiaries with the following main terms:

- · maximum cash consideration advanced is up to €60.0 million;
- overcollateralization of 10% of accounts receivable as guarantee provided to the Agent until payment has been satisfied;
- · a 0.18% to 0.25% fee charges on total invoices and credit notes sold to the Agent; and
- · a financing commission set at IBOR plus 1% charged on the drawdowns;

Other conditions are set in relation to credit insurance policy which has been structured in an excess of loss policy where the first €5,000 thousand of bad debt losses are not covered by the insurance provider. The Company has assumed the cash collateralization for the entire excess of loss, as agreed in contractual terms.

For the year ended December 31, 2023, the factoring agreement provided upfront cash consideration of \$431,274 thousand (\$895,264 thousand in 2022). The Company has repaid \$454,576 thousand (\$918,070 thousand in 2022), recording as of December 31, 2023, an on-balance sheet bank borrowing debt of \$30,683 thousand (2022: \$60,976 thousand). See *Note 16*.

As of December 31, 2023, the Company held \$35,504 thousand of trade and other receivables recognized in the consolidated statements of financial position in respect of factoring agreements (\$80,112 thousand at December 31, 2022). Finance costs incurred during the year ended December 31, 2023, amounted to \$2,568 thousand (\$3,426 thousand at December 31, 2022) recognized in finance costs in the consolidated income statements.

The Company has assessed whether it has transferred substantially all risks and rewards, continuing to be exposed to the variable returns from its involvement in the factoring agreement as it is exposed to credit risk, so the conclusion is that the derecognition criteria is not met and therefore, the account receivables sold are not derecognized from the balance sheet and an obligation is recognized as bank borrowings for the amount of cash advanced by the Leasing and Factoring Agent. The amount repayable under the factoring agreements is presented as on-balance sheet factoring and the debt assigned to factoring is shown as bank borrowings.

Other agreements

In February 2022 the company signed a without recourse factoring agreement with Bankinter offers the possibility to sell the receivables corresponding to 11 pre-approved customers by the bank and its credit insurer. Receivables are pre-financed at 100% of their face value.

The main characteristics of this program are the following:

- maximum cash consideration advanced is up to €30,000 thousand;
- a 0.25% fee of the receivables face values;
- a cost of financing at Euribor 12-month plus 1%;
- a closing fee of 0.25% of the financing; and
- an annual renewal fee of 0.25% of the financing

The Company has concluded that we have not retained nor transferred substantially all of the risks and rewards but have transferred control of the receivables, and therefore the derecognition criteria is met and the account receivables sold have been derecognized from the balance sheet.

Government grants receivables

The Company has been awarded a compensation for the indirect carbon dioxide emissions costs included in its energy bills in France, Spain and Norway.

For the year ended December 31, 2023, the Company recognized \$84,047 thousand of income (2022: \$72,251 thousand) related to these compensations. The amount was deducted against the related expense in "Raw Materials and energy consumption for production" in the consolidated income statements. The Company has no unfulfilled conditions in relation to government grants, but certain grants would be repayable if the Company were to substantially curtail production or employment at certain plants.

10. Inventories

Inventories comprise the following at December 31:

	2023	2022
	US\$'000	US\$'000
Finished goods	162,962	169,956
Raw materials in progress and industrial supplies	182,612	266,348
Other inventories	38,267	44,257
Advances to suppliers	_	19,519
Total	383,841	500,080

For the year ended December 31, 2023, the Company recognized an expense for the write-down of inventory to net realizable value of \$13,687 thousand (\$29,865 thousand in 2022), of which \$11,495 related to finished goods (\$17,523 thousand in 2022) and \$2,192 to raw material (\$12,342 thousand in 2022). The Company records expense for the write-down of inventories to "Raw Materials and energy consumption for production" in the consolidated income statements. See *Note 4.8*.

As of December 31, 2023 and 2022, inventories in the Company's subsidiaries in the United States, Canada, Norway, France and Spain (\$314,681 thousand in 2023 and \$435,347 thousand in 2022) were pledged forming part of the collateral for debt instruments, see *Note 18*.

11. Other assets

Other assets comprise the following at December 31:

		2023			2022	
	Non-			Non-		
	Current	Current	Total	Current	Current	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Guarantees and deposits	21,530	420	21,950	17,492	293	17,785
Prepayments and accrued income	11	5,694	5,705	37	5,925	5,962
Advances to suppliers	_	11,296	11,296	_	_	_
Other assets	615	169,067	169,682	689	24,390	25,079
Total	22,156	186,477	208,633	18,218	30,608	48,826
	'					

As of December 31, 2023 and 2022, the amount within "Guarantees and deposits given" is mainly due to (i) a deposit made during 2021 with TAC (Tennessee Valley Authority) which supplies power to Ferroglobe USA Metals, LLC. (formerly Core Metals Group, LLC), (ii) the letter of credits related to the insurance company in "Global Specialty Metals, Ine" and (iii) deposits linked to factoring agreements.

As of December 31, 2023, the increase in "other assets" mainly relates to the Company's benefit from the French regulated access to historic nuclear energy program (ARENH) and the additional agreement with EDF in which we have agreed different electricity prices throughout the year based on demand amounting to \$164,259 thousand. The ARENH is a mechanism established which allows energy suppliers to obtain energy under favorable conditions set by the public authorities. The Company received the \$164,259 thousand in the first quarter of 2024. The Company deducted this amount from its related expense in "Raw Materials and energy consumption for production" in the consolidated income statements (See *Note 27.2*).

In 2022, a provision of \$18,000 thousand was recognized at Ferroglobe U.S.A Metallurgical, Inc. (formerly Globe Metallurgical Inc.) with respect to civil lawsuits arising out of a 2018 incident at its Selma, Alabama facility in which two employees were injured and one of whom later died. See *Note 15*. At the time, Ferroglobe U.S.A Metallurgical, Inc. also recorded an expected reimbursement from the Company's insurer as "other assets" for the same amount. In Q1 2023, the Company settled these lawsuits fully.

12. Equity

Share capital

Ordinary shares are classified in equity in the consolidated statements of financial position. Each time a share premium is paid to the Company for an issued share, the respective share premium is allocated to the share premium account.

The Company has not distributed dividends to shareholders of the Parent nor engaged in a formal buyback program as of December 31, 2023. One of the companies in partnership with a non-controlling interest, WVA Manufacturing, LLC, distributed earnings to the non-controlling interest totaling \$1,470 and \$3,430 thousand, classified as cash flow from operating activities, for the years ended December 31, 2023 and 2022, respectively.

In October 2021, the Company entered into an equity distribution agreement (the "Equity Distribution Agreement") with B. Riley Securities, Inc. and Cantor Fitzgerald & Co. relating to the Company's ordinary shares, by which the Company may offer and sell ordinary shares having an aggregate offering price of up to \$100,000,000 from time to time through B. Riley Securities, Inc. and Cantor Fitzgerald & Co. as our sales agents. The company has cumulatively sold 186,053 ordinary shares with net proceeds of \$1.4 million through December 31 2023).

As of December 31, 2023, there were 188,882,316 ordinary shares in issue with a par value of \$0.01, for a total issued share capital of \$1,962 thousand, (2022: 188,882,316 ordinary shares in issue with a par value of \$0.01, for a total issued share capital of \$1,962 thousand). The Company held 1,440,787 ordinary shares in treasury (2022: 1,448,773). In addition to the issued ordinary shares, the Company has authorized but unissued shares of 17,425,391 as of December 31, 2023.

As of December 31, 2023, the Company's largest shareholders are as follows:

	Number of Shares	Percentage of
Name	Beneficially Owned	Outstanding Shares (*)
Grupo Villar Mir, S.A.U.	75,265,434	40.1%
Cooper Creek Partners Management LLC	12,986,178	6.9%
Wolf Hill Capital Management, L.P.	10,313,097	5.5%
Others	90,317,607	47.5%
Shares in Treasury	(1,440,787)	
Total ordinary shares outstanding	187,441,529	100.0%

(*) 187,441,529 ordinary shares were outstanding at 31 December 2023, comprising 188,882,316 shares in issue less 1,440,787 shares held in treasury

Valuation adjustments

Valuation adjustments comprise the following at December 31:

	2023	2022
	US\$'000	US\$'000
Actuarial gains	5,292	12,817
Hedging instruments	2,329	_
Deferred tax income (loss) (See Note 24)	733	(2,082)
Total	8,354	10,735

Changes in actuarial gain and losses are due to remeasurements of the net defined benefit liability, see Note 15.

Capital management

The Company's primary objective is to maintain a balanced and sustainable capital structure through the industry's economic cycles, while keeping the cost of capital at competitive levels so as to fund the Company's growth. The main sources of financing are as follows:

- 1. cash flows from operations;
- 2. bank borrowings, including asset-based lending facility;
- 3. debt instruments, including the Reinstated Senior Notes due 2025; and
- 4. factoring and forfaiting of receivables.

Non-controlling interests

The changes in non-controlling interests in the consolidated statements of financial position as of December 31, 2023 and 2022 were as follows:

	Balance
	US\$'000
Balance at January 1, 2022	106,053
Profit for the year	3,514
Dividends paid	(3,430)
Translation differences	(1,873)
Other	2,487
Balance at December 31, 2022	106,751
Profit for the year	15,816
Dividends paid	(1,470)
Translation differences	906
Other	(178)
Balance at December 31, 2023	121,825

WVA Manufacturing, LLC (WVA) was formed on October 28, 2009 as a wholly-owned subsidiary of Globe. On November 5, 2009, Globe sold a 49% membership interest in WVA to Dow Corning Corporation (Dow), an unrelated third party. As part of the sale, the companies established an operating and output and supply agreement. The output and supply agreement states that of the silicon metal produced by WVA, 49% will be sold to Dow and 51% to Ferroglobe USA (formerly Globe), which represents each member's ownership interest, at a price equal to WVA's actual production cost plus \$100 per metric ton. The agreement will automatically terminate upon the dissolution or liquidation of WVA in accordance with the partnership agreement between Ferroglobe USA (Globe) and Dow. As of December 31, 2023 and 2022, the balance of non-controlling interest related to WVA was \$68,020 thousand, respectively.

Quebec Silicon Limited Partnership (QSLP), formed under the laws of the Province of Québec on August 20, 2010, is managed by its general partner, Quebec Silicon General Partner Inc., which is 51% property of Globe. QSLP owns and operates the silicon metal operations in Bécancour, Québec. QSLP's production output is subject to a supply agreement, which sells 51% of the production output to Ferroglobe USA (Globe) and 49% to Dow. These sales align with each member's ownership interest, at a price equal to QSLP's actual production cost plus 250 Canadian dollars per metric ton. As of December 31, 2023 and 2022, the balance of non-controlling interest related to QSLP was \$50,786 thousand and \$39,023 thousand, respectively.

Despite the fact that we have the majority holding in each entity, we have exercised judgement in assessing whether we control the entities. The judgement is based on a detailed review of the shareholder and partnership agreements between us and Dow and the output and supply agreements, the composition of the Boards and Operating Committees of the entities together with voting rights and protocols, how decisions over the relevant activities are made in the context of the contractual arrangements and whether certain rights granted to Dow are substantive or protective in nature. On balance, we have concluded that we have control of these entities. Consequently, we continue to consolidate the results and net assets of these entities and show Dow's interests as a non-controlling interest in the consolidated financial statements.

The following table summarizes the information relating to each of these subsidiaries, before any intra-group eliminations:

	2023		2022		2021	
	WVA US\$'000	QSLP US\$'000	WVA US\$'000	QSLP US\$'000	WVA US\$'000	QSLP US\$'000
Statements of Financial Position						
Non-current assets	87,698	39,543	78,992	64,291	83,176	63,088
Current assets	71,329	68,073	86,847	53,830	73,883	46,186
Non-current liabilities	6,660	11,908	7,108	18,719	8,654	19,005
Current liabilities	26,770	26,378	53,680	21,201	43,577	14,671
Income Statements						
Sales	211,118	148,313	187,854	102,865	165,660	89,446
Operating profit	13,513	22,151	8,306	2,897	(4,871)	2,093
Profit before taxes	13,513	21,561	8,155	2,195	(5,062)	1,237
Net (loss) income	5,466	10,679	3,075	1,015	(3,362)	613
Cash Flow Statements						
Cash flows from operating activities	18,712	31,000	(5,934)	(10,037)	11,981	8,997
Cash flows from investing activities	(13,107)	(6,725)	(8,304)	(1,525)	(3,893)	(4,956)
Cash flows from financing activities	_	_	_	905	_	_
Exchange differences on cash and cash equivalents in foreign						
currencies	_	_	_	10	_	31
Beginning balance of cash and cash equivalents	21,122	5,949	35,360	16,596	27,272	12,524
Ending balance of cash and cash equivalents	26,727	30,224	21,122	5,949	35,360	16,596

13. Earnings (loss) per ordinary share

Basic earnings (loss) per ordinary share are calculated by dividing the consolidated profit (loss) for the year attributable to the Parent by the weighted average number of ordinary shares outstanding during the year, excluding the average number of treasury shares held in the year. Dilutive earnings (loss) per share assumes the exercise of stock options, provided that the effect is dilutive.

	2023	2022	2021
Basic profit (loss) per share (EPS)			
Numerator:			
Profit (Loss) for the year attributable to the Parent	82,662	440,314	(110,624)
Denominator:			
Weighted-average number of shares outstanding to equity holders	187,872,191	187,815,672	176,508,144
Basic profit (loss) for the period attributable to equity holders	0.44	2.34	(0.63)
Diluted profit (loss) per share (EPS)			
Numerator:			
Profit (Loss) for the year attributable to the Parent	82,662	440,314	(110,624)
Denominator:			
Weighted-average number of shares outstanding to equity holders	187,872,191	187,815,672	176,508,144
Effect of dilutive securities from equity incentive plans	2,417,617	1,809,523	_
Weighted-average number of shares outstanding - diluted to equity holders	190,289,808	189,625,195	176,508,144
Diluted profit (loss) for the period attributable to equity holders	0.43	2.32	(0.63)

In periods for which we have a loss, basic net loss per share is the same as diluted net loss per share. We have excluded from our calculation of diluted loss per share all potentially dilutive in-the-money equity awards, which would have been anti-dilutive. The weighted-average number of potentially dilutive securities that were not included in the diluted per share calculations because they would be anti-dilutive were as follows:

	2023	2022	2021
Equity based awards issued and outstanding (in-the-money)	_		4,359,436

No potential ordinary shares were excluded from the calculation of diluted earnings (loss) per ordinary share because their effect would be anti-dilutive in 2023 and 2022. Potential ordinary shares of 4,359,436 were excluded from the calculation in 2021 for this reason.

14. Deferred income

Deferred income comprises the following as at December 31:

	2023	2022
	US\$'000	US\$'000
Carbon dioxide emissions allowances	24,965	
Government grants	2,015	3,842
Total	26,980	3,842

Carbon dioxide emission allowances arise from the difference between the fair value of the allowances granted and the nominal amount paid. The deferred income is recognized as "other operating income" on a systematic basis on the proportion of the carbon dioxide emitted over total carbon dioxide expected to be emitted for the compliance period on the consolidated income statements (see *Note 27.3*). As of December 2023, the deferred income related to Carbon dioxide emission allowances increased as actual emissions were lower than the allowance received.

Government grants are recognized on a systematic basis over the periods in which the Company expects to recognize the related expenses for which the grants are intended to compensate.

15. Provisions

Provisions comprise the following as of December 31:

	2023			2022		
	Non- Current	Current	Total	Non- Current	Current	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Environmental provision	174	1,909	2,083	168	1,396	1,564
Provisions for litigation	_	7,913	7,913	_	23,142	23,142
Provisions for third-party liability	10,596	_	10,596	5,960	_	5,960
Provisions for Carbon dioxide emissions allowances	_	90,471	90,471	7,956	94,800	102,756
Provision for restructuring cost	_	15,243	15,243	_	21,539	21,539
Other provisions	9,200	7,221	16,421	8,040	4,450	12,490
Total	19,970	122,757	142,727	22,124	145,327	167,451

The changes in the various line items of provisions in 2023 and 2022 were as follows:

	Environmental Provision USS'000	Provisions for Litigation in Progress USS'000	Provisions for Third Party Liability US\$'000	Provisions for Carbon Dioxide Emissions Allowances US\$'000	Provisions for Restructuring Cost USS'000	Other Provisions US\$'000	Total US\$'000
Balance at January 1, 2022	3,695	1,952	8,905	110,246	22,350	10,017	157,165
Charges for the year	13	22,134	454	114,185	9,092	7,022	152,900
Provisions reversed with a credit to income	_	(48)	_	(2,435)	(591)	(890)	(3,964)
Amounts used	(345)	(798)	(2,863)	(112,485)	(8,012)	(2,516)	(127,019)
Transfers from/(to) other accounts	(1,510)					(666)	(2,176)
Exchange differences and others	(289)	(98)	(536)	(6,755)	(1,300)	(477)	(9,455)
Balance at December 31, 2022	1,564	23,142	5,960	102,756	21,539	12,490	167,451
Charges for the year	1,292	7,142	267	81,424		6,914	97,039
Provisions reversed with a credit to income	_	(487)	_	(3,036)	_	(2,850)	(6,373)
Amounts used	(727)	(22,029)	(215)	(93,471)	(6,977)	(118)	(123,537)
Remeasurement through other comprehensive income (loss)			4,367			<u> </u>	4,367
Exchange differences and others	(46)	145	217	2,798	681	(15)	3,780
Balance at December 31, 2023	2.083	7.913	10.596	90.471	15.243	16.421	142,727

Environmental provision

Environmental provisions related to \$174 thousand of non-current environmental rehabilitation obligations as of December 31, 2023 (2022: \$168 thousand) and \$1,909 thousand of current environmental rehabilitation obligations as of December 31, 2023 (2022: \$1,396 thousand). A majority of these provisions relates to residues disposal, such as the remediation costs required to comply with government regulations.

Provisions for litigation in progress

The timing and amounts potential liabilities arising from such exposures is uncertain. The provision reflects the Company's best estimate of the expenditure required to meet resulting obligations.

Certain employees of Ferroglobe France (formerly FerroPem, SAS and then known as Pechiney Electrometallurgie, S.A.), may have been exposed to asbestos at its plants in France in the decades prior to our acquisition. The Company has recognized a provision of \$611 thousand during the year ended December 31, 2023 as part of the current portion of Provisions for litigation (2022: \$955 thousand). See Note 26 for further information.

In 2022, Ferroglobe France sent dismissal letters to several employees of Château-Feuillet. As of December 31, 2023, numerous claims have been received from the affected individuals challenging the terminations and seeking substantial financial compensation. The Company has recorded a provision of \$5,574 thousand for these claims.

In 2022, a provision of \$18,000 thousand was recognized at Ferroglobe USA Metallurgical Inc (formerly Globe Metallurgical Inc.) with respect to civil lawsuits arising out of a 2018 incident at its Selma, Alabama, facility in which two employees were injured and one of whom later died. At the time, Ferroglobe USA Metallurgical Inc also recorded an expected reimbursement from the Company's insurer as other assets for the same amount (see *Note 11*). In the first quarter of 2023, the Company reached full and final settlements of the lawsuits and all amounts were paid directly by the insurer.

Provisions for third-party liability

Provisions for third-party liability presented as non-current obligations of \$10,596 thousand relate to health costs for retired employees (2022: \$5,960 thousand) in the Company's subsidiary, Ferroglobe France.

Provisions for carbon dioxide emissions allowances

As of December 31, 2023 the provision for carbon dioxide emission allowances amounting to \$90,471 thousand (2022: \$102,756 thousand) corresponds to the obligation to deliver the carbon dioxide allowances at the end of the compliance period.

Provisions for restructuring costs

As of December 31, 2023, the restructuring provision corresponds to the restructuring process in Château-Feuillet facility in France amounting to \$15,243 thousand (2022: \$21,539 thousand).

Other provisions

Included in other provisions are current obligations arising from past actions that involve a probable outflow of resources that can be reliably estimated. Other provisions include taxes of \$5,215 thousand (2022: \$1,998 thousand) and \$8,285 thousand related to the accrued estimated costs of reclaiming the land after it has been mined for gravel or coal (2022: \$7,551 thousand).

15.1 Provisions for pensions

France

The Company maintains a pension plan covering employees of Ferroglobe France, which is accounted for as a defined benefit plan.

These relate to various obligations assumed by our French subsidiaries with various groups of employees related to long-service benefits, medical insurance supplements and retirement obligations, all of which are defined unfunded benefit obligations, whose changes in 2023, 2022 and 2021 were as follows:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Obligations at the beginning of year	16,338	25,950	34,496
Service cost	733	(1,159)	1,082
Borrowing costs	596	310	212
Actuarial differences	2,039	(4,821)	(3,003)
Benefits paid	(1,200)	(1,181)	(995)
Exchange differences	616	(1,253)	(2,412)
Others	_	(1,508)	(3,430)
Obligations at the end of year	19,122	16,338	25,950

At December 31, 2023 and 2022 the effect of a 1% change in discount rate would have resulted in a change to the provision of \$2,216 thousand and \$1,695 thousand, respectively.

The weighted average duration of defined benefit obligation as of December 31, 2023 is 14.2 years (14.9 years in 2022).

Canada

Defined Benefit Retirement and Post-retirement Plans

Quebec Silicon Limited partnership ("QSLP") sponsors two defined benefit pension plans and postretirement benefit plans for certain employees, based on length of service and remuneration. Post-retirement benefits consist of a group insurance plan covering plan members for life insurance, hospital, medical, and dental benefits. The defined benefit pension plans were closed to new participants effective October 1, 2010. Contributions from participants to the pension plan for union employees ceased on December 31, 2023, and pension benefit accruals under that plan are calculated based on a reduced rate for service after that date. On December 27, 2013, the Communications, Energy and Paper Workers Union of Canada ("CEP") ratified a new collective bargaining agreement, which resulted in a curtailment pertaining to the closure of the postretirement benefit plan for union employees retiring after January 31, 2016. The Company's funding policy has been to fund the pension plans in accordance with the minimum funding requirements of the applicable pension legislation and professional actuarial standards.

The net provision for the defined benefit plan is the present value of the defined benefit obligation at the balance sheet date minus the fair value of plan assets. Estimates are used in determining the assumptions incorporated in the calculation of the pension obligations, which is supported by input from independent actuaries. The defined benefit obligation is calculated annually with the assistance of an independent actuary using the projected unit credit method, which reflects services rendered by employees to the date of valuation, incorporates assumptions concerning employees' projected salaries and pension increases as well as discount rates of high quality corporate bonds that have terms to maturity approximating the terms of the related liability.

To the extent that the fair value of the plan assets is greater than the present value of the defined benefit obligation as calculated by our independent actuary, the Company accounts for the effect of the asset ceiling test under IAS 19.

Re-measurements of the net defined benefit liability, which comprise actuarial gains and losses and the return on plan assets (excluding interest) are recognized immediately in the consolidated statements of other comprehensive income (loss). Past service costs, including curtailment gains or losses, are recognized immediately in our consolidated income statements within operating profit (loss). Settlement gains or losses are recognized within operating (loss) profit in our consolidated income statements.

Benefit Obligations and Funded Status - The following provides a reconciliation of the benefit obligations, plan assets and funded status of the Canadian plans as of December 31, 2023 and 2022:

	2023			2022				
	Canada				Canada			
	Post-			Post-				
	Pension	retirement		Pension	retirement			
	Plans	Plans	Total	Plans	Plans	Total		
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000		
Benefit obligation	20,196	5,742	25,938	18,266	5,497	23,763		
Fair value of plan assets	(19,231)	_	(19,231)	(17,777)	_	(17,777)		
Provision for pensions	965	5,742	6,707	489	5,497	5,986		

All Canadian pension and post-retirement plans are underfunded. At December 31, 2023 and 2022, the accumulated benefit obligation was \$20,196 thousand and \$18,266 thousand for the defined pension plan and \$5,492 thousand and \$5,497 thousand for the post-retirement plans, respectively.

The assumptions used to determine benefit obligations as of December 31, 2023 and 2022 for the Canadian plans are as follows:

	Canada	a - 2023	Canada - 2022		
	Pension Plan	Postretirement Plan	Pension Plan	Postretirement Plan	
Salary increase	2.75% - 3.00%	N/A	2.75% - 3.00%	N/A	
Discount rate	4.65%	4.65%	5.25%	5.25%	
Mortality	CPM2014-Private Scale	CPM2014-Private Scale	CPM2014-Private Scale	CPM2014-Private Scale	
	CPM-B	CPM-B	CPM-B	CPM-B	
Retirement age	58-60	58-60	58-60	58-60	

The discount rate used in calculating the present value of our pension plan obligations is developed based on the BPS&M Pension Discount Curve for 2023 and 2022 and the Mercer Proprietary Yield Curve for 2023 and 2022 for QSLP Pension and post-retirement benefit plans and the expected cash flows of the benefit payments.

The Company expects to make discretionary contributions of \$601 thousand to the defined benefit pension and post-retirement plans for the year ending December 31, 2024.

The pension plans exposes the Company to the following risks:

- (i) Investment risk: The defined benefit obligation is calculated using a discount rate. If the return on plan assets is below this rate, a plan deficit occurs.
- (ii) Interest rate risk: Variation in bond rates will affect the value of the defined benefit obligation.
- (iii) Inflation risk: The defined benefit obligation is calculated assuming a certain level of inflation. An actual inflation higher than expected will have the effect of increasing the value of the defined benefit obligation.

The accumulated non-pension post-retirement benefit obligation has been determined by application of the provisions of the Company's health care and life insurance plans including established maximums, relevant actuarial assumptions and health care cost trend rates projected at 5.0% for 2023 and decreasing to an ultimate rate of 4.0% in fiscal 2040. As of December 31, 2023 and 2022, the effect of a 1% increase on the health care cost trend rate on the non-pension post-retirement benefit obligation is \$926 thousand and \$848 thousand, respectively. As of December 31, 2023 and 2022 the effect of a 1% decrease in health care cost trend rate on the non-pension post-retirement benefit obligation is (\$747) thousand and (\$689) thousand.

The weighted average duration of defined benefit obligation as of December 31, 2023 is 12.46 years (12.42 years in 2022).

The changes to these obligations in the year ended December 31, 2023 and 2022 were as follows:

	2023			2022			
		Canada			Canada		
	Pension	Post-retirement	<u>.</u>	Pension	Post-retirement		
	Plans	Plans	Total	Plans	Plans	Total	
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	
Obligations at the beginning of year	18,266	5,497	23,763	25,349	8,569	33,918	
Service cost	110	205	315	162	301	463	
Borrowing cost	943	287	1,230	773	271	1,044	
Actuarial differences	1,449	(185)	1,264	(5,774)	(3,040)	(8,814)	
Benefits paid	(985)	(183)	(1,168)	(870)	(162)	(1,032)	
Exchange differences	413	121	534	(1,374)	(442)	(1,816)	
Obligations at the end of year	20,196	5,742	25,938	18,266	5,497	23,763	

The plan assets of the defined benefit and retirement and post-retirement plans in Canada are comprised of assets that have quoted market prices in an active market. The breakdown as of December 31, 2023 and 2022 of the assets by class are:

	2023	2022
Cash	<u> </u>	<u> </u>
Equity Mutual Funds	30%	31%
Fixed Income Securities	17%	14%
Assets held by insurance company	53%	55%
Total	100%	100%

For the years ended December 31, 2023 and 2022, the changes in plan assets were as follows:

	2023	2022
	US\$'000	US\$'000
Fair value of plan assets at the beginning of the year	17,777	22,417
Interest income on assets	927	690
Benefits paid	(985)	(870)
Actuarial return on plan assets	803	(3,496)
Exchange differences	397	(1,269)
Other	312	305
Fair value of plan assets at the end of the year	19,231	17,777

South Africa and Venezuela

The Company also maintains defined benefit plans in South Africa and Venezuela which were not material to the Company for the years ended December 31, 2023 and 2022, respectively.

16. Bank borrowings

Bank borrowings comprise the following at December 31:

	2023				
		Non-Current	Current	<u> </u>	
	Limit	Amount	Amount	Total	
	US\$'000	US\$'000	US\$'000	US\$'000	
Borrowings carried at amortized cost:					
Credit facilities	100,000	_	_	_	
Borrowings from receivable factoring facility (Note 9)	66,300	_	30,683	30,683	
Other loans	_	14,913	952	15,865	
Total		14,913	31,635	46,548	

		2022				
		Non-Current	Current			
	Limit	Amount	Amount	Total		
	US\$'000	US\$'000	US\$'000	US\$'000		
Borrowings carried at amortized cost:						
Credit facilities	100,000	_	_	_		
Borrowings from receivable factoring facility (Note 9)	95,994	_	60,976	60,976		
Other loans	_	15,774	1,083	16,857		
Total		15,774	62,059	77,833		

Credit facilities

In June 2022, a Company subsidiary entered into a five-year, \$100 million asset-based revolving credit facility (the "ABL Revolver"), with the Bank of Montreal as lender and agent. The maximum amount available under the ABL Revolver is subject to a borrowing base test comprising North American inventory and accounts receivable. The revolver bears interest at SOFR plus a spread of between 150/175 basis points depending on levels of utilization.

As of December 31, 2023 and 2022, the ABL Revolver remains undrawn, respectively.

Under the ABL credit agreement, the borrowers commit to respect usual affirmative covenants, among others communicating any default or event of default, a change of control, the creation of acquisition of subsidiaries, a casualty or damage to any material used as collateral, maintenance of insurance, compliance with ERISA and the Canadian Pension Laws, and compliance with environmental laws. The borrowers also commit not to create or incur any indebtedness, capital leases in excess of \$7.5 million, create liens, merge, dissolve, divide any borrowers, change the nature of the business, pay dividends, repay indebtedness for the account of holder of Equity Interests of any Loan Party or its affiliates, maintain a financial covenant consolidated fixed charge coverage ratio to be less than 1.00 to 1.00.

Borrowings from receivable factoring facility

In 2020, the Company signed a factoring agreement with a financial institution, to anticipate the collection of receivables issued by the Company's European entities. See Note 9 for further details.

Other Loans

French Loan: In 2020, a Company subsidiary entered into a loan agreement with BNP Paribas to borrow an aggregate principal amount, interest-free, of &4.3 million (\$5.3 million), to finance Company's activities in France. The French government guaranteed the loan in line with special measures taken in response to the COVID-19 pandemic. The loan is to be repaid by 2026. The Company is liable for a fee of 0.5% based on the total borrowed capital. The balance as of December 31, 2023 is \$2,635 thousand (\$3,456 thousand as of December 31, 2022).

The fair value of this loan as of December 31, 2023, based on discounted cash flows at a market interest rate (Level 2), amounts to \$2,486 thousand.

New Market Tax Credit Structure: In June 2022, the Company, through one of its subsidiaries, and United Bank ("Investor") invested through the New Markets Tax Credit ("NMTC") program in the US to reactivate the Company's plant in Selma, Alabama. The reactivation of the plant in Selma, Alabama, in 2022 resulted in us being granted with a \$13,230 thousand allocation by the end of fiscal year 2022 under the NMTC Program.

2023

77,833

Foreign currency exposure of bank borrowings

The breakdown by currency of bank borrowings consist of the following at December 31:

	Non-Current	Current	
	Principal	Principal	
	Amount	Amount	Total
	US\$'000	US\$'000	US\$'000
Borrowings in USD	13,230		13,230
Borrowings in EUR	1,683	31,635	33,318
Total	14,913	31,635	46,548
		2022	
	Non-Current	2022 Current	
	Non-Current Principal		
		Current	Total
	Principal	Current Principal	Total US\$'000
Borrowings in USD	Principal Amount	Current Principal Amount	

Contractual maturity of bank borrowings

Total

The contractual maturity of bank borrowings at December 31, 2023, was as follows:

	2023				
	2024	2026	2029	Total	
	US\$'000	US\$'000	US\$'000	US\$'000	
Borrowings from supplier factoring facility	30,683	_		30,683	
Other loans	952	1,683	13,230	15,865	
Total	31,635	1,683	13,230	46,548	
		-	,		

17. Leases

Lease obligations

Lease obligations as at December 31 are as follows:

	2023		2022			
	Non-		<u>.</u>	Non-		
	Current	Current	Total	Current	Current	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Other leases	20,304	8,083	28,387	12,942	8,929	21,871
Total	20,304	8,083	28,387	12,942	8,929	21,871

As of December 31, 2023 and 2022, Ferroglobe holds short-term leases and low-value leases for which it has elected to recognize right-of-use assets and lease liabilities. Each lease is reflected in the statement of financial position as a right-of-use asset and a lease liability.

Except for the tolling agreement liability discussed in Note 22, the Company has not recorded any expense relating to variable lease payments, for the years ended December 31, 2023, 2022 and 2021, respectively.

The detail, by maturity, of the future payment obligations under leases as of December 31, 2023 is as follows:

	Lease payments
2024	8,083
2025	5,226
2026	3,111
2027	2,563
2028	2,087
2029 and after	7,317
Total	28,387

A rollforward of our lease obligations for the year ended December 31, 2023 and 2022 is as follows:

	2023 USS'000	2022 US\$'000
Balance at January 1,	(21,871)	(18,358)
Additions	(16,707)	(14,979)
Disposals and other	946	713
Interest	(1,715)	(1,587)
Lease payments	11,363	11,590
Exchange differences	(403)	750
Balance at December 31,	(28,387)	(21,871)

Lease liabilities were discounted at the average incremental borrowing rate of 7.4%.

Leases are presented as follows in the consolidated statements of financial position:

	2023 US\$'000	2022 US\$'000
Non-current assets (Note 8)		
Leased land and buildings	26,071	21,245
Leased plant and machinery	41,314	31,358
Accumulated depreciation	(42,540)	(34,622)
Non-current liabilities		
Lease liabilities	(20,304)	(12,942)
Current liabilities		
Lease liabilities	(8,083)	(8,929)
110	6	

Leases are presented as follows in the consolidated income statement:

	2023 USS'000	2022 US\$'000
Depreciation and amortization charges		
Depreciation of right-of-use assets	7,918	4,767
Finance costs		
Interest expense on lease liabilities	1,715	1,587
Exchange differences		
Currency translation losses on lease liabilities	(403)	750
Currency translation gains on right-of-use assets	(69)	(812)
Leases are presented as follows in the consolidated statements of each flows:		

Leases are presented as follows in the consolidated statements of cash flows:

	2023 US\$'000	2022 US\$'000
Payments for:	<u> </u>	
Principal	9,648	10,003
Interest	1,715	1,587

The Company has also identified an embedded lease with respect to its tolling agreement related to the Cee-Dumbría ferroalloys manufacturing plant as described further in Note 22.

18. Debt instruments

Debt instruments comprise the following at December 31:

	2023	2022
	US\$'000	US\$'000
Notes carried at amortized cost (financial liability)		
Secured Reinstated Senior Notes	150,010	349,704
Accrued coupon interest	5,805	13,569
Notes carried at amortized cost (financial asset)		
Secured Reinstated Senior Notes	995	19,048
Accrued coupon interest	40	783
Total net debt instruments	154,780	343,442
		<u> </u>
Amount due for settlement within 12 months	5,765	12,787
Amount due for settlement after 12 months	149,015	330,655
Total	154,780	343,442

In 2017, the Company issued \$350,000 thousand of 9.375% senior unsecured notes due in March 2022 (the "Notes"). Interest was payable semi-annually. In 2021, the Company effected a restructuring of these Notes, with the following terms:

- The Company exchanged 98.6% of the Notes due in 2022 (the "Old Notes") for total consideration of \$1,000 of principal amount, which is comprised of (i) \$1,000 aggregate principal amount of the new 9.375% senior secured notes due in 2025 (the "Reinstated Senior Notes") plus (ii) a fee amounting to \$51,611 thousand, which the Company's Parent applied as cash consideration for a subscription of new ordinary shares of the Company
- new ordinary shares of the Company.

 The Company issued \$60,000 thousand in new 9% senior secured notes due in 2025 ("Super Senior Notes").

In tandem with this restructuring, the Company issued new ordinary shares for total gross proceeds of \$40,000 thousand.

At the completion of the comprehensive refinancing, we recognized a charge of \$90,800 thousand. This related to all the advisory fees and expenses, including equity granted to the noteholders, incurred during the refinancing of the prior 9.375% Notes due 2022, which were deemed to be extinguished at closing and replaced with new 9.375% Reinstated Senior Notes due 2025.

For accounting purposes the refinancing of the Notes was considered a debt extinguishment. As a consequence:

- (i) The Company recognized a finance expense amounting to \$31,700 thousand related to the advisory fees incurred in the exchange of the notes in 2021;
- (ii) Similarly to the transaction fees, the shares issued to the bondholders and the work fee were recognized as a one-off expense, amounting \$51.6 million at market value; and
- (iii) Outstanding upfront fees that had been capitalized at the issuance of the original notes totaling \$1,000 thousand were recorded in the consolidated income statements. Additionally, the gross carrying amount of the amortized cost of the Reinstated Senior Notes was adjusted to reflect actual and revised estimated contractual cash flows. The gross carrying amount of the Reinstated Senior Notes was recalculated as the present value of the estimated future contractual cash flows that are discounted at the effective interest rate of 9.096%. The adjustment recorded was \$6,462 thousand and it was recognized as a finance expense in the consolidated income statements. After the exchange, the Notes were accounted under the amortized cost method.

In June 2022, the Company repurchased \$19,048 thousand of the Reinstated Senior Notes and the corresponding accrued interest coupon amounting to \$641 thousand as of the purchase date. The fair value of the Notes at the purchase date was \$19,121 million and the purchase price was \$1.01 per bond. As the Company has a legally enforceable right to offset the financial liability and the financial asset, and had the intention to settle these financial instruments on a net basis, the Company elected to offset these financial instruments and presents the net amount on the consolidated statements of financial position.

During 2023, the Company via its subsidiary issuers repurchased \$27,390 thousand of Reinstated Senior notes with corresponding accrued interest of \$256 thousand as of the respective purchase dates. The purchase prices ranged from 1.015 to 1.025 throughout the year. In June 2023, the Company settled the financial liability and the financial asset for the 9.375% Senior Notes owned by the Company for a total amount of \$46,438 thousand.

In July 2023, the Company via its subsidiary issuers of the Reinstated Senior Secured Notes partially redeemed such Notes at 102.3475% of the principal amount plus accrued interest. The issuers elect to redeem an aggregate principal amount of \$150.0 million of the Notes plus accrued and unpaid interest of \$14.0 million.

In November 2023, the Company repurchased an additional \$2,000 thousand of Reinstated Senior Notes with corresponding accrued interest of \$31 thousand at a par value of 0.497 at a purchase price of 1.02.

The fair value as of December 31, 2023, of the Reinstated Senior Notes maturing on December 31, 2025, determined by reference to the closing market price on the last trading day of the year (Level 1), was \$152,598 thousand.

Reinstated Senior Notes

Pursuant to the Exchange Offer, Ferroglobe PLC, the UK Issuer and Globe offered to eligible holders of the Old Notes the opportunity to exchange any and all of the Old Notes for new 9.375% senior secured notes due 2025 issued by the UK Issuer and Globe.

The Reinstated Notes are governed by an indenture (the "Reinstated Notes Indenture") entered into by, among others, Ferroglobe Finance Company PLC and Globe, as issuers, GLAS Trustees Limited, as trustee, Global Loan Agency Services Limited, as paying agent, GLAS Trust Corporation Limited, as security agent, and the guarantors named therein. The Reinstated Notes are guaranteed on a senior basis by Ferroglobe and each subsidiary of Ferroglobe that guarantees the UK Issuer's obligations under the Super Senior Notes (other than Globe) (the "Reinstated Notes Guarantors"). The Reinstated Notes mature on December 31, 2025 and are secured by the same collateral that secures the Super Senior Notes.

The Reinstated Notes, and the guarantees thereof, are general secured, senior obligations of Ferroglobe Finance Company PLC and Globe and the Reinstated Notes Guarantors, as applicable, and will rank senior in right of payment to any and all of the existing and future indebtedness of Ferroglobe, Globe and the Reinstated Notes Guarantors, as applicable, that is expressly subordinated in right of payment to the Reinstated Notes and such guarantees, as applicable.

The Reinstated Notes Indenture require us to offer to repurchase all or any part of each holder's Reinstated Notes upon the occurrence of a change of control, as defined in the Reinstated Notes Indenture, at a purchase price equal to 101% of the principal amount, plus accrued and unpaid interest thereon, to the date of purchase.

The Reinstated Notes Indenture restricts, among other things, the ability of Ferroglobe and its restricted subsidiaries to:

- borrow or guarantee additional indebtedness:
- pay dividends, repurchase shares and make distributions of certain other payments;
- make certain investments;
- · create certain liens;
- · merge or consolidate with other entities;
- · enter into certain transactions with affiliates;
- · sell, lease or transfer certain assets, including shares of any restricted subsidiary of Ferroglobe; and
- · guarantee certain types of other indebtedness of Ferroglobe and its restricted subsidiaries without also guaranteeing the Reinstated Notes

Compared to the Old Notes Indenture (prior to certain amendments on July 29, 2021) the Reinstated Notes Indenture have generally more stringent restrictive covenants. Some of these differences include, among others, the following:

- the elimination of baskets or a reduction of basket sizes in the debt covenant, restricted payment covenant, permitted investments,
- permitted liens and asset disposition;
- the addition of a net leverage test in the debt covenant and reduced flexibility in financial calculations;
- requirement to apply certain excess proceeds to repay debt in accordance with the applicable intercreditor agreement;
- · lower event of default thresholds; and
- a 90% guarantor coverage test.

Super Senior Notes

In May 2021, Ferroglobe Finance Company, PLC ("UK issuer") issued a tranche of Super Senior Notes, comprising an initial \$40 million of a maximum possible \$60 million 9.0% senior secured notes due in 2025. Additional Super Senior Notes were issued in July 2021 such that a total of \$60 million in aggregate principal amount was outstanding on such date.

The Super Senior Notes were governed by an indenture (the "Super Senior Notes Indenture") entered into by, among others, the UK Issuer, GLAS Trustees Limited, as trustee, Global Loan Agency Services Limited, as paying agent, GLAS Trust Corporation Limited, as security agent, and the guarantors named therein (the "Super Senior Notes Guarantors"). The Super Senior Notes were to mature on June 30, 2025 and were secured by certain share pledges, bank account pledges, intercompany receivables pledges, inventory pledges and security over certain mine concessions, real property, leases and other assets.

Amongst other conditions, the Super Senior Notes Indenture restricted, among other things, the ability the Company to:

- · borrow or guarantee additional indebtedness;
- · pay dividends, repurchase shares and make distributions of certain other payments;
- · make certain investments;
- · create certain liens;
- · merge or consolidate with other entities;
- · enter into certain transactions with affiliates;
- · sell, lease or transfer certain assets, including shares of any restricted subsidiary of Ferroglobe; and
- guarantee certain types of other indebtedness of Ferroglobe and its restricted subsidiaries without also guaranteeing the Super Senior Notes.

In July 2022, the Super Senior Notes maturing on June 30, 2025 were redeemed at 100% of the principal amount thereof plus accrued interest. The remaining unamortized issuance cost amounting to \$6.0 million were recognized as a finance expense in the consolidated income statements.

Stub Notes

The Stub Notes were senior unsecured obligations of the Issuers and were guaranteed on a senior basis by certain subsidiaries of Ferroglobe. The Company fully settled these notes in Q1 2022.

19. Other financial liabilities

Other financial liabilities comprise the following at December 31:

	2023			2022		
	Non- Current US\$'000	Current US\$'000	Total US\$'000	Non- Current US\$'000	Current US\$'000	Total US\$'000
Financial loans from government agencies:		_				
Reindus loan	23,630	10,797	34,427	_	58,651	58,651
SEPI loan	36,147	1,899	38,046	33,657	1,018	34,675
Other financial liabilities	3,913	1,056	4,969	4,622	713	5,335
Derivative financial instruments (Note 20)	1,541	2,300	3,841	_	_	_
Total	65,231	16,052	81,283	38,279	60,382	98,661

Financial loans from government agencies

Reindus Loan

In 2016, a Company subsidiary entered into a loan agreement with the Spanish Ministry of Industry, Tourism and Commerce (the "Ministry"), as lender, under which the Ministry made available to the borrower a loan in aggregate principal amount of ϵ 44,999 thousand (\$50,223 thousand) in connection with industrial development projects relating to a silicon purification project. The loan is contractually due to be repaid in seven installments over a 10-year period with the first three years as a grace period. Interest on outstanding amounts under the loan accrues at an annual rate of 3.75%. Default interests were calculated at an annual rate of 3.55% until December 31, 2022 and at 4.06% starting on January 1, 2023. In 2021, the Company received a decision from the Administration under which it was agreed to extend the grace period until 2023 and the term of loan, and with completion by 2030.

The agreement governing the loan contains the following limitations on the use of the proceeds of the outstanding loan:

- · The investment of the proceeds must occur between January 1, 2016 and February 24, 2019;
- · The allocation of the proceeds must adhere to certain approved budget categories;
- If the final investment cost is lower than the budgeted amount, the borrower must reimburse the Ministry proportionally; and
- · The borrower must comply with certain statutory restrictions regarding related party transactions and the procurement of goods and services.

In January 25, 2022, the Ministry opened a procedure to accelerate the potential reimbursement of the loan. The company presented its defense on February 15, 2022. As a result, in January 2023, a new resolution was signed by the Ministry terminating the total reimbursement procedure initiated in January 2022. Once that procedure was definitively closed, the company decided to proceed with the foreseen partial early repayment of ϵ 16.3 million (\$17.4 million) in February 2023, in addition to ϵ 3.6 million (\$4.0 million) paid in December 2023 per the repayment schedule.

The Reindus loan fair value as of December 31, 2023 and 2022, based on discounted cash flows at a market interest rate (Level 2), amounts to \$25,490 thousand and \$48,066 thousand respectively.

SEPI Loan

In March, 2022, Ferroglobe Spain Metals, S.A.U. (also "FG Spain", formerly Grupo FerroAtlántica, S.A.U.) and Ferroglobe Corporate Services (also "FG Corporate", formerly Grupo FerroAtlántica de Servicios) (together the "Beneficiaries") and the Sociedad Estatal de Participaciones Industriales ("SEPI"), a Spanish state-owned industrial holding company affiliated with the Ministry of Finance and Administration, entered into a loan agreement of €34.5 million (\$38.3 million). This loan is part of the SEPI fund intended to provide assistance to non-financial companies operating in strategically important sectors within Spain as a result of the COVID-19 pandemic.

The $\[\le 34.5 \]$ million (\$38.3 million) was funded using a dual-tranche loan, with $\[\le 17.25 \]$ million (\$19.15 million) maturing in February 2025 and the second $\[\le 17.25 \]$ million (\$19.15 million) maturing in June 2025. $\[\le 16.9 \]$ million (\$18.8 million) of the loan carries a fixed interest rate of 2% per annum, and interest on the remaining $\[\le 17.6 \]$ million (\$19.5 million) is calculated as IBOR plus a spread of 2.5% in the first year, 3.5% in the second and third years and 5.0% in the fourth year, plus an additional 1.0% payable if the Company reports a positive result before income taxes. The loans are secured by corporate joint guarantees from Ferroglobe, Ferroglobe Holding Company and Ferroglobe Finance Company and certain share pledges, bank account pledges, intercompany receivables pledges, invertory pledges and security over certain real property, and other assets from Ferroglobe Spain Metals and certain of its subsidiaries. These loans are granted at rates that are considered to be below-market rates. The company has calculated the fair value of the loans liability, based on discounted cash flows at a market interest rate (Level 2), resulting in 630,693 thousand (534,149 thousand) as of the grant date. The difference between the fair value and the proceeds received, amounting to $\[\le 3,807 \]$ thousand (\$4,236 thousand), was recorded as a government grant. As of December 31, 2023, the amortized cost of the SEPI loans was \$38,046 thousand.

Until the loans have been fully repaid, the Beneficiaries are subject to several restrictions, including the following prohibited payments:

- payment of dividends;
- · payment of management fee;
- · repayment of intra-group loans;
- · payment of intercompany net commercial balances as of June 30, 2021 (denominated "legacy"), with the exception of \$20.0 million of those balances (intercompany commercial balances generated after Jun-21 are permitted); and
- · payment of interest on intercompany loans corresponding to the years 2021 and 2022, respectively;

If the Company fails to make the payments to which it is obliged, FASEE shall have the option (but never the obligation) to convert all or part of the Participating Loan into share capital of FG Spain.

The loan contains a change of control clause stating that it will be considered change of control and therefore will suppose an early repayment event of the loan: with respect to FG Spain, (i) if Ferroglobe Plc ceases to hold, directly or indirectly, an interest of at least 51% of the voting share capital or, (ii) if Grupo Villar Mir, S.A.U. ceases to hold a stake of at least 35% of the voting share capital of Ferroglobe Plc, or loses the rights to which it is entitled as holder of such stake or more by virtue of the shareholders' agreement of Ferroglobe Plc or (iii) if FG Spain ceases to be the holder, directly or indirectly, of one hundred percent (100%) shareholding in FG Corporate.

Finally, the loan contains a cross-default clause meaning that (A) if any of FG Spain or FG Corporate: (i) defaults on any payment obligation arising from Indebtedness contracted with any other entity for amounts exceeding, during a fiscal year, £2.5 million (\$2.7 million) or (ii) defaults on due and payable payment obligations of a commercial (non-financial) nature assumed with third parties for an individual or cumulative amount exceeding £2.5 million (\$2.7 million) unless such defaults are below the average of the customary commercial defaults that the Beneficiaries or Guarantors have had between fiscal years 2016 to 2019 or (B) if any creditor that has granted Indebtedness to FG Spain or FG Corporate for an amount equal to or greater than £5.0 million), is entitled to declare it liquid, due and payable before its ordinary maturity date.

20. Derivative financial instruments

In August 2023, the Company entered into four virtual Purchase Price Agreements ("aggregated PPA") with Adelanta to hedge its energy pricing. These agreements will become effective in the first half of 2024. The aggregated PPA includes two tranches, the first one from March 2024 to June 2025, when energy will be supplied to the Sabón plant at a fixed price of 75 EUR/MWh on a pay as produced basis, and the second tranche where energy will be supplied at a fixed price of 52 EUR/MWh on a pay as produced basis until June 2033. The fair value of the aggregated PPA as of December 31, 2023 is positive at \$7,413 thousand, which is offset by approximately \$(3,109 thousand) related to the initial fair value of the instrument which has been deferred and is being recognized over the life of the instrument.

In October 2023, the Company entered into an additional virtual Purchase Price Agreement with Energya VM Gestión de Energía, SLU ("Energya VM"), effective from November 2023 through June 2027. Energy will be supplied at a fixed price of 77 EUR/MWh on a pay as produced basis. The fair value of this PPA as of December 31, 2023 is negative at \$699 thousand, and we have also recorded approximately \$(1,815 thousand) related to the initial fair value of the instrument that has been deferred and will be recognized over the life of the instrument.

The fair value of this net settled power purchase agreements as of December 31, 2023 was estimated based on the discounted cash flow methodology. The fair value measurement is based on significant inputs that are directly or indirectly observable in the market, which IFRS 13 refers to as Level 2 inputs. Key assumptions include discount rates, energy volumes and the market electricity price. See *Note 30* for further information.

The net value of the power purchase agreements as of December 31, 2023 is presented in the consolidated statements of financial position as follows:

		Other financial			Other financial	
		assets (Note 9)			liabilities (Note 19)	
	Non-			Non-		
	Current	Current	Total	Current	Current	Total
Derivative financial instruments:						
PPA Adelanta	5,722	_	5,722	_	(1,418)	(1,418)
PPA EnergyaVM		_	_	(1,541)	(882)	(2,423)
Total	5,722		5,722	(1,541)	(2,300)	(3,841)

The Company deems its PPAs to qualify for hedge accounting whereby we record the changes in the fair value of the instruments in "Arising from cash flow hedges" in the consolidated statements of comprehensive income (loss).

The following tables summarize the unrealized and realized gains (losses) related to the derivative instruments:

	Unrealized gain (loss) recognized in Other comprehensive loss	Realized gain (loss) reclassed from Other comprehensive loss to profit and loss
Derivative financial instruments:		
PPA Adelanta	4,582	_
PPA EnergyaVM	(2,337)	83
Total	2,245	83

The purchase commitments for each PPA, in MWh, as of December 31, 2023 is as follows:

			2023		
	Less than 1 year US\$'000	Between 1-2 years US\$'000	Between 2-5 years US\$'000	After 5 years US\$'000	Total US\$'000
PPA Adelanta	54,857	92,913	361,000	557,056	1,065,826
PPA Energya VM	30,750	30,000	45,000		105,750

21. Trade and other payables

Trade and other payables comprise the following at December 31:

	2023	2022
	US\$'000	US\$'000
Payable to suppliers	182,949	219,020
Advances from customers	426	646
Total	183,375	219,666

22. Other obligations

Other obligations comprise the following at December 31:

	2023			2022		
	Non-			Non-		
	Current	Current	Total	Current	Current	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Payable to non-current asset suppliers	336	9,791	10,127	183	4,149	4,332
Guarantees and deposits	14	330	344	12	235	247
Contingent consideration	1,353	379	1,732	3,893	1,945	5,838
Tolling agreement liability	34,180	3,683	37,863	33,414	3,251	36,665
Total	35,883	14,183	50,066	37,502	9,580	47,082

Contingent consideration

On February 1, 2018, the Company acquired 100% of the outstanding ordinary shares of Kintuck (France) SAS and Kintuck AS from a wholly-owned subsidiary of Glencore International AG ("Glencore") and obtained control of both entities. The new subsidiaries were renamed as Ferroglobe Mangan Norge AS and Ferroglobe Manganèse France SAS. The Company completed the acquisition through its wholly-owned subsidiary Ferroglobe Spain Metals (formerly Ferroatlántica). Consideration included both cash and contingent consideration.

The contingent consideration arrangement requires the Company to pay the former owners of Kintuck (France) SAS and Kintuck AS a sliding scale commission based on the silicomanganese and ferromanganese sales spreads of Ferroglobe Mangan Norge (FMN) and Ferroglobe Manganèse France (FMF), up to a maximum amount of \$60,000 thousand (undiscounted). The contingent consideration applies to sales made up to eight and a half years from the date of acquisition and if it applies, the payment is on annual basis. During 2023, the total payments made amounted to \$4,823 thousand (\$18,931 thousand in 2022).

The potential undiscounted amount of the total payments that the Company could be required to make under the contingent consideration arrangement is up to \$60,000 thousand. The accumulated payments as of December 31, 2023 amount to \$27,278 thousand.

The fair value of the contingent consideration arrangement as of December 31, 2023 of \$1,732 thousand (2022: \$5,838 thousand) was estimated by applying the income approach based on a Monte Carlo simulation considering various scenarios of fluctuation of future manganese alloy spreads as well at the cyclicality of manganese alloy pricing. The fair value measurement is based on significant inputs that are not observable in the market, which IFRS 13 refers to as Level 3 inputs.

Key assumptions include discount rates, volumes and manganese spread. The liability has decreased primarily driven by a reduction in the manganese spread driven by higher manganese ore costs and lower selling prices combined with higher operational costs and impact of foreign exchange rates and inflation forecasts. Changes in the value of contingent consideration are presented in the consolidated income statements within "other operating expense".

Tolling agreement liability

In August 2019, Ferroglobe Spain Metals (formerly Grupo FerroAtlántica, S.A.U). sold its 100% interest in the remainder of FerroAtlántica, S.A.U. to Kehlen Industries Management, S.L.U., an affiliate of U.S.-based TPG Sixth Street Partners. The FerroAtlántica, S.A.U. assets transferred by means of this transaction included ten hydroelectric power plants and the Cee-Dumbría ferroalloys manufacturing plant, all located in the province of A Coruña, Spain. Under the terms of the transaction, the Group became exclusive off taker of finished products produced at the smelting plant at Cee and supplier of key raw materials to that facility pursuant to a tolling agreement expiring in 2060.

In November 2020, the Tribunal Superior de Justicia de Galicia dismissed the request of separation of the Cee-Dumbria's hydroelectric plants and the ferroalloys plants. Ferroglobe Spain Metals appealed to the Supreme Court, but in 2021 the appeal was dismissed. As of December 31, 2023, the liability recognized in relation to the tolling agreement amounts to \$37,863 thousand (\$36,665 thousand as of December 2022).

As of January 1, 2023, the Company reclassified its tolling agreement liability to a lease liability in accordance with IFRS 16.

A rollforward of this lease obligation for the year ended December 31, 2023 is as follows:

	2023
	US\$'000
Balance at January 1,	36,665
Additions	_
Disposals and other	_
Interest	3,484
Lease payments	(3,604)
Exchange differences	1,318
Balance at December 31,	37,863

The lease liability was discounted at the incremental borrowing rate of 9.375%.

For the year ended December 31, 2023, Ferroglobe has recorded an expense for variable lease payments of \$55,574 thousand, related to the purchase of key raw materials, energy costs, personnel expenses and other overhead costs assumed by the Company as per the tolling agreement. Future variable lease payments are currently unknown as they depend on the actual production at the Cee-Dumbria plant in a given year as well as a variety of other factors including energy prices and raw material prices in future years. Assuming production levels and other factors stay constant in future years, our annual future variable lease payments are expected to remain approximately consistent.

Please refer to Note 29 for the detail, by maturity, of the non-current payment obligations under this lease as of December 31, 2023.

23. Other liabilities

Other liabilities comprise the following at December 31:

		2023			2022	
	Non-			Non-		
	Current	Current	Total	Current	Current	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Remuneration payable	_	63,091	63,091	_	55,791	55,791
Tax payables	_	27,960	27,960	_	37,628	37,628
Other liabilities	199	10,152	10,351	12	11,113	11,125
Total	199	101,203	101,402	12	104,532	104,544
					,	

Tax payables

Tax payables comprise the following at December 31:

	As of year ended	December 31
	2023	2022
	US\$'000	US\$'000
VAT	17,384	20,905
Accrued social security taxes payable	6,444	6,195
Personal income tax withholding payable	927	896
Other	3,205	9,632
Total	27,960	37,628

24. Tax matters

The components of current and deferred income tax expense (benefit) are as follows:

	2023 US\$'000	2022 US\$'000	2021 US\$'000
Consolidated income statement			
Current income tax			
Current income tax charge	62,110	144,246	5,284
Adjustments in current income tax in respect of prior years	(1,533)	(5,681)	_
Total	60,577	138,565	5,284
Deferred tax			
Origination and reversal of temporary differences	(3,216)	15,032	(9,954)
Impact of tax rate changes	(555)	460	_
Write-down of deferred tax assets	_	(1,448)	_
Adjustments in deferred tax in respect of prior years	734	(4,626)	108
Total	(3,037)	9,418	(9,846)
Income tax expense (benefit)	57,540	147,983	(4,562)

As the Company has significant business operations in Spain, France, South Africa and the United States, a weighted blended statutory tax rate is considered to be appropriate in estimating the Company's effective tax rate. The following is a reconciliation of tax expense based on a weighted blended statutory income tax rate to our effective income tax expense for the years ended December 31, 2023, 2022, and 2021:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Accounting profit/(loss) before income tax	160,667	602,660	(119,936)
At weighted statutory tax rate of 31% (2022: 26% and 2021: 19%)	50,557	157,620	(22,650)
Non-deductible income/ (expenses)	1,429	(5,920)	(11,399)
Differing territorial tax rates	(555)	591	2,603
Adjustments in respect of prior periods	(799)	1,368	_
Other items	7,558	7,539	27,884
Elimination of effect of interest in partnerships	(1,451)	(913)	(782)
Other permanent differences	95	159	(673)
Incentives and deductions	827	(11,740)	88
U.S State taxes	(121)	(721)	367
Income tax expense (benefit)	57,540	147,983	(4,562)

Other items mainly comprise unrecognized temporary differences.

Deferred tax assets and liabilities

For the year ended December 31, 2023:

	Opening	Recogni	zed in	Write-down of Deferred Tax	Exchange	Closing
	Balance US\$'000	P&L US\$'000	OCI US\$'000	Assets/Liabilities US\$'000	Differences US\$'000	Balance US\$'000
Intangible assets	(13,978)	884			(488)	(13,582)
Provisions	38,011	(442)	1,500	(5,836)	869	34,102
Property, plant & equipment	(54,730)	3,195	_	5,836	294	(45,405)
Inventories	1,186	232	_	_	(2)	1,416
Hedging Instruments	_	_	(767)	_	200	(567)
Tax losses	3,259	(1,528)	_	_	_	1,731
Incentives & credits	32	(32)	_	_	_	_
Other	(2,498)	728	_	_	253	(1,517)
Total	(28,718)	3,037	733		1,126	(23,822)

For the year ended December 31, 2022:

				Write-down of		
	Opening	Recognized	l in	Deferred Tax	Exchange	Closing
	Balance	P&L	OCI	Assets/Liabilities	Differences	Balance
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Intangible assets	(451)	(14,014)	_	496	(9)	(13,978)
Provisions	21,672	9,090	(1,416)	9,347	(682)	38,011
Property, plant & equipment	(52,231)	3,920	_	(8,089)	1,670	(54,730)
Inventories	_	480	_	708	(2)	1,186
Tax losses	6,353	(5,894)	_	2,595	205	3,259
Incentives & credits	9,333	(254)	_	(8,542)	(505)	32
Partnership interest	(8,514)	_	_	8,514	_	_
Other	5,703	(2,746)	(666)	(4,425)	(364)	(2,498)
Total	(18,135)	(9,418)	(2,082)	604	313	(28,718)

Presented in the statement of financial position as follows:

	2023 US\$'000	2022 US\$'000
Deferred tax assets	37,250	44,644
Deferred tax liabilities	(61,072)	(73,362)
Offset between deferred tax assets and deferred tax liabilities	28,490	37,508
Total deferred tax assets due to temporary differences recognized in the statement of financial position	8,760	7,136
Total deferred tax liabilities due to temporary differences recognized in the statement of financial position	(32,582)	(35,854)

Unrecognized deductible temporary differences, unused tax losses and unused tax credits

			2023					2022		
	Spain	USA	UK	Other	Total	Spain	USA	UK	Other	Total
Unused tax losses	201,476	235,296	143,750	56,055	636,577	183,225	252,848	102,800	48,622	587,495
Unused tax credits	_	_	_	_	_	_	6,761	_	_	6,761
Unrecognized deductible temporary										
differences	62,737	_	44,837	9,166	116,741	75,093	21,433	44,837	66,648	208,011
Total	264,213	235,296	188,587	65,221	753,318	258,318	281,042	147,637	115,270	802,267

In general terms, neither the unused tax losses nor the tax credits have an expiration date in the jurisdictions from which they derive.

Unused tax losses have increased in 2023 compared to 2022 due to the losses in some jurisdictions, mainly in the UK and Spain. Management has decided to record the respective deferred tax assets corresponding to the jurisdictions where taxable profit is expected to be generated in the short and medium-term. There is uncertainty and estimation involved in future taxable profits in long-term, however no material changes expected in the next financial year for the unrecognized unused tax losses.

Management of tax risks

The Company is committed to conducting its tax affairs consistent with the following objectives:

- (i) to comply with relevant laws, rules, regulations, and reporting and disclosure requirements in whichever jurisdiction it operates;
- (ii) to maintain mutual trust, transparency, and respect in its dealings with all tax authorities; and
- (iii) to adhere with best practice and comply with the Company's internal corporate governance procedures, including but not limited to its Code of Conduct

The Group's tax department maintains a tax risk register on a jurisdictional basis.

In the jurisdictions in which the Company operates, tax returns cannot be deemed final until they have been audited by the tax authorities or until the statute-of-limitations has expired. The number of open tax years subject to examination varies depending on the tax jurisdiction. In general, the Company has the last four years open to review. The criteria that the tax authorities might adopt in relation to the years open for review could give rise to tax liabilities which cannot be quantified. As of December 31, 2023 there are inspection procedures ongoing in Spain and France but we do not expect a material impact resulting from both procedures.

On December 22, 2022, the EU approved the Minimum Tax Directive (Pillar Two). The Directive requires Member States to transpose the rules into domestic law by December 31, 2023. The main rule of the Directive (so called Income Inclusion Rule or IIR) became effective on December 31, 2023 with the backstop rule (so called Undertaxed Profits Rule or UTPR) becoming effective on or after December 31, 2024. The Directive provides the option for Member States to implement a qualified domestic top-up tax (QDMTT) that operates to increase the domestic tax liability of in-scope MNE groups within a jurisdiction to the minimum effective tax rate of 15% of profits. Spain and France have enacted legislation implementing this Directive. On 20 June 2023, Finance (No.2) Act 2023 was substantively enacted in the UK, introducing a global minimum effective tax rate of 15% in application of the GloBE rules from the OECD. The legislation implements a domestic top-up tax and a multinational top-up tax, effective for accounting periods starting on or after December 31, 2023. There are transitional safe harbors which can apply in certain circumstances which can remove the requirement to do the full detailed calculations for the first 3 years after the effective date.

Based on the UK transitional safe harbor analysis we have performed using our 2022 financial statements and the Country-by-Country Reporting data, according to UK legislation, the Group anticipates that it is not probable that Pillar Two will have a material impact on the group going forward. We are aware that there are several jurisdictions that have substantively enacted a qualifying domestic minimum top up tax that may also include safe harbor rules that may apply differently to the UK legislation. These have not been assessed but will be assessed and monitored by the company on a go-forward basis.

25. Related party transactions and balances

Balances with related parties at December 31 are as follows:

		2023					
	Receivab	les	Payables				
	Non-Current	Non-Current Current		Current			
	US\$'000	US\$'000	US\$'000	US\$'000			
Inmobiliaria Espacio, S.A.		2,772					
Enérgya VM Gestión de la Energía, S.L.	1,658	_	_	2,429			
Total	1,658	2,772	_	2,429			
		<u> </u>					

	2022					
	Receivah	les	Payables			
	Non-Current Current US\$'000 US\$'000		Non-Current US\$'000	Current US\$'000		
	055'000		US\$ 000	083,000		
Inmobiliaria Espacio, S.A.	_	2,675	_	_		
Villar Mir Energía, S.L.U.	1,600	_	_	(10)		
Enérgya VM Gestión de la Energía, S.L.	_	_	_	1,800		
Total	1,600	2,675		1,790		

The loan granted to Inmobiliaria Espacio, S.A. accrues a market interest (EURIBOR three-month rate plus 2.75%) and has a maturity in the short-term that is renewed tacitly upon maturity. Unless the parties agree to the repayment, the loan is extended automatically for one year.

The balances with the other related parties arose as a result of the commercial transactions performed with them (see explanation of main transactions below).

Transactions with related parties for the years ended December 31 2023, 2022 and 2021 are as follows:

	2023	
	Raw materials	Other
	and energy	Operating
	consumption for production	Expenses
	US\$'000	US\$'000
Villar Mir Energía, S.L.U.	(18)	1
Enérgya VM Gestión de la Energía, S.L.	35,980	1,137
Other related parties	_	55
Total	35,962	1,193
	2022	
	Raw materials	Other
	and energy	Operating
	consumption for production	Expenses
	US\$'000	US\$'000
Villar Mir Energía, S.L.U.	128,211	1,612
Espacio Information Technology, S.A.U.	_	1,008
Enérgya VM Gestión de la Energía, S.L.	4,506	646
Other related parties	<u> </u>	101
Total	132,717	3,367

	2021				
	Raw materials	Other			
	and energy	Operating			
	consumption for production	Expenses			
	US\$'000	US\$'000			
Villar Mir Energía, S.L.U.	132,566	1,365			
Espacio Information Technology, S.A.U.	_	3,266			
Enérgya VM Gestión de la Energía, S.L.	_	120			
Aurinka	_	111			
Other related parties	_	68			
Total	132,566	4,930			

"Raw Materials and energy consumption for production" of the related parties from Energya VM Gestión de Energía, SLU ("Energya VM") relates to the purchase of energy from the latter by the Company's Europe – Manganese Alloys and Europe – Silicon Metals & Silicon Alloys segment. The agreement was assigned from Villar Mir Energía SLU to Energya VM on October 15, 2022. The Company pays Energya VM a service charge in addition to paying for the cost of energy purchase from the market. The contracts allow for the purchase of energy from the grid at market conditions without incurring costs normally associated with operating in the complex wholesale power market, as well as to apply for fixed price arrangements in advance from Energya VM, based on the energy markets for the power, period and profile applied for. The contracts have a term of one year, which can be extended by the mutual consent of the parties to the contract. In January 2021, the contracts were renewed for two years with the possibility to extend it for additional one-year periods unless terminated with thirty days' notice.

In December 2022, Ferroglobe Spain Metals and Energya VM entered into a Power Purchase Agreement (PPA). Under this PPA, VM Energía would supply to Sabón plant 65 GW on a pay as produced basis during 10 years from the commencement of operation of the Plants. This PPA would cover 10% of the total power consumption of the Sabón plant. The agreement was cancelled in February 2023.

In October 2023, the Company entered into an additional Purchase Price Agreement with Energya VM, effective on November 1, 2023 until June 30, 2027. Energy will be supplied at a fixed price of 77 EUR/MWh on a pay as produced basis (See Note 20).

"Other operating expenses" corresponds to the payment to Energya VM that provides the energy needs of the mining facilities operated by Ferroglobe RAMSA Mining and Ferroglobe Cuarzos Industriales mining in the wholesale power market.

Additionally, in 2022, they also corresponded to the payment to Espacio Information Technology, S.A. ("Espacio I.T."), who provided information technology and data processing services to Ferroglobe PLC and certain of its direct and indirect subsidiaries pursuant to several contracts. In April 2022, Grupo VM sold its interest in Espacio I.T. so those transactions do not involve a Grupo VM subsidiary and therefore from that date forward should no longer be considered as related party transactions.

26. Guarantee commitments to third parties and contingent liabilities

Guarantee commitments to third parties

As of December 31, 2023 and 2022, the Company has provided commitments to third parties amounting to \$7,249 thousand and \$7,905 thousand, respectively. The Company has estimated a remote likelihood for potential loss allowance and has not recorded an associated provision.

Contingent liabilities

In the ordinary course of its business, Ferroglobe is subject to lawsuits, investigations, claims and proceedings, including, but not limited to, contractual disputes and employment, environmental, health and safety matters. Although we cannot predict with certainty the ultimate resolution of lawsuits, investigations, claims and proceedings asserted against it, we do not believe any currently pending legal proceeding to which it is a party will have a material adverse effect on its business, prospects, financial condition, cash flows, results of operations or liquidity.

Stamp Tax litigation procedure

In February 2021, the Central Economic-Administrative Court ruled against the interest of Ferroglobe in a stamp duty litigation procedure initiated in 2015, where the taxpayer is Abanca. Ferroglobe agreed with Abanca that it continues the litigation at the judiciary level by filing an appeal before the Audiencia Nacional. In January 2023, Audiencia Nacional affirmed the stamp duty reassessment against Abanca but voided the proposed penalty of approximately €600 thousand (\$663 thousand). Request for appeal for review of the stamp duty reassessment has been filed before the Spanish Supreme Court. As a result of the continuation of this litigation process, with the appropriate granting of bank guarantee by the taxpayer (Abanca), the tax reassessment of approximately €1.4 million (\$1.6 million) plus delayed interest is not due at this stage of the process.

Asbestos-related claims

Certain employees of Ferroglobe France, SAS (formerly known as Pechiney Electrometallurgie, S.A. and then known as FerroPem, SAS) may have been exposed to asbestos at its plants in France (Le Giffre which closed in 1993 and Marginac which closed in 2003) in the decades prior to Ferroglobe Group's purchase of that business in December 2004. During the period in question, PEM was wholly-owned by Pechiney Bâtiments, S.A., which had certain indemnification obligations to Ferroglobe pursuant to the 2004 Share Sale and Purchase Agreement under which Ferroglobe acquired PEM. As of December 31, 2022, approximately 100 such employees have "declared" asbestos-related injury to the French social security agencies. Approximately three quarters of these cases now have been closed. Of the remaining cases, approximately half include assertions of "inexcusable negligence" ("faute inexcusable") which, if upheld, may lead to material liability in the aggregate on the part of Ferroglobe France. Other employees may declare further asbestos-related injuries in the future, and may likewise assert inexcusable negligence. Litigation against, and material liability on the part of, Ferroglobe France will not necessarily arrise in each case, and to date a majority of such declared injuries have been minor and have not led to significant liability on Ferroglobe France's part. Whether liability for "inexcusable negligence" will be found is determined case-by-case, often over a period of years, depending on the evolution of the claimant's asbestos-related condition, the possibility that the claimant was exposed while working for other employers and, where asserted, the claimant's ability to prove inexcusable negligence on PEM's part. Because of these and other uncertainties, no reliable estimate can be made of Ferroglobe France's eventual liability in these matters, with exception of three grave cases that were litigated through the appeal process and in which claimants' assertions of inexcusable negligence were upheld against Ferroglobe Fr

Environmental matters

In August 2023, Ferroglobe Metallurgical USA, Inc. (formerly known as Globe Metallurgical Inc.) entered into Consent Decree with the U.S. Department of Justice and the U.S. Environmental Protection Agency (the "EPA") to resolve two Notices of Violation/Findings of Violation ("NOV/FOV") that the EPA issued to the Beverly, Ohio, facility. The first NOV/FOV was issued on July 1, 2015 and alleged certain violations of the Prevention of Significant Deterioration ("PSD") and New Source Performance Standards provisions of the Clean Air Act associated with a 2013 project performed at the Beverly facility. The second NOV/FOV was issued on December 6, 2016 and alleged opacity exceedances at certain units, the failure to prevent the release of particulate emissions through the use of furnace hoods at a certain unit, and the failure to install Reasonably Available Control Measures (as defined) at certain emission units at the Beverly facility. Pursuant to the terms of the Consent Decree, the Company is required to install additional pollution control equipment, implement other measures to reduce emissions from the facility, including limits on sulfur content in raw materials, as well as pay a civil penalty of \$2,639 thousand. The Court entered the Consent Decree on October 12, 2023, and the Company paid the civil penalty on November 6, 2023.

Other legal procedures

In the first quarter of 2023, Ferroglobe Metallurgical USA, Inc. (formerly known as Globe Metallurgical Inc.) reached full and final settlements of civil lawsuits arising out of 2018 incident at the Selma, Alabama, facility in which two employees were injured, one of whom later died. The Company's insurer settled those claims for \$18,000 thousand and paid the amounts directly.

27. Income and expenses

27.1 Sales

Sales by geographical area of our customer locations for the years ended December 31 are as follows:

	2023 US\$'000	2022 US\$'000	2021 US\$'000
Spain	169,390	282,387	251,528
Germany	276,333	442,331	292,774
Other European Countries	199,789	423,002	383,578
USA	670,854	966,161	515,095
Rest of World	333,668	484,035	335,933
Total	1,650,034	2,597,916	1,778,908

27.2 Raw materials and energy consumption for production

Raw materials and energy consumption for production are comprised of the following for the years ended December 31:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Purchases of raw materials, supplies and goods	732,661	793,014	581,991
Changes in inventories	83,033	(163,430)	(74,361)
Energy	(28,651)	324,218	351,083
Others	78,556	301,419	325,088
Write-down of raw materials	2,192	12,342	_
Write-down of finished goods	11,495	17,523	1,095
Total	879,286	1,285,086	1,184,896

For the year ended December 31, 2023, the energy cost has been reduced by the ARENH benefit and separate contract received from our French energy provider amounting to \$186,211 thousand (See Note 12).

27.3 Other operating income

Other operating income is comprised of the following for the years ended December 31:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Energy		53,802	
Carbon dioxide emissions allowances	80,316	88,952	103,044
Others	20,676	4,602	7,041
Total	100,992	147,356	110,085

Carbon dioxide emission allowances arise from the difference between the fair value of the allowances granted and the nominal amount paid. The deferred income is recognized as "other operating income" on a systematic basis on the proportion of the carbon dioxide emitted over total carbon dioxide expected to be emitted for the compliance period on the consolidated income statements (see Note 14). During 2023, the Company has recorded an income related to this totaling \$80,316 thousand (\$88,952 thousand in 2022 and \$103,044 thousand in 2021).

As the Company emits carbon dioxide, it recognizes a provision for its obligation to deliver the carbon dioxide emissions allowances at the end of the compliance period. The provision is remeasured and recorded as an expense at the end of each reporting period at historical cost for the emission rights (allowances). Provision for its obligation to deliver the carbon dioxide emissions is presented in the consolidated income statements.

During the year ended December 31, 2023, the Company recognized an income of \$10,164 thousand classified within others, related to a contingent consideration resulting from the agreement entered with Kehlen Industries Management, S.L., for the sale of the hydro-electric assets in 2019.

Energy income in 2022 mainly related to the benefit received from our French energy provider to stop production in Q4 2022.

27.4 Staff costs

The average monthly number of employees (including Executive Directors) was:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Directors	9	9	8
Senior Managers	316	288	289
Employees	3,214	3,173	2,997
Total	3,539	3,470	3,294

Refer to the Directors' Remuneration Report on page 35 of these financial statements for additional information.

Staff costs are comprised of the following for the years ended December 31:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Wages, salaries and similar expenses	220,293	232,880	214,374
Pension plan contributions	7,978	7,977	7,571
Employee benefit costs	77,588	73,953	58,972
Total	305,859	314,810	280,917

Share-based compensation

Equity Incentive Plan

On May 29, 2016, the board of Ferroglobe PLC adopted the Ferroglobe PLC Equity Incentive Plan (the "Plan") and on June 29, 2016 the Plan was approved by the shareholders of the Company. The Plan is a discretionary benefit offered by Ferroglobe PLC for the benefit of selected senior employees of Ferroglobe PLC and its subsidiaries. The Plan's main purpose is to reward and foster performance through share ownership. Awards under the plan may be structured either as conditional share awards or options with a \$\frac{5}{11}\$ exercise price (nil cost options) for awards granted prior to 2021, and with a strike of 0.01 for awards granted since 2021. The awards are subject to a service condition of three years from the date of grant in the case of the options granted in 2017, 2018, 2019, 2022 and 2023, and four years from the date of grant in the case of the options granted in 2020, in each case to the extent that performance conditions are satisfied, and subject to continued service with the Company, remain exercisable until the tenth anniversary of their grant date. In the case of the options granted in 2021 the options vest on January 1, 2024.

Details of the Plan awards during the current and prior years are as follows:

	Number of
	awards
Outstanding as of December 31, 2020	3,411,974
Granted during the period	1,307,934
Exercised during the period	(309,462)
Expired/forfeited during the period	(51,010)
Outstanding as of December 31, 2021	4,359,436
Granted during the period	848,710
Exercised during the period	(208,076)
Expired/forfeited during the period	(1,198,364)
Outstanding as of December 31, 2022	3,801,706
Granted during the period	1,044,449
Exercised during the period	(7,986)
Expired/forfeited during the period	(277,576)
Outstanding as of December 31, 2023	4,560,593
Exercisable as of December 31, 2023	336,399

The awards outstanding under the Plan at December 31, 2023 and December 31, 2022 were as follows:

				Fair Value at		
Grant Date	Performance Period	Expiration Date	Exercise Price	Grant Date	2023	2022
May 30, 2023	December 31, 2025	May 30, 2033	0.01	\$ 6.64	1,044,449	_
September 22, 2022	December 31, 2024	September 22, 2032	0.01	\$ 8.53	571,134	848,710
September 9, 2021	December 31, 2021	September 9, 2031	0.01	\$ 8.83	1,255,824	1,255,824
December 16, 2020	December 31, 2020	December 16, 2030	nil	\$ 1.23	1,352,788	1,352,788
March 13, 2019	December 31, 2021	March 13, 2029	nil	\$ 2.69	129,824	136,682
June 14, 2018	N/A	June 14, 2028	nil	\$ 9.34	44,650	44,650
March 21, 2018	December 31, 2020	March 21, 2028	nil	\$ 22.56	51,690	52,819
June 20, 2017	December 31, 2019	June 20, 2027	nil	\$ 15.90	_	_
June 1, 2017	N/A	June 1, 2027	nil	\$ 10.96	_	_
June 1, 2017	December 31, 2019	June 1, 2027	nil	\$ 16.77	77,712	77,712
November 24, 2016	December 31, 2018	November 24, 2026	nil	\$ 16.66	32,522	32,521
					4,560,593	3,801,706

The awards outstanding as of December 31, 2023 have a weighted average remaining contractual life of 8.52 years (8.33 years in 2022 and 8.37 years in 2021).

The weighted average share price at the date of exercise for stock options exercised in the year ended December 31, 2023 was \$4.92 (\$6.46 in 2022 and \$5.28 in 2021).

As of December 31, 2023, 4,515,944 of the outstanding awards were subject to performance conditions (3,757,056 awards in 2022 and 4,287,828 awards in 2021). For those awards subject to performance conditions, upon completion of the three-year service period, the recipient will receive a number of shares or nil cost options of between 0% and 200% of the above award numbers, depending on the financial performance of the Company during the performance period. The performance conditions for the shares granted in 2023 can be summarized as follows:

Vesting Conditions

40% based cumulative earnings before interest and tax (EBIT) 40% based on cumulative operational cash flow

20% based on total shareholder return (TSR) relative to a comparator group

There were no performance obligations linked to 44,650 of the outstanding awards at December 31, 2023 (44,650 awards in 2022 and 71,608 awards in 2021). These awards were issued as deferred bonus awards and vested subject to remaining in employment for three years.

Fair Value

The weighted average fair value of the awards granted during the year ended December 31, 2023 was \$6.64 (\$8.53 and 8.83 in 2021). The Company estimates the fair value of the awards using Stochastic and Black-Scholes option pricing models (Level 3). Where relevant, the expected life used in the model has been adjusted for the remaining time from the date of valuation until options are expected to be received, exercise restrictions (including the probability of meeting market conditions attached to the option), and performance considerations. Expected volatility is calculated over the period commensurate with the remainder of the performance period immediately prior to the date of grant.

The following assumptions were used to estimate the fair value of the awards:

	Grant date					
	M	lay 30, 2023	Sep	otember 22, 2022		September 9, 2021
Grant date share price	\$	4.50	\$	5.76	\$	8.57
Exercise price		0.01		0.01		0.01
Expected volatility		87.7%		94.28%		104,75%
Option life		3.00 years		3.00 years		2.31 years
Dividend yield		_		_		_
Risk-free interest rate		4.13%		4.12%		0.28%
Remaining performance period at grant date (years)		3.00		3.00		2,31
Company TSR at grant date		0,64%		(27.2)%		N/A%
Median comparator group TSR at grant date		10.5		10.5		N/A

The Company's TSR relative to the median comparator group TSR and median index TSR at grant date may impact the grant date fair value; starting from an advantaged position increases the fair value and starting from a disadvantaged position decreases the fair value.

To model the impact of the TSR performance conditions, we have calculated the volatility of the comparator group using the same method used to calculate the Company's volatility, using historical data, where available, which matches the length of the remaining performance period grant date.

The Company's correlation with its comparator group was assessed on the basis of all comparator group correlations, regardless of the degree of correlation, have been incorporated into the valuation model.

For the year ended December 31, 2023, share-based compensation expense related to all non-vested awards amounted to \$7,402 thousand, which is recorded in staff costs (\$5,836 thousand in 2022 and \$3,627 thousand in 2021).

27.5 Other operating expenses

Other operating expenses are comprised of the following for the years ended December 31:

	2023 US\$'000	2022 US\$'000	2021 US\$'000
Carbon dioxide credit	81,870	100,220	129,267
Services of independent professionals	40,687	74,552	40,891
Freight cost	51,415	78,245	56,941
Insurance premiums	15,506	14,963	11,019
Tax	11,280	15,919	12,892
Other operating expenses	69,332	62,353	45,799
Total	270,090	346,252	296,809

27.6 Depreciation and amortization charges

Depreciation and amortization charges are comprised of the following for the years ended December 31:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Amortization of intangible assets (Note 7)	663	725	7,241
Depreciation of property, plant and equipment (Note 8)	72,869	80,834	90,087
Total	73,532	81,559	97,328

27.7 Finance income and finance costs

Finance income is comprised of the following for the years ended December 31:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Other finance income	5,422	2,274	253
Total	5,422	2,274	253

Other finance income as of December 31, 2023 is mainly due to the Reinstated Notes repurchases by \$1,413 thousand and \$1,675 thousand from money market funds.

Finance costs are comprised of the following for the years ended December 31:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Interest on debt instruments (Note 18)	24,414	40,913	42,579
Interest on loans and bank borrowings (Note 16 and Note 19)	3,794	9,482	12,584
Interest on leases (Note 17)	1,715	1,587	1,100
Interest on note and bill discounting	127	125	88
Other finance costs	8,743	8,908	92,838
Total	38,793	61,015	149,189

Interest on debt instruments has decreased as of December 31, 2023 due to the partial redemption of the Reinstated Notes by \$150.0 million in July 2023 (see Note 18).

At the completion of the comprehensive refinancing, the Company recorded a finance cost of \$90,800 thousand for the year ended December 31, 2021 (See Note 18).

27.8 Impairment loss (gain)

Impairment loss (gain) is comprised of the following for the years ended December 31:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Impairment of intangible assets (Note 7)			(1,153)
Impairment of property, plant and equipment (Note 8)	(25,768)	(56,999)	1,663
Impairment of non-current financial assets	478	_	(373)
Impairment loss (gain)	(25,290)	(56,999)	137
		·	

28. Remuneration of key management personnel

The remuneration of the key management personnel (14, 14 and 12 employees for the years ended December 31, 2023, 2022 and 2021 respectively), which comprises the Company's management committee, during the years ended December 31 is as follows:

	2023	2022	2021
	US\$'000	US\$'000	US\$'000
Fixed remuneration	5,894	5,404	5,244
Variable remuneration	4,492	5,199	1,209
Contributions to pension plans and insurance policies	299	315	373
Share-based compensation	7,402	5,937	3,627
Termination benefits	262	316	119
Other remuneration	18	16	17
Total	18,367	17,187	10,589

During 2023, 2022 and 2021, no loans and advances have been granted to key management personnel.

29. Financial risk management

Ferroglobe operates in an international and cyclical industry which exposes it to a variety of financial risks such as currency risk, liquidity risk, interest rate risk, credit risk and risks relating to the price of finished goods, raw materials and power.

The Company's management model aims to minimize the potential adverse impact of such risks upon the Company's financial performance. Risk is managed by the Company's executive management, supported by the Risk Management, Treasury and Finance functions. The risk management process includes identifying and evaluating financial risks in conjunction with the Company's operations and quantifying them by project, region and subsidiary. Management provides written policies for global risk management, as well as for specific areas such as foreign currency risk, credit risk, interest rate risk, liquidity risk, the use of hedging instruments and derivatives, and investment of surplus liquidity.

The financial risks to which the Company is exposed in carrying out its business activities are as follows:

a) Market risk

Market risk is the risk that the Company's future cash flows or the fair value of its financial instruments will fluctuate because of changes in market prices. The primary market risks to which the Company is exposed comprise foreign currency risk, interest rate risk and risks related to power.

Foreign currency risk

Ferroglobe generates sales revenue and incurs operating costs in various currencies. The prices of finished goods are to a large extent determined in international markets, primarily in USD and Euros. Foreign currency risk is partly mitigated by the generation of sales revenue, the purchase of raw materials and other operating costs being denominated in the same currencies. Although it has done so on occasions in the past, and may decide to do so in the future, the Company does not generally enter into foreign currency derivatives in relation to its operating cash flows. As of December 31, 2023 and December 31, 2022, the Company was not party to any foreign currency forward contracts.

In July 2021, the Company completed a restructuring of its \$350,000 thousand of senior unsecured Notes due 2022. This included the issue of additionally \$60,000 thousand (which were fully repaid in June 2022) of super senior secured Notes due 2025 (see *Note 18*) and the repayment of certain existing indebtedness denominated in a number of currencies across its subsidiaries. The Company is exposed to foreign exchange risk as the interest and principal of the Notes is payable in USD, whereas its operations principally generate a combination of USD and Euro cash flows. As of December 31, 2023 the debt balance related to the Reinstated Notes was \$154,780 thousand, which has been fully repaid in February 2024.

During the year ended December 31, 2023 and 2022 the Company did not enter into any cross currency swaps.

Foreign currency sensitivity analysis

The Company's exposure to foreign currency risk arises from the translation of the foreign currency exchange gains and losses on cash and cash equivalents, accounts receivable, accounts payable and inventories that are denominated in foreign currency.

Depreciation or appreciation of the USD by 10% against EUR, CAD and ZAR at December 31, 2023, while all other variables were remained constant, would have increased or (decreased) the net profit before tax of \$16,502 thousand (\$62,764 thousand in 2022).

Interest rate risk

Ferroglobe is exposed to interest rate risk in respect of its financial liabilities that bear interest at floating rates. These primarily comprise credit facilities (see Note 16) and lease commitments (see Note 17).

During the years ended December 31, 2023 and 2022, the Company did not enter into any interest rate derivatives in relation to its interest bearing credit facilities.

Interest Rate Sensitivity analysis

At December 31, 2023, an increase of 1% in interest rates would have given rise to additional borrowing costs of \$604 thousand (2022: \$812 thousand).

Dower riel

Power generally constitutes one of the larger expenses for most of Ferroglobe's products. Ferroglobe focuses on minimizing energy prices and unit consumption throughout its operations by concentrating its silicon and manganese-based alloy production during periods when energy prices are lower. In 2023, Ferroglobe's total power consumption was 5,834 gigawatt-hours (6,431 in 2022), with power contracts that vary across its operations.

In 2023, Ferroglobe has engaged discussions with energy companies to secure Purchasing Power Agreements ("PPAs") based on Solar and wind generation. Two wind PPAs were signed in 2023 with a total volume of 130 GWh at a fixed price between 77 and 50 EUR/MWh.

Certain of the Company's subsidiaries have their power needs covered by a three-year agreement ending in 2025. Regulation enacted in 2015 enables French subsidiaries of the Company to benefit from reduced transmission tariffs, interruptibility compensation (an agreement whereby the companies agree to interrupt production in response to surges in demand across the French electricity grid), as well as receiving compensation for indirect carbon dioxide costs under the EU Emission Trading System (ETS) regulation.

Power Risk Sensitivity analysis

At December 31, 2023 a 10% change in total power consumption would yield a \$22,333 thousand increase or (decrease) in our energy expenditures and resulting opposite impact to net profit before tax.

b) Credit risk

Credit risk refers to the risk that a customer or counterparty will default on its contractual obligations resulting in financial loss. The Company's main credit risk exposure related to financial assets is set out in *Note* 9 and includes trade and other receivables and other financial assets.

Trade and other receivables consist of a large number of customers, spread across diverse industries and geographical areas. The Company has established policies, procedures and controls relating to customer credit risk management. Ongoing credit evaluation is performed on the financial condition of accounts receivable and, where appropriate, the Company insures its trade receivables with reputable credit insurance companies.

Since October 2020, the Company entered into a factoring program where the receivables of some of the Company's French and Spanish entities are prefinanced by a factor (see *Note 9 and 16*). In February 2022, Ferroglobe Spain Metals (formerly Grupo FerroAtlántica, S.A.U) signed an additional factoring agreement with Bankinter.

c) Liquidity risk

The purpose of the Company's liquidity and financing policy is to ensure that the Company keeps sufficient funds available to meet its financial obligations as they fall due. Changes in financial assets and liabilities are monitored on an ongoing basis.

As of December 31, 2023 and 2022, Ferroglobe had restricted cash and cash equivalents of \$137,649 thousand and \$322,943 thousand, respectively. As of December 31, 2023, the Company's total outstanding debt is \$310,998 thousand, consisting of \$61,535 thousand in short-term, including the current portion of long-term debt and \$249,463 in long-term debt.

The Company's main sources of financing are as follows:

In 2021, the Company exchanged 98.6% of its 350 million 9.375% senior unsecured notes due in March 2022 ("Old Notes") for total consideration of \$1,000 of principal amount, which is comprised of (i) \$1,000 aggregate principal amount of the new 9.375% senior secured notes due in 2025 (the "Reinstated Senior Notes") plus (ii) cash amount to \$51.6 million, which the Company's Parent applied as cash consideration for a subscription of new ordinary shares of the Company.

The Company issued \$60.0 million in new 9% senior secured notes due in 2025 ("Super Senior Notes"). In July 2022, the Super Senior Notes were redeemed at 100% of the principal amount thereof plus accrued interest.

In July 2023, the Company via its subsidiary issuers of the 9.375% Senior Secured Notes due 2025 (the "Notes") partially redeemed such Notes at 102.34375% of the principal amount plus accrued interest. The issuers elected to redeem an aggregate principal amount of \$150.0 million of the Notes plus accrued and unpaid interest of \$14.0 million.

- In 2016, a Company subsidiary entered into a loan agreement with the Spanish Ministry of Industry, Tourism and Commerce (the "Ministry") to borrow an aggregate principal amount of €44.9 million (\$50.2 million) in connection with the industrial development projects relation to a silicon purification project at an annual interest rate of 3.6%. The Company is required to repay this loan in seven instalments commencing in 2023 and to be completed by 2030.
- · In October 2020, the Company signed a new factoring agreement with a financial institution for anticipating the collection of receivables of the Company's European subsidiaries. During 2023, the factoring agreement provided upfront cash consideration of \$431,274 thousand (\$835,388 thousand in 2022). The Company has repaid \$454,576 thousand (\$863,192 thousand in 2022), showing at December 31, 2023, an on-balance sheet bank borrowing debt of \$30,683 thousand (2022: \$\$56,157 thousand), see *Note 9 and 16*.
- · In June 2022, a Company subsidiary entered into a five-year, \$100 million asset-based revolving credit facility (the "ABL Revolver"), with the Bank of Montreal as lender and agent. The maximum amount available under the ABL Revolver is subject to a borrowing base test comprising North American inventory and accounts receivable.
- In 2020, a Company subsidiary entered into a loan agreement with BNP Paribas to borrow an aggregate principal amount, interest-free, of €4.5 million (\$5.3 million), to finance Company's activities in France. The French government guaranteed the loan in line with special measures taken in response to the COVID-19 pandemic. The loan is to be repaid by 2026. The Company is liable for a fee of 0.5% equal based on the total borrowed capital.
- · In 2020, a Company subsidiary entered into a loan agreement with Investissement Québec to borrow an aggregate principal amount, interest-free, of \$7.0 million to finance its capital expenditures activities in Canada. The loan is to be repaid over a seven-year period, with payments deferred for the first three years from inception of the loan.
- In March 2022, Ferroglobe Spain Metals (formerly Grupo FerroAtlántica) and Ferroglobe Corporate Services (formerly Grupo FerroAtlántica de Servicios) (together the "Beneficiaries") and the Sociedad Estatal de Participaciones Industriales ("SEPI"), a Spanish state-owned industrial holding company affiliated with the Ministry of Finance and Administration, entered into a loan agreement of 634.5 million (\$38.3 million). This loan is part of the SEPI fund intended to provide assistance to non-financial companies operating in strategically important sectors within Spain as a result of the COVID-19 pandemic.

Quantitative information

Interest rate risk:

At December 31, the Company's interest-bearing financial liabilities were as follows:

		2023			
	Fixed rate	Floating rate	Total		
	U.S.\$'000	U.S.\$'000	U.S.\$'000		
Bank borrowings (Note 16)	15,865	30,683	46,548		
Obligations under leases (Note 17)	_	28,387	28,387		
Tolling agreement lease liability (Note 22)	37,863	_	37,863		
Debt instruments (Note 18)	154,780	_	154,780		
Other financial liabilities (Note 19)	57,218	20,224	77,442		
	265,726	79,294	345,020		
		2022			
	Fixed rate	Floating rate	Total		
	U.S.\$'000	U.S.\$'000	U.S.\$'000		
Bank borrowings (Note 16)	16,857	60,976	77,833		
Obligations under leases (Note 17)	_	21,871	21,871		
Debt instruments (Note 18)	343,442	_	343,442		
Other financial liabilities (Note 19)	80,388	18,273	98,661		
	440,687	101,120	541,807		

ii. Liquidity risk:

The table below summarizes the Company's financial liabilities to be settled by the Company based on their maturity as of December 31, 2023, based on contractual undiscounted payments. The table includes both interest and principal cash flows. The table below assumes that the principal will be paid at maturity date.

	2023						
	Less than 1 year US\$'000	Between 1-2 years US\$'000	Between 2-5 years US\$'000	After 5 years US\$'000	Total US\$'000		
Bank borrowings	31,635		1,683	13,230	46,548		
Leases	9,240	6,413	10,897	11,939	38,489		
Debt instruments	19,692	168,705	_	_	188,397		
Financial loans from government agencies	14,653	51,243	15,444	3,586	84,926		
Payables to related parties	2,198	_	_	_	2,198		
Payable to non-current asset suppliers	9,791	336	_	_	10,127		
Contingent consideration	400	983	677	_	2,060		
Tolling agreement liability	3,683	7,366	11,049	114,172	136,270		
Trade and other payables	183,375	_	_	_	183,375		
	274,667	235,045	39,750	142,927	692,389		

	2022						
	Less than 1 year US\$'000	Between 1-2 years US\$'000	Between 2-5 years US\$'000	After 5 years US\$'000	Total US\$'000		
Bank borrowings	62,059		2,544	13,230	77,833		
Leases	8,928	7,349	6,888	_	23,166		
Debt instruments	32,439	423,235	_	_	455,674		
Financial loans from government agencies	61,796	4,336	41,239	2,792	110,163		
Payables to related parties	1,790	_	_	_	1,790		
Payable to non-current asset suppliers	4,149	183	_	_	4,332		
Contingent consideration	1,945	3,930	1,257	_	7,132		
Tolling agreement liability	3,555	7,110	10,665	113,759	135,089		
Trade and other payables	219,666	_	_	_	219,666		
	396,327	446,143	62,593	129,781	1,034,845		

Additionally, as of December 31, 2023, the Company has long-term power purchase commitments amounting to \$434,507 thousand (\$526,841 thousand in 2022), which represents minimum charges that are enforceable and legally binding, and do not represent total anticipated purchase.

Debt instruments for the Reinstated Notes, and the Reindus and the SEPI loans classified as financial loans from government agencies have early redemption options.

Changes in liabilities arising from financing activities

The changes in liabilities arising from financing activities during the year ended December 31, 2023 and 2022 were as follows:

	January 1, 2023 USS'000	Changes from financing cash flows USS'000	Effect of changes in foreign exchange rates USS'000	Interest expenses US\$'000	Other changes US\$'000	December 31, 2023 US\$'000
Bank borrowings (Note 16)	77,833	(26,798)	1,716	2,568	(8,771)	46,548
Obligations under leases (Note 17)	21,871	(11,363)	403	1,715	15,761	28,387
Debt instruments (Note 18)	343,442	(209,245)	_	22,989	(2,406)	154,780
Financial loans from government agencies (Note 19)	98,661	(23,740)	2,565	4,847	(4,891)	77,442
Tolling agreement lease liability (Note 22)	36,665	(3,604)	1,318	3,484	_	37,863
Total liabilities from financing activities	578,472	(274,750)	6,002	35,603	(307)	345,020
Other amounts paid due to net financing activities		(7,397)				
Net cash (used) in financing activities		(282,147)				

	January 1, 2022 US\$'000	Changes from financing cash flows USS'000	Effect of changes in foreign exchange rates USS'000	Changes in fair values US\$'000	Interest expenses US\$'000	Other changes US\$'000	December 31, 2022 US\$'000
Bank borrowings (Note 16)	98,967	(24,529)	(5,991)	_	3,185	6,201	77,833
Obligations under leases (Note 17)	18,358	(11,590)	(750)	_	1,587	14,266	21,871
Debt instruments (Note 18)	440,297	(136,260)	_	190	34,404	4,811	343,442
Financial loans from government agencies (Note 19)	67,013	35,924	(5,289)	_	5,239	(4,226)	98,661
Total liabilities from financing activities	624,635	(136,455)	(12,030)	190	44,415	21,052	541,807
Other amounts paid due to net financing activities		(4,003)					
Net cash (used) in financing activities		(140,458)					

30. Fair value measurement

Fair value of assets and liabilities that are measured at fair value on a recurring basis

The following table provides the fair value measurement hierarchy of the Company's assets and liabilities that are carried at fair value in the statement of financial position:

	December 31, 2023					
	Total USS'000	Quoted prices in active markets (Level 1) USS'000	Significant observable inputs (Level 2) US\$'000	Significant unobservable inputs (Level 3) USS'000		
Other financial assets (Note 9):						
Listed equity securities	1,080	1,080	_	_		
Other financial liabilities (Note 20):						
Derivative financial assets - PPA	7,413	_	7,413	_		
Derivative financial liabilities - PPA	(699)	_	(699)	_		
Other obligations (Note 22):						
Contingent consideration in a business combination	(1,732)	_	_	(1,732)		
	December 31, 2022					

	December 31, 2022				
		Quoted			
		prices in	Significant	Significant	
		active	observable	unobservable	
		markets	inputs	inputs	
	Total	(Level 1)	(Level 2)	(Level 3)	
	US\$'000	US\$'000	US\$'000	US\$'000	
Other financial assets (Note 9):					
Listed equity securities	936	936	_	_	
Other obligations (Note 22):					
Contingent consideration in a business combination	(5,838)	_	_	(5,838)	

A reconciliation of the beginning and ending balances of all liabilities at fair value on recurring basis using significant unobservable inputs (Level 3) for the year ended December 31, 2023, presented as follows:

	Total
Fair value at December 31, 2020	(16,632)
Changes in fair value through profit or loss	(13,168)
Payments	3,273
Fair value at December 31, 2021	(26,527)
Changes in fair value through profit or loss	1,758
Payments	18,931
Fair value at December 31, 2022	(5,838)
Changes in fair value through profit or loss	(717)
Payments	4,823
Fair value at December 31, 2023	(1,732)

31. Other disclosures

Restricted Net Assets

Certain of our entities are restricted from remitting certain funds to us in the form of cash dividends or loans by a variety of, contractual requirements. These restrictions are related to standard covenant requirements included in our bank borrowings and debt instruments, such as the SEPI loan and the ABL Revolver. Additionally, the Company has certain restrictions in its partnerships with Dow Silicones Corporation. Consequently, net assets from Ferroglobe subsidiaries Ferroglobe USA Inc (formerly Globe Specialty Metals, Inc.), and other subsidiaries in the U.S.A, Ferroglobe Canada (formerly QSIP Canada ULC), Ferroglobe Spain Metals (formerly Grupo Ferroatlántica) and the partnerships with Dow are restricted. Please refer to Notes 9, 16 and 19 for further details of these restrictions.

As of December 31, 2023 and 2022 the restricted net assets of the Ferroglobe Group's subsidiaries were \$328,572 thousand and \$496,983 thousand, respectively. The Company performed a test on the restricted net assets of combined subsidiaries in accordance with Securities and Exchange Commission Regulation rule 5-04 (c) 'what schedules are to be filed' and concluded the restricted net assets exceed 25% of the consolidated net assets of the Company at December 31, 2023 and 2022. Therefore the separate condensed financial statements, as per SEC rule S-X 12-04, of Ferroglobe PLC are presented as Appendix I to these consolidated financial statements.

Additionally, the Super Senior Notes restricts the ability of Ferroglobe PLC to pay dividends.

32. Events after the reporting period

Management has evaluated subsequent events after the balance sheet date, through the issuance of these consolidated financial statements, for appropriate accounting and disclosures.

Full redemption of the Company's remaining 9.375% Senior Secured Notes Due 2025

In February 2024, the Company completed the full redemption of the 9.375% Senior Secured Notes due 2025 at 102.34375% of the principal amount plus accrued interest. The issuers elected to redeem an aggregate principal amount of \$147,624 thousand of the Notes, the entire amount outstanding as of the redemption date, plus accrued and unpaid interest and call premium of \$4,075 thousand. The Notes were fully redeemed from the Company's cash and cash equivalents.

Dividend payment

In March 2024, the Company distributed dividends to its ordinary shareholders totaling \$2,428 thousand.

PARENT COMPANY BALANCE SHEET

AS OF DECEMBER 31, 2023 AND 2022

Thousands of U.S. Dollars

	Notes	December 31, 2023 US\$'000	December 31, 2022 ^(*) US\$'000
ASSETS	Notes	033 000	0.53 000
Non-current assets			
Investment in subsidiaries	3	645,088	629,284
Intangible assets	7	· —	522
Property, plant and equipment	8	462	449
Loans receivable from subsidiaries	4	54,959	143,265
Trade and other receivables from subsidiaries	4	_	8,150
Total non-current assets		700,509	781,670
Current assets			
Trade and other receivables	4	1,443	797
Trade and other receivables from subsidiaries	4	37,932	99,003
Other current assets		390	435
Cash and cash equivalents		227	605
Total current assets		39,992	100,840
Total assets		740,501	882,510
EQUITY AND LIABILITIES			
Equity			
Share capital		1,964	1,964
Share Premium		75,073	75,073
Other reserves	6	(226,815)	(234,031)
Retained earnings		739,524	734,095
Total equity		589,746	577,101
Non-current liabilities			
Lease liabilities	9	406	372
Loans payable from subsidiaries	5	37,999	179,111
Other liabilities		198	11
Total non-current liabilities		38,603	179,494
Current liabilities			
Lease liabilities	9	126	550
Trade and other payables	5	2,365	10,634
Loans payable from subsidiaries	5	67,903	67,903
Trade and other payables from subsidiaries	5	41,652	46,610
Current income tax liabilities			115
Other current liabilities		106	103
Total current liabilities		112,152	125,915
Total equity and liabilities		740,501	882,510

^(*) Restated – see note 4

Notes 1 to 11 are an integral part of these financial statements.

The Company reported a profit for the financial year ended December 31, 2023, of \$5,429 thousand (2022: loss of \$40,436 thousand.)

The current year profit is after recognition of:

- a credit of \$8,217 thousand to correct the accounting for share-based payment arrangements related to subsidiaries in previous years. This amount was previously recognized as an expense whereas it should have been recognized as an increase in the investments in subsidiary (see Note 3); and
- recognition of previously unrecognized interest income amounting to \$19,428 thousand on a loan receivable from subsidiary for FY 2021 and FY 2022 see note 4.

The directors do not consider the effects of these matters to be material to the Parent Company prior period financial statements of Ferroglobe PLC, and accordingly have been corrected in the current year.

For the year ending 31 December 2023 the following subsidiaries of Ferroglobe PLC were entitled to exemption from audit under s479A of the Companies Act 2006 relating to subsidiary companies:

Subsidiary Name	Companies House Registration Number
Ferroglobe Finance Company PLC	13353128
Ferroglobe Holding Company Ltd	13347942

Ferroglobe PLC has provided parental guarantee for the debts and liabilities of the UK subsidiaries described above at the balance sheet date in accordance with section 479C of the Companies Act 2006. The Company has assessed the probability of loss under these guarantees as remote.

The financial statements of Ferroglobe PLC with registration number 9425113 were approved by the Board and authorized for issue on May 20, 2024.

Signed on behalf of the Board.

Dr. Marco Levi Director

PARENT COMPANY STATEMENT OF CHANGES IN EQUITY FOR 2023 AND 2022 Thousands of U.S. Dollars

		Equity attributable to equity holders of the Company					
	Share	Share	Other	Result for	Retained		
	capital	Premium	reserves	the year	earnings	Total	
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	
Balance at December 31, 2021	1,964	75,073	(239,855)		774,531	611,712	
Share-based compensation			5,825			5,825	
Comprehensive (loss) income for the year	_	_	_	(40,436)	_	(40,436)	
Transfer of the year loss				40,436	(40,436)	_	
Balance at December 31, 2022	1,964	75,073	(234,031		734,095	577,101	
Share-based compensation			7,216			7,216	
Comprehensive (loss) income for the year	_	_	_	5,429	_	5,429	
Transfer of the year loss	_	_	_	(5,429)	5,429	_	
Balance at December 31, 2023	1,964	75,073	(226,815)		739,524	589,746	

Notes 1 to 11 are an integral part of these financial statements.

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEARS ENDED DECEMBER 31, 2023 AND 2022

1. Significant accounting policies

Ferroglobe PLC is a public limited company incorporated in the United Kingdom on February 5, 2015. The Company's registered office is 5 Fleet Place, London EC4M 7RD (United Kingdom).

Ferroglobe PLC is the parent company of Ferroglobe group, which is among the world's largest producers of silicon metal and silicon-based alloys, important ingredients in a variety of industrial and consumer products. The Company's customers include major silicone chemical, aluminum and steel manufacturers, auto companies and their suppliers, ductile iron foundries, manufacturers of photovoltaic solar cells and computer chips, and concrete producers.

The separate financial statements of the Company are presented as required by the Companies Act 2006. The Company meets the definition of a qualifying entity under FRS 100 (Financial Reporting Standard 100) issued by the Financial Reporting Council (the "FRC"). In the year ended December 31, 2022 the Company prepared its financial statements in accordance with in accordance with UK-adopted international accounting standards. In the year ended December 31, 2023 the Company has elected to adopt FRS 101 as issued by the FRC. Accordingly, the financial statements have therefore been prepared in accordance with FRS 101 (Financial Reporting Standard 101) Reduced Disclosure Framework as issued by the FRC incorporating the Amendments to FRS 101 issued by the FRC in July 2015 and July 2016.

In the transition to FRS 101, the Company has applied IFRS 1, as amended by FRS 101, whilst ensuring that its assets and liabilities are measured in compliance with FRS 101. Accordingly, the Company has prepared financial statements that comply with FRS 101 applicable for the year ended December 31, 2023, together with the comparative period data for the year ended December 31, 2022. On transition to FRS 101 no GAAP differences arose except for the reduced disclosures.

As permitted by FRS 101, the Company has taken advantage of the disclosure exemptions available under that standard in relation to share-based payment, financial instruments, capital management, presentation of comparative information in respect of certain assets, presentation of a cash flow statement, certain related party transactions and the requirements of paragraphs 30 and 31 of IAS 8 'Accounting Policies, Changes in Accounting Estimates and Errors' in relation to standards not yet effective. Where required, equivalent disclosures are given in the consolidated financial statements. The Company also has taken exemption from presenting the Parent Company Profit & Loss account in accordance with section 408 of Companies Act 2006.

The financial statements have been prepared on the historical cost basis except for the re-measurement of certain financial instruments to fair value. The principal accounting policies adopted are the same as those set out in Notes 3 and 4 to the consolidated financial statements except as noted below.

Investment in subsidiaries and impairment

Investment in subsidiaries is stated at cost less, where appropriate, provisions for impairment. At each balance sheet date, the Company reviews the carrying amount of its investments to determine whether there is any indication that those assets have suffered an impairment loss. If any such indication exists, the recoverable amount of the asset is estimated to determine the extent of the impairment loss (if any).

Recoverable amount is the higher of the fair value less costs to sell and the value in use. In assessing value in use, the estimated future cash flows are discounted to the present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset for which the estimates of future cash flows have not been adjusted. If the recoverable amount of an asset is estimated to be less than its carrying amount, the carrying amount of the asset is reduced to its recoverable amount. An impairment loss is recognized immediately in profit or loss.

Where an impairment loss subsequently reverses, the carrying amount of the asset is increased to the revised estimate of its recoverable amount, but so that the increased carrying amount does not exceed the carrying amount that would have been determined had no impairment loss been recognized for the asset in prior years. A reversal of an impairment loss is recognized immediately in profit or loss.

Share-based compensation

The Company operates a share-based compensation plan with certain equity and cash-settlement options for its subsidiaries. The subsidiary that receives the services from the given employee who is granted share based options recognizes share-based compensation expense based on the estimated grant date fair value of share-based awards using a Black-Scholes option pricing model. The Company recognizes an increase in equity and the corresponding debit as a contribution to the subsidiary. If the terms of an award are modified in a manner that affects both the fair value and vesting of the award, the total amount of remaining unrecognized compensation cost (based on the grant-date fair value) and the incremental fair value of the modified award are recognized over the amended vesting period.

Impact of new International Financial Reporting Standards

There are no new or amended standards or interpretations adopted during the year that have a significant impact on the financial statements.

Currency

Ferroglobe PLC functional currency is U.S. Dollars.

Going concern

The financial statements for the period ended December 31, 2023 have been prepared assuming that the Company will continue as a going concern, which contemplates the realization of assets and the discharge of liabilities in the normal course of business for the foreseeable future.

The Company is supported by the Group, who has generated positive cash flows in fiscal year 2023 and anticipates generating sufficient cash from operations to satisfy its short and long-term liquidity needs.

The directors note that the Company's going concern position is directly linked to that of the Group and those conclusions are set out within note 3.1 of the Group's Consolidated Financial Statements on page 79. Considering the above, the directors have a reasonable expectation that the Company will continue in operational existence for at least 12 months from the date of signing the financial statements. The Company therefore continues to adopt the going concern basis in preparing its financial statements,

Critical accounting judgements and key sources of estimation uncertainty

In the application of the Company's accounting policies, the directors are required to make judgements, estimates and assumptions about the carrying amounts of assets and liabilities that are not readily apparent from other sources. The estimates and associated assumptions are based on historical experience and other factors that are considered to be relevant. Actual results may differ from these estimates.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimate is revised if the revision affects only that period, or in the period of the revision and future periods if the revision affects both current and future periods.

In the current year there are no critical accounting estimates or judgements that have a significant risk of causing a material adjustment to the carrying amounts of the assets and liabilities within the next financial year.

3. Investment in subsidiaries

The Company's investments at the balance sheet date in the share capital of its subsidiaries include the following:

Company	Country	Ownership	Currency	Purpose
Ferroglobe Holding Company LTD	United Kingdom	100%	USD	Electrometallurgy

Investments in subsidiaries are stated at cost less provision for impairments and the Directors believe that the carrying value of the investments is supported by their underlying net assets recoverable value.

The change in carrying value of investments is as follows:

	2023 US\$'000	2022 US\$'000
Cost:		
At January 1	629,284	629,284
Additions	15,804	_
At December 31	645,088	629,284
Net book Value at December 31	645,088	629,284

Additions during fiscal year 2023 relate to share-based awards granted by Ferroglobe PLC, as the parent company of the Ferroglobe PLC group, to the employees of its subsidiaries. These awards are treated as a contribution to the subsidiary.

The following are the main trading subsidiaries of the Company:

	Percentage of ownership			
Name	Direct	Indirect	Country of incorporation	Nature of the business
Ferroglobe Spain Metals, S.A.U. (formerly Grupo FerroAtlántica, S.A.U.)		100.0	Spain (1)	Electrometallurgy
Ferroglobe France SAS (formerly FerroPem, S.A.S.) (*)	_	100.0	France (2)	Electrometallurgy
Ferroglobe South Africa (Pty) Ltd (formerly Silicon Smelters (Pty.), Ltd.) (*)	_	100.0	South Africa (3)	Electrometallurgy
Ferroglobe U.S.A, Inc (formerly Globe Specialty Metals, Inc.)	_	100.0	United States of America (4)	Electrometallurgy
Ferroglobe U.S.A Metallurgical, Inc. (formerly Globe Metallurgical Inc.) (**)	_	100.0	United States of America (4)	Electrometallurgy
WVA Manufacturing, LLC (**)	_	100.0	United States of America (5)	Electrometallurgy
Quebec Silicon LP (**)	_	100.0	Canada (6)	Electrometallurgy
Ferroglobe Argentina, S.R.L (formerly Globe Metales S.R.L) (**)	_	100.0	Argentina (7)	Electrometallurgy
Ferroglobe Mangan Norge AS (*)	_	100.0	Norway (8)	Electrometallurgy
Ferroglobe Manganese France SAS (*)	_	100.0	France (9)	Electrometallurgy
Ferroglobe Monzón, S.L. (formerly Ferroatlántica del Cinca, S.L.) (*)	_	100.0	Spain (1)	Electrometallurgy
Ferroglobe Finance Company, PLC	_	100.0	United Kingdom (10)	Electrometallurgy
Ferroglobe Holding Company, LTD.	100.0	_	United Kingdom (10)	Electrometallurgy

- (*) Investment held through Ferroglobe Spain Metals
- (**) Investment held through Ferroglobe USA

Registered Offices:

- Po Castellana, No 259-D Planta 49a, 28046, Madrid, Spain
- 517, Av. de la Boisse., Chambery, France
- Beyersnek Road Po Box 657, Polokwane, 0700 ZA, South Africa
- 1595 Sparling Road, Waterford OH 45786, United States Route 60 East, Alloy WV 25002, United States
- 6500 Rue Yvon-Trudeau, Becancour Québec G9H 2V8, Canada
- Pico 1641 Floor 8th Rooms A and C, Buenos Aires, Argentina
- Mo Industripark, 8624 Mo-i-Rana, Norway
- Route De L'Ecluse de Mardyck, 59792, Grande Synthe, France
- $10. \ \, \text{The Scalpel}, \, 18 th \, Floor, \, 52 \, Lime \, \, \text{Street}, \, London, \, United \, Kingdom, \, EC3M \, 7AF$

Further information about subsidiaries, including disclosures about non-controlling interests, is provided in Note 2 to the consolidated financial statements.

4. Trade and other receivables

	2023			2022 (*)		
	Non-current US\$'000	Current US\$'000	Total US\$'000	Non-current US\$'000	Current US\$'000	Total US\$'000
Loans receivable from subsidiaries	54,959		54,959	143,265		143,265
Amounts receivable from subsidiaries	_	46,964	46,964	8,150	102,041	110,191
Less – allowance for doubtful debts	_	(9,032)	(9,032)	_	(3,038)	(3,038)
VAT recoverable	_	1,443	1,443	_	797	797
Total	54,959	39,375	94,334	151,415	99,800	251,215

^(*) Restated

Current amounts due from subsidiaries are repayable on demand and are non-interest bearing.

Non-current loan receivable from subsidiaries of \$3,250 thousand bear interest at a rate of 9.32% per annum.

During the year, the Company identified that an intercompany restructuring program in FY 2021 had not been accounted appropriately to reflect the novation of the intercompany balances through a loan notes issued by a subsidiary. Accordingly, the Company has restated the following balances:

- at 1 January 2022 and December 2022 Amounts receivable from subsidiaries (non-current) was overstated by \$112 million and amounts receivable from subsidiaries (current) was overstated by \$19 million;
- at 1 January 2022 a Trade and other payables from subsidiaries (current) was overstated by \$131 million and at December 2022 Trade and other payables from subsidiaries (non-current) was overstated by \$4.6 million and Trade and other receivables from subsidiaries (current) was overstated by \$126.4 million.

The Company has restated the intercompany balances as at 31 December 2022 as a result.

The loan note receivable of \$51.7 million has been presented within non-current assets as the directors do not expect to realize this balance within 12 months from the balance sheet date.

Loans receivable from subsidiaries (non-current) amounting to \$143.3 million were reclassified in 2022 from non-current amounts receivable from subsidiaries for better presentation.

The loan notes bear interest at a rate of 9.38% per annum. It was also identified that this interest income had not been recognized in 2021 or 2022. The previously unrecognized income totaling \$19,428 thousand has been recognized in the current year profit and loss account as the directors do not consider the effects of the interest income to be material to the prior period financial statements.

The contractual maturity of loans receivables from subsidiaries at December 31, 2023, is as follows:

	Amount US\$'000
Due in 2025	51,709
Due in 2026	3,250
Total	54,959

The changes in the allowance for doubtful debts during 2023 and 2022 were as follows:

	Allowance
	US\$'000
Balance at January 1, 2022	2,492
Impairment losses recognized	546
Balance at December 31, 2022	3,038
Impairment losses recognized	5,994
Balance at December 31, 2023	9,032

5. Trade and other payables

	2023			2022 (*)		
	Non-current	Current	Total	Non-current	Current	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Loans payable to subsidiaries	37,999	67,903	105,902	179,111	67,903	247,014
Amounts payable to subsidiaries	_	41,652	41,652	_	46,610	46,610
Trade payables	_	2,365	2,365	_	10,634	10,634
Total	37,999	111,920	149,919	179,111	125,147	304,258

^(*) Restated – refer note 4

Loans payable to subsidiaries (current) amounting to \$67,903 thousand in 2022 were reclassified from current amounts payable to subsidiaries for better presentation.

Loans payable to subsidiaries include fixed rate interest of 9.32% per annum bearing loans of \$105,902 thousand (2022: \$247,014 thousand).

The contractual maturity of loans payables to subsidiaries at December 31, 2023, is as follows:

	Amount
	US\$'000
Due in 2024	67,903
Due in 2025	10,304
Due in 2026	27,695
Total	105,902

6. Shareholders' funds

The change in other reserves is as follows:

	Other reserves			
	Share-based			,
	Merger reserve	payment	Own shares	Total
	US\$'000	US\$'000	US\$'000	US\$'000
Balance at December 31, 2020	(280,023)	11,499	(11,932)	(280,456)
Issued share capital	_	_	_	_
Share-based compensation		3,625	_	3,625
Effect of change in functional currency	37,403	(2,020)	1,593	36,975
Balance at December 31, 2021	(242,620)	13,104	(10,339)	(239,856)
Share-based compensation	_	5,825	_	5,825
Balance at December 31, 2022	(242,620)	18,929	(10,339)	(234,031)
Share-based compensation		7,216		7,216
Balance at December 31, 2023	(242,620)	26,145	(10,339)	(226,815)

7. Intangible assets

The detail of intangible assets, net of the related accumulated depreciation and impairment in 2023 and 2022 is as follows:

		Accumulated		
	Software US\$'000	Depreciation US\$'000	Impairment US\$'000	Total US\$'000
Balance at December 31, 2021	_			_
Additions	522			522
Disposals	_	_	_	_
Depreciation charge for the year	_	_	_	_
Balance at December 31, 2022	522			522
Disposals	(522)			(522)
Balance at December 31, 2023		_		

The additions in 2022 related to the development of a cybersecurity software. In 2023 the asset was transferred to another group subsidiary.

8. Property, plant and equipment

The detail of property, plant and equipment, net of the related accumulated depreciation and impairment in 2023 and 2022 is as follows:

	Leased	Leased			
	Land	Plant			
	and	and	Accumulated		
	Buildings	Machinery	Depreciation	Impairment	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Balance at December 31, 2021	2,192	4	(824)	(1,267)	105
Additions	334		(104)		230
Disposals	_	_	94	_	94
Impairment	_	_	_	_	_
Exchange differences	_	_	9	11	20
Balance at December 31, 2022	2,526	4	(825)	(1,256)	449
Additions	164	_	(123)	_	(41)
Disposals	(425)	(4)	(26)	429	(26)
Transfers	_	_	_	_	_
Impairment	_	_	_	_	_
Exchange differences	_	_	(2)	_	(2)
Balance at December 31, 2023	2,265		(976)	(827)	462

During 2023 the Company recognized an addition of \$164 thousand in relation to a modification of the lease rent for the London office.

During 2022 the Company recognized an addition of \$334 thousand in relation to the new lease for the London office.

9. Leases

Lease obligations comprise the following at December 31:

	2023	2022
	US\$'000	US\$'000
Balance as at January, 1	922	524
Additions	164	334
Disposals	(403)	_
Interest	51	4
Lease payments	(149)	(123)
Exchange differences	(53)	183
Balance as at December, 31	532	922
Analysed as:		
Current	126	550
Non-current	406	372

10. Auditor's remuneration

 $Fee's\ payable\ to\ the\ Company's\ auditor\ for\ the\ audit\ of\ the\ Parent\ Company's\ annual\ financial\ statements\ was\ \pounds350,000\ (2022:\ \pounds403,956).$

The following table shows the fees for audit and other services provided by Company's Statutory auditors and its associates for the years ended 31 December 2023 and 2022 (in US\$ '000):

(\$ thousands)	2023	2022
Group audit fees	4,372	5,277
Audit of subsidiaries	1,397	1,458
Audit Fees	5,769	6,735
Audit-Related Fees	_	59
Tax Fees	_	34
All Other Fees	_	4
Total Fees	5,769	6,832

11. Events after the reporting period

Management has evaluated subsequent events after the balance sheet date, through the issuance of these Parent Company financial statements, for appropriate accounting and disclosures.

 $Full\ redemption\ of\ the\ Group's\ remaining\ 9.375\%\ Senior\ Secured\ Notes\ Due\ 2025$

In February 2024, the group completed the full redemption of the 9.375% Senior Secured Notes due 2025 at 102.34375% of the principal amount plus accrued interest. The issuers elected to redeem an aggregate principal amount of \$147,624 thousand of the Notes, the entire amount outstanding as of the redemption date, plus accrued and unpaid interest and call premium of \$4,075 thousand. The Notes were fully redeemed from the Group's cash and cash equivalents.

Dividend payment

In March 2024, the Company distributed dividends to its ordinary shareholders totaling \$2,428 thousand.

Appendix 1 - Non-IFRS financial metrics (unaudited)

Adjusted EBITDA, Adjusted EBITDA margin, Working Capital, Free Cash Flow, Net Debt, Net Debt to total assets and Net Debt to Capital are non-IFRS financial metrics that Ferroglobe utilizes to measure its success. The Company has included these financial metrics to provide supplemental measures of its performance. We believe these metrics are important because they eliminate items that have less bearing on the Company's current and future operating performance and highlight trends in its core business that may not otherwise be apparent when relying solely on IFRS financial measures.

Adjusted EBITDA

	2023 US\$'000	2022 US\$'000
Profit attributable to the parent	82,662	440,314
Profit attributable to non-controlling interest	15,816	3,514
Income tax (benefit) expense	57,540	147,983
Net finance expense	33,371	58,741
Depreciation and amortization charges, operating allowances and write-downs	73,532	81,559
EBITDA	262,921	732,111
Exchange differences	7,551	9,995
Impairment loss	25,290	56,999
Restructuring and termination costs	5,535	9,315
New strategy implementation	973	29,032
Subactivity	12,589	9,449
PPA Energy	339	
Prior period (loss)	_	13,105
Adjusted EBITDA	315,198	860,006
Adjusted EBITDA Margin	2023 USS'000	2022 US\$'000
Adjusted EBITDA	315,198	860,006
Sales	1,650,034	2,597,916
Adjusted EBITDA Margin	19.1%	33.1%
Working Capital	2023 USS'000	2022 USS'000
Inventories	383,841	500,080
Trade and other receivables	310,243	425,474
Trade and other payables	(183,375)	(219,666)
Working Capital	510,709	705,888
		. 2,000

Free Cash Flow

	2023	2022 US\$'000
Net cash provided by operating activities	US\$'000 178,372	405,018
Payments for property, plant and equipment	(83,679)	(52,147
Free Cash Flow	94,693	352,871
The Cust Flow	94,073	332,671
Adjusted Gross Debt ^(*)		
	2023	2022
	US\$'000	US\$'000
Bank borrowings	15,865	16,857
Debt instruments	154,780	343,442
Other financial liabilities	81,283	98,661
Adjusted Gross Debt	251,928	458,960
(*) Adjusted gross debt excludes bank borrowings on factoring program and impact of leasing standard IFRS16		
Net Debt		
Net Debt	2023	2022
Net Debt	2023 US\$'000	2022 US\$'000
	US\$'000	US\$'000
Bank borrowings ⁽¹⁾		
Bank borrowings ⁽¹⁾ Debt instruments	US\$'000 15,865	US\$'000 16,857
Bank borrowings ⁽¹⁾ Debt instruments Other financial liabilities	US\$'000 15,865 154,780	US\$'000 16,857 343,442
Bank borrowings ⁽¹⁾ Debt instruments Other financial liabilities Non-current restricted cash and cash equivalents Current restricted cash and cash equivalents	US\$'000 15,865 154,780 81,283	US\$'000 16,857 343,442 98,661
Bank borrowings ⁽¹⁾ Debt instruments Other financial liabilities Non-current restricted cash and cash equivalents Current restricted cash and cash equivalents	US\$'000 15,865 154,780 81,283	US\$'000 16,857 343,442 98,661 (2,133
Net Debt Bank borrowings ⁽¹⁾ Debt instruments Other financial liabilities Non-current restricted cash and cash equivalents Current restricted cash and cash equivalents Cash and cash equivalents Net Debt	US\$'000 15,865 154,780 81,283 — (1,179)	US\$'000 16,857 343,442 98,661 (2,133 (2,875
Bank borrowings ⁽¹⁾ Debt instruments Other financial liabilities Non-current restricted cash and cash equivalents Current restricted cash and cash equivalents Cash and cash equivalents	US\$'000 15,865 154,780 81,283 — (1,179) (136,470)	USS'000 16,857 343,442 98,661 (2,133 (2,875 (317,935
Bank borrowings ⁽¹⁾ Debt instruments Other financial liabilities Non-current restricted cash and cash equivalents Current restricted cash and cash equivalents Cash and cash equivalents Net Debt (1) Bank borrowings exclude factoring programs	US\$'000 15,865 154,780 81,283 — (1,179) (136,470)	USS'000 16,857 343,442 98,661 (2,133 (2,875 (317,935
Bank borrowings ⁽¹⁾ Debt instruments Other financial liabilities Non-current restricted cash and cash equivalents Current restricted cash and cash equivalents Cash and cash equivalents Net Debt	US\$'000 15,865 154,780 81,283 — (1,179) (136,470)	USS'000 16,857 343,442 98,661 (2,133 (2,875 (317,935
Bank borrowings ⁽¹⁾ Debt instruments Other financial liabilities Non-current restricted cash and cash equivalents Current restricted cash and cash equivalents Cash and cash equivalents Net Debt (1) Bank borrowings exclude factoring programs	US\$'000 15,865 154,780 81,283 — (1,179) (136,470) 114,279	USS'000 16,857 343,442 98,661 (2,133 (2,875 (317,935 136,017
Bank borrowings ⁽¹⁾ Debt instruments Other financial liabilities Non-current restricted cash and cash equivalents Current restricted cash and cash equivalents Cash and cash equivalents Net Debt (1) Bank borrowings exclude factoring programs Capital	US\$'000 15,865 154,780 81,283 — (1,179) (136,470) 114,279	USS'000 16,857 343,442 98,661 (2,133 (2,875 (317,935 136,017
Bank borrowings ⁽¹⁾ Debt instruments Other financial liabilities Non-current restricted cash and cash equivalents Current restricted cash and cash equivalents Cash and cash equivalents Net Debt (1) Bank borrowings exclude factoring programs	US\$'000 15,865 154,780 81,283 (1,179) (136,470) 114,279 2023 US\$'000	USS'000 16,857 343,442 98,661 (2,133 (2,875 (317,935) 136,017



Ferroglobe PLC Extracts from the 2023 Form 20-F

To accompany the PLC Annual Report and Accounts 2023

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ITEM 3. KEY INFORMATION

D. Risk factors

You should carefully consider the risks and uncertainties described below and the other information in this Annual Report before making an investment in our ordinary shares. Our business, financial condition or results of operations could be materially and adversely affected if any of these risks occurs, and as a result, the market price of our ordinary shares could decline and you could lose all or part of your investment. This Annual Report also contains forward-looking statements that involve risks and uncertainties. See "Cautionary Statements Regarding Forward-Looking Statements." Our actual results could differ materially and adversely from those anticipated in these forward-looking statements as a result of certain factors.

Risks Related to Our Business and Industry

Our operations depend on industries including the steel, aluminum, polysilicon, silicone and photovoltaic/solar industries, which, in turn, rely on several end-markets. A downturn or change in these industries or end-markets could adversely affect our business, results of operations and financial condition.

Because we primarily sell silicon metal, silicon-based alloys, manganese- based alloys and other specialty alloys, we produce to manufacturers of steel, aluminum, polysilicon, silicones, and photovoltaic products. Therefore, our results are significantly affected by the economic trends in the steel, aluminum, polysilicon, silicone and photovoltaic industries. Primary end users that drive demand for steel and aluminum include construction companies, shipbuilders, electric appliances, car manufacturers and companies operating in the rail and maritime industries. The primary end users that drive demand for polysilicon and silicones include the automotive, chemical, photovoltaic, pharmaceutical, construction and consumer products industries. Demand for steel, aluminum, polysilicon and silicone from such companies can be strongly correlated with changes in gross domestic product and is affected by global economic conditions. Fluctuations in steel and aluminum prices may occur due to sustained price shifts reflecting underlying global economic and geopolitical factors, changes in industry supply-demand balances, the substitution of one product for another in times of scarcity, and changes in national tariffs. Lower demand for steel and aluminum can yield a substantial build-up of steel and aluminum stocks, resulting in a decline in demand for silicon metal, silicon-based alloys, manganese-based alloys, and other specialty alloys. Polysilicon and silicone producers are subject to fluctuations in crude oil, platinum, methanol and natural gas prices, which could adversely affect their businesses. Changes in power regulations in different countries, fluctuations in the relative costs of different sources of energy, and supply-demand balances in the different parts of the value chain, among other factors, may significantly affect the growth prospects of the photovoltaic industry. A significant and prolonged downturn in the end markets for steel, aluminum, polysilicon, silicone and photovoltaic products, could adversely af

The metals industry is cyclical and has been subject in the past to swings in market price and demand which could lead to volatility in our revenues.

Our business has historically been subject to fluctuations in the price and market demand for our products, caused by general and regional economic cycles, raw material and energy price fluctuations, competition and other factors. The timing, magnitude and duration of these cycles and the resulting price fluctuations are difficult to predict. For example, we experienced a significant increase in silicon metal prices from the end of 2021 throughout the first half of 2022. However, commencing in the second half of 2022 and throughout 2023, we have experienced a sharp decrease in pricing as well as reductions in volumes. Such variances adversely affect our results.

Such conditions, and any future decline in the global silicon metal, manganese-based alloys and silicon-based alloys industries could have a material adverse effect on our business, results of operations and financial condition. Moreover, our business is directly related to the production levels of our customers, whose businesses are dependent on highly cyclical markets, such as the automotive, residential and non-residential construction, consumer durables, polysilicon, steel, and chemical industries. In response to unfavourable market conditions, customers may request delays in contract shipment dates or other contract modifications, these could adversely affect our anticipated revenues and results of operations. Also, many of our products are traded internationally at prices that are significantly affected by worldwide supply and demand. Consequently, our financial performance will fluctuate with the general economic cycle, which could have a material adverse effect on our business, results of operations and financial condition.

Our business is particularly sensitive to increases in energy costs, which could materially increase our cost of production.

Electricity is generally one of our largest production components in terms of cost as a percentage of sales. The price of electricity is determined in the applicable domestic jurisdiction and is influenced both by supply and demand dynamics and by domestic regulations. Changes in local energy policy, increased costs due to scarcity of energy supply, climate conditions, the termination or non-renewal of any of our power purchase contracts and other factors may affect the price of electricity supplied to our plants and adversely affect our results of operations and financial conditions.

Because electricity is indispensable to our operations and accounts for a high percentage of our production costs, we are particularly vulnerable to supply limitations and cost fluctuations in energy markets. For example, at certain plants, production must be modulated to reduce consumption of energy in peak hours or in seasons with higher energy prices, in order for us to maintain profitability. In general, high or volatile energy costs in the countries in which we operate could lead to erosion of margins and volumes, leading to a potential reduction in market share.

Generation of electricity in France by our own hydroelectric power operations partially mitigates our exposure to price increases in that market. However, in the past we have pursued possibilities of disposing of those operations, and may do so in the future. Such a divestiture, if completed, may result in a greater exposure to increases in electricity prices.

Additionally, in France, the Company benefited from a program for the regulated access to historic nuclear energy program (ARENH). ARENH is a mechanism established which allows alternative suppliers to obtain energy under favorable conditions set by the public authorities.

In addition, we have an additional agreement with EDF in which we have agreed different electricity prices throughout the year based on demand. When demand is highest, our agreed price is generally lowest and is even negative during certain time periods. Our current benefit with EDF began in 2023 and is expected to continue through 2025 with potential uncertainty regarding future availability or participation in such schemes.

Furthermore, in 2023, we recorded a net benefit of approximately \$186,211 thousand in relation to these programs. Future benefits recorded under this program in 2024 and 2025 will be significantly less if not a net expense for each respective year.

The electrical power for our U.S. and Canadian facilities is supplied mostly by American Electric Power Co., Alabama Power Co., Brookfield Renewable Partners L.P. and Hydro-Québec, and the Tennessee Valley Authority through dedicated lines. Our Alloy, West Virginia facility obtains approximately 50% of its power needs under a fixed price power purchase agreement with a nearby hydroelectric facility owned by a Brookfield affiliate. This facility is more than 70 years old and any breakdown could result in the Alloy facility having to purchase more grid power at higher rates.

Energy supply to our facilities in South Africa is provided by Eskom (State-owned power utility) through rates that are approved annually by the national power regulator (NERSA). These rates have been volatile, due to the instability of available supply and are likely to continue increasing. Also, NERSA applies certain revisions to rates based on cost variances for Eskom that are not within our control.

In Spain, power is purchased in a competitive wholesale market. Our facilities are obligated to pay access tariffs to the national grid and receive a credit for our efforts to act as electro-intensive consumers. The volatile nature of the wholesale market in Spain results in price uncertainty that can only be partially offset by long-term power purchase agreements. Additionally, the credits that we receive for the services provided to the grid are a major component of our power supply arrangements in Spain. However, these regulations previously have been altered to reduce the value of such credits to us, and future changes could further reduce the economic benefits associated with our services to the Spanish electricity grid. Such reductions would affect our production costs and impact our results from operations.

Losses caused by disruptions in the supply of power would reduce our profitability.

Large amounts of electricity are used to produce silicon metal, manganese and silicon-based alloys and other specialty alloys, and our operations are heavily dependent upon a reliable supply of electrical power. We may incur losses due to a temporary or prolonged interruption of the supply of electrical power to our facilities, which can be caused by

unusually high demand, blackouts, equipment failure, natural disasters or other catastrophic events, including failure of the hydroelectric facilities that currently provide power under contract to our West Virginia, Québec and Argentina facilities. Additionally, on occasion, we have been instructed to suspend operations for several hours by the sole energy supplier in South Africa due to a general power shortage in the country. It is possible that this supplier may instruct us to suspend our operations for a similar or longer period in the future. Such interruptions or reductions in the supply of electrical power adversely affect production levels and may result in reduced profitability. Our insurance coverage does not cover all interruption events and may not be sufficient to cover losses incurred as a result.

In addition, investments in Argentina's electricity generation and transmission systems have been lower than the increase in demand in recent years. If this trend is not reversed, there could be electricity supply shortages as the result of inadequate generation and transmission capacity. Given the heavy dependence on electricity of our manufacturing operations, any electricity shortages could adversely affect our financial results

Government regulations of electricity in Argentina give the priority to use hydroelectric power to residential users and subject violators of these restrictions to significant penalties. This preference is particularly acute during Argentina's winter months due to a lack of natural gas. We have previously successfully petitioned the government to exempt us from these restrictions given the demands of our business for continuous supply of electric power. If we are unsuccessful in our petitions or in any action we take to ensure a stable supply of electricity, our production levels may be adversely affected and our profitability reduced.

Any decrease in the availability, or increase in the cost, of raw materials or transportation could materially increase our costs.

Principal components in the production of silicon metal, silicon-based alloys and manganese-based alloys include coal, charcoal, graphite and carbon electrodes, manganese ore, quartzite, wood chips, steel scrap, and other metals. While we own certain sources of raw materials, we also buy raw materials on a spot or contracted basis. The availability of these raw materials and the prices at which we purchase them from third party suppliers depend on market supply and demand and may be volatile such as due to the Ukraine-Russia conflict. Our ability to obtain these materials in a cost efficient and timely manner is dependent on certain suppliers, their labor union relationships, mining and lumbering regulations and output, geopolitical and general local economic conditions.

Over the previous years, certain raw materials (particularly graphite electrodes, coal, manganese ore, and other electrode components) have experienced significant price increases and quick price moves in relatively short periods of time, and the recent conflict in Ukraine and resulting sanctions on Russia have led to supply limitations and interruptions. In some cases, this has been combined with certain shortages in the availability of such raw materials. While we try to anticipate potential shortages in the supply of critical raw materials with longer term contracts and other purchasing strategies, these price swings and supply shortages may affect our cost of production or even cause interruptions in our operations, which may have a material adverse effect on our business, results of operations and financial condition.

We make extensive use of shipping by sea, rail and truck to obtain the raw materials used in our production and deliver our products to customers, depending on the geographic region and product or input. Raw materials and products often must be transported over long distances between mines and other production sites and the plants where raw materials are consumed, and between those sites and our customers. Any severe delay, interruption or other disruption in such transportation, any material damage to raw materials utilized by us or to our products while being transported, or a sharp rise in transportation prices, either relating to events such as the Ukraine-Russia conflict, the recent conflict in the Middle East or otherwise, could have a material adverse effect on our business, results of operations and financial condition. In addition, because we may not be able to obtain adequate supplies of raw materials from alternative sources on terms as favorable as our current arrangements, or at all, any disruption or shortfall in the production and delivery of raw materials could result in higher raw materials costs and likewise materially adversely affect our business, results of operations and financial condition.

Cost increases in raw material inputs may not be passed on to our customers, which could negatively impact our profitability.

The prices of our raw material inputs are determined by supply and demand, which may be influenced by, inter alia, economic growth and recession, changes in world politics, unstable governments in exporting nations, and inflation, among other factors. The market prices of raw material inputs will thus fluctuate over time, and we may not be able

to pass significant price increases on to our customers. If we do try to pass them on, we may lose sales and thereby revenue, in addition to having the higher costs. Additionally, decreases in the market prices of our products will not necessarily enable us to obtain lower prices from our suppliers.

Metallurgical manufacturing and mining are inherently dangerous activities and any accident resulting in injury or death of personnel or prolonged production shutdowns could adversely affect our business and operations.

Metallurgical manufacturing generally, and smelting in particular, is inherently dangerous and subject to risks of fire, explosion and sudden major equipment failure. Quartz and coal mining are also inherently dangerous and subject to numerous hazards, including collisions, equipment failure, accidents arising from the operation of large mining and rock transportation equipment, dust inhalation, flooding, collapse, blasting operations and operating in extreme climatic conditions. These hazards have led to accidents resulting in the serious injury and death of production personnel, governmental investigations and snactions, and prolonged production shutdowns in the past. We may experience fatal accidents or equipment malfunctions in the future, which could have a material adverse effect on our business and operations.

We are heavily dependent on our mining operations, which are subject to certain risks that are beyond our control and which could result in materially increased expenses and decreased production levels.

We mine quartz and quartzite at open pit mining operations and coal at underground and surface mining operations. We are heavily dependent on these mining operations for our quartz and coal supplies. Certain risks beyond our control could disrupt our mining operations, adversely affect production and shipments, and increase our operating costs, such as: (i) a major incident at a mining site that causes all or part of the operations of the mine to cease for some period of time; (ii) mining, processing and plant equipment failures and unexpected maintenance problems; (iii) disruptions in the supply of fuel, power and/or water at the mine site; (iv) adverse changes in reclamation costs; (v) the inability to renew mining concessions upon their expiration; (vi) the expropriation of territory subject to a valid concession without sufficient compensation; and (vii) adverse weather and natural disasters, such as heavy rains or snow, flooding and other natural events affecting operations, transportation or customers.

Regulatory agencies have the authority under certain circumstances following significant health and safety violations or incidents to order a mine to be temporarily or even permanently closed. If this occurs, we may be required to incur significant legal, operational and capital expenditures to re-open the affected mine. In addition, environmental regulations and enforcement could impose unexpected costs on our mining operations, and future regulations could increase those costs or limit our ability to produce quartz and sell coal. A failure to obtain and renew permits necessary for our mining operations could limit our production and negatively affect our business. It is also possible that we have extracted or may in the future extract quartz from territory beyond the boundary of our mining concession or mining right, which could result in penalties or other regulatory action or liabilities.

We are subject to environmental, health and safety regulations, including laws that impose substantial costs and the risk of material liabilities.

Our operations are subject to extensive foreign, federal, national, state, provincial and local environmental, health and safety laws and regulations governing, among other things, the generation, discharge, emission, storage, handling, transportation, use, treatment and disposal of hazardous substances; land use, reclamation and remediation; waste management and pollution prevention measures; greenhouse gas emissions; and the health and safety of our employees. We are also required to obtain permits from governmental authorities for certain operations, and to comply with related laws and regulations. We may not have been and may not always be in full compliance with such permits and related laws and regulations. If we violate or fail to comply with these permits and related laws and regulations, we could be subject to penalties, restrictions on operations or other sanctions, obligations to install or upgrade pollution control equipment and legal claims, including for alleged personal injury or property or environmental damages. Such liability could adversely affect our reputation, business, results of operations and financial condition. In addition, in the context of an investigation, the government may impose obligations to make technology upgrades to our facilities that could result in our incurring material capital expenses. For example, in August 2023, the Company resolved two Notices of Violation/Findings of Violation ("NOV/FOV") from the U.S. federal government that alleged numerous violations of the Clean Air Act relating to the Company's Beverly, Ohio facility. See "Item 8.A.—Financial Information—Consolidated Financial Statements and Other Financial Information—Legal proceedings" for additional information. The Beverly facility also is located in an area currently designated as Non-Attainment for the one hour SO2 National Ambient Air Quality Standards ("NAAQS"). The Company has entered into a state Director's Final

Findings & Order ("DFFOs") with the Ohio Environmental Protection Agency ("OEPA") to accept facility-wide SO2 emission limits to ensure that the facility is not causing exceedances of the SO2 NAAQS. In May 2023, OEPA submitted an attainment demonstration to the United States Environmental Protection Agency ("EPA"), demonstrating that the DFFOs ensured compliance with the SO2 NAAQS. In September 2023, EPA issued a final rule approving OEPA's attainment demonstration. Under this final rule and the DFFOs, the Company must perform additional flow testing at the Beverly facility to verify certain inputs to the NAAQS modeling used to demonstrate attainment with the SO2 NAAQS. The Company is working with OEPA and USEPA to perform the additional testing, which is expected to occur in mid-2024.

The metals and mining industry is generally subject to risks and hazards, including fire, explosion, toxic gas leaks, releases of other hazardous materials, rockfalls, and incidents involving mobile equipment, vehicles or machinery. These could occur by accident or by breach of operating and maintenance standards, and could result in personal injury, illness or death of employees or contractors, or in environmental damage, delays in production, monetary losses and possible legal liability.

Under certain environmental laws, we could be required to remediate or be held responsible for the costs relating to contamination of our or our antecessors' past or present facilities and at third party waste disposal sites. We could also be held liable under these environmental laws for sending or arranging for hazardous substances to be sent to third party disposal or treatment facilities if such facilities are found to be contaminated. Under these laws we could be held liable even if we did not know of, or did not cause, such contamination, or even if we never owned or operated the contaminated disposal or treatment facility.

There are a variety of laws and regulations in place or being considered at the international, federal, regional, state and local levels of government that restrict or propose to restrict and impose costs on emissions of carbon dioxide and other greenhouse gases. These legislative and regulatory developments may cause us to incur material costs if we are required to reduce or offset greenhouse gas emissions, or to purchase emission credits or allowances, and may result in a material increase in our energy costs due to additional regulation of power generators. Environmental laws are complex, change frequently and are likely to become more stringent in the future. Because environmental laws and regulations are becoming more stringent and new environmental laws and regulations are continuously being enacted or proposed, such as those relating to greenhouse gas emissions and climate change, the level of expenditures required for environmental matters could increase in the future. Future legislative action and regulatory initiatives could result in changes to operating permits, additional remedial actions, material changes in operations, increased capital expenditures and operating costs, increased costs of the goods we sell, and decreased demand for our products that cannot be assessed with certainty at this time.

Therefore, our costs of complying with current and future environmental laws, and our liabilities arising from past or future releases of, or exposure to, hazardous substances may adversely affect our business, results of operations and financial condition.

Compliance with existing and proposed climate change laws and regulations could adversely affect our performance.

Under current European Union legislation, all industrial sites are subject to cap-and-trade programs, by which every facility with carbon emissions is required to purchase in the market emission rights for volumes of emission that exceed a certain allocated level. Until 2021, the allocated level of emissions had been practically sufficient for our business, limiting the impact on our business of emissions rights purchases. Recent changes to regulations have and could continue to reduce the allocation of free allowances requiring us to make significant purchases of emissions rights in the market. Also, certain Canadian provinces have implemented cap-and-trade programs. As a result, our facilities in Canada may be required to purchase emission credits in the future. The requirement to purchase emissions rights in the market could result in material costs to the Company, in addition to increased compliance costs, additional operating restrictions for our business, and an increase in the cost of the products we produce, which could have a material adverse effect on our financial position, results of operations, and liquidity.

In the United States, the current administration has placed a greater emphasis on regulating greenhouse gas emissions, although no proposed regulations have been enacted to date. However, carbon taxes, clean energy standards, carbon offsets, and/or the requirement to participate in a cap-and-trade program are periodically explored by the U.S. government. Although it is impossible to predict what form such action will take, any action may result in material

increased compliance costs additional operating restrictions for our business, and an increase in the cost of the products we produce, which could have a material adverse effect on our financial position, results of operations and liquidity.

Natural disasters and climate change could affect our suppliers or customers, negatively impacting our operations.

Natural disasters and climate change could significantly damage our mining and production facilities and infrastructure both directly and indirectly. Such natural disasters and climate change effects may cause a contraction in sales to countries adversely affected due to, among other factors, droughts, floods, heat waves and wildfires which may cause damages in industrial facilities and infrastructure. Such weather events could adversely affect our operations directly and may cause indirect disruptions in our supply chain and logistic routes. The Company continuously monitors climate and natural events which could impact our facilities and supply chain to maintain and implement appropriate mitigation measures.

As a measure of control and monitoring of the risks associated with climate change, both physical and transitional, an annual assessment is conducted. This assessment includes, at the facility level, all physical risks that may impact our operations. Different scenarios and climatic variables are considered, as well as the time periods in which these risks are expected to materialize and the existing control and mitigation measures that allow for attenuating and controlling such risks.

Although climate change has not historically had a material impact, its future impacts on our business remains uncertain. We are likely to experience changes in rainfall patterns, increased temperatures, water shortages (and potential issues with water availability), rising sea and river levels, lower water levels in rivers due to natural or operational conditions, increased storm frequency and intensity as a result of climate change, which may adversely affect our operations. The Company maintains insurance covering damages caused by natural disasters; however, extensive damage to our facilities and staff casualties due to natural disasters may not be covered by our insurer and/or could materially adversely affect our ability to conduct our operations and, as a result, reduce our future operating results.

In addition, the potential physical impact of climate change on our operations is highly uncertain and would be particular to the geographic circumstances of our facilities and operations. It may include changes in rainfall patterns, water shortages, rising sea and river levels, changing storm patterns and intensities and changing temperatures. These effects may materially adversely impact the cost, production and financial performance of our operations.

Climate change, sustainability regulations and Company initiatives, including our environmental commitments associated with our decarbonization plan, could place additional burden on us and our operations.

We may face increased climate related regulation and as well as expectations from our stakeholders to take actions beyond regulatory requirements to minimize our impact on the environment and mitigate climate change related effects. The mining and metals sector contributes directly to greenhouse gas emissions and continues to be subject to increasing regulations. In order to address such regulations, we may be required to adapt our production processes or purchase additional equipment or carbon offsets, leading to increased costs. In 2023, the Company articulated certain decarbonization actions, which are focused on reducing our Scope 1 and 2 emissions by 2030, and will be published in our 2023 Global ESG Report later in 2024.

To meet these additional requirements, we will need to continue to deploy additional equipment, introduce process changes, utilize alternative suppliers and materials, and take other similar actions, some or all of which may require us to incur additional costs which could result in a material adverse effect on our results of operations and our financial position. In addition, if we fail to meet these expectations, we may experience reputational risk which could impact our ability to attract and retain employees, investors and customers.

Further, our operating sites, as well as those of our partners along the supply chain, may be exposed to changing and/or increasing physical risks resulting from climate change that are either chronic (induced by longer-term shifts in climate patterns, such as sea level rise, or changing temperature, wind or precipitation patterns) or acute (event-drive such as cyclones, hurricanes or heat waves). In the context of efforts to transition to a lower-carbon economy, we will likely be exposed to further policy, legal, technology, and market transition risks. If we do not respond to these risks effectively or if our efforts are lower than our peers, we may suffer reputational risks which may lead to financial repercussions such as a decrease in share price.

We make a significant portion of our sales to a limited number of customers, and the loss of a portion of the sales to these customers could have a material adverse effect on our revenues and profits.

For the year ended December 31, 2023, our ten largest customers accounted for 51.0% of Ferroglobe's consolidated sales. We expect that we will continue to derive a significant portion of our business from sales to these customers

Some contracts with our customers do not entail commitments from the customer to purchase specified or minimum volumes of products over time. Accordingly, we face a risk of unexpected reduced demand for our products from such customers as a result of, for instance, downturns in the industries in which they operate or any other factor affecting their business, which could have a material adverse effect on our revenues and profits.

If we were to experience a significant reduction in the amount of sales we make to some or all of such customers and could not replace these sales with sales to other customers, this could have a material adverse effect on our revenues and profits.

Products we manufacture may be subject to unfair import competition that may affect our profitability.

A number of the products we manufacture, including silicon metal and ferrosilicon, are globally-traded commodities that are sold primarily on the basis of price. As a result, our sales volumes and prices may be adversely affected by influxes of imports of these products that are dumped or are subsidized by foreign governments. Our silicon metal and ferrosilicon operations have been injured by such unfair import competition in the past. Applicable antidumping and countervailing duty laws and regulations may provide a remedy for unfairly traded imports in the form of special duties imposed to offset the unfairly low pricing or subsidization. However, the process for obtaining such relief is complex and uncertain. As a result, while we have sought and obtained such relief in the past, in some cases we have not been successful. Thus, there is no assurance that such relief will be obtained, and if it is not, unfair import competition could have a material adverse effect on our business, results of operations and financial condition.

Our business benefits from antidumping and countervailing duty orders and laws that protect our products by imposing special duties on unfairly traded imports from certain countries. If these duties or laws change, certain foreign competitors might be able to compete more effectively.

Ferroglobe benefits from antidumping and countervailing duty orders and laws that protect its business and products by imposing special duties on unfairly traded imports from certain countries. See "Item 4.B.—Information on the Company—Business Overview—Regulatory Matters—Trade" for additional information.

These orders may be subject to revision, revocation or rescission at any time, including through periodic governmental reviews and proceedings. Current antidumping and countervailing duty orders thus (i) may not remain in effect and continue to be enforced from year to year, (ii) may change the covered products and countries under current orders, and (iii) may reassess duties.

Changes in any of these factors could adversely affect our business and profitability. Finally, at times, in filing trade actions, we arguably act against the interests of our customers. Certain of our customers may not continue to do business with us as a result.

We operate in a highly competitive industry.

The silicon metal market and the silicon-based and manganese-based alloys markets are global, capital intensive and highly competitive. Our competitors may have greater financial resources, as well as other strategic advantages, to maintain, improve and possibly expand their facilities, and, as a result, they may be better positioned than we are to adapt to changes in the industry or the global economy. Advantages that our competitors have over us from time to time, new entrants that increase competition in our industry, and increases in the use of substitutes for certain of our products could have a material adverse effect on our business, results of operations and financial condition.

Competitive pressure from Chinese steel, aluminum, polysilicon and silicone producers may adversely affect the business of our customers, reducing demand for our products. Our customers may relocate to China, where they may not continue purchasing from us.

China's aluminum, polysilicon and steel producing capacity exceeds local demand and has made China a significant net exporter of aluminum and steel. The Chinese silicone manufacturing industry is also growing rapidly. Chinese aluminum, polysilicon, steel and silicone producers — who are unlikely to purchase silicon metal, manganese and silicon based alloys and other specialty metals from our subsidiaries outside of China due to the ample availability of domestic Chinese production — may gain global market share at the expense of our customers. An increase in Chinese aluminum, steel, polysilicon and silicone industry market share could adversely affect the production volumes, revenue and profits of our customers, resulting in reduced purchases of our products.

Moreover, our customers might seek to relocate or refocus their operations to China or other countries with lower labor costs and higher growth rates. Any that do so might thereafter choose to purchase from other suppliers of silicon metal, silicon- and manganese-based alloys and other specialty metals which in turn could have a material adverse effect on our business, results of operations and financial condition.

We are subject to the risk of union disputes and work stoppages at our facilities, which could have a material adverse effect on our business.

A majority of our employees are members of labor unions. We experience protracted negotiations with labor unions, strikes, work stoppages or other industrial actions from time to time. Strikes called by employees or unions have in the past, and could in the future, materially disrupt our operations, including productions schedules and delivery times. We have experienced strikes by our employees at several of our facilities from time to time and a certain number of these strikes have been protracted and have resulted in significant production disruptions. Any such work stoppage could have a material adverse effect on our business, results of operations and financial condition.

New labor contracts have to be negotiated to replace expiring contracts from time to time. It is possible that future collective bargaining agreements will contain terms less favorable than the current agreements. Any failure to negotiate renewals of labor contracts on terms acceptable to us, with or without work stoppages, could have a material adverse effect on our business, results of operations and financial condition.

Many of our key customers or suppliers are similarly subject to union disputes and work stoppages, which may reduce their demand for our products or interrupt the supply of critical raw materials and impede their ability to fulfil their commitments under existing contracts, which could have a material adverse effect on our business, results of operations and financial condition.

We are dependent on key personnel.

Our success depends in part upon the retention of key employees. Competition for qualified personnel can be intense. Current and prospective employees may experience uncertainty about our business or industry, which may impair our ability to attract, retain and motivate key management, sales, technical and other personnel.

If key employees depart our overall business may be harmed. We also may have to incur significant costs in identifying, hiring and retaining replacements for departing employees, may lose significant expertise and talent relating to our business and our ability to further realize the anticipated benefits of the Business Combination may be adversely affected. In addition, the departure of key employees could cause disruption or distractions for management and other personnel. Furthermore, we cannot be certain that we will be able to attract and retain replacements of a similar caliber as departing key employees.

The long-term success of our operations depends to a significant degree on the continued employment of our core senior management team. In particular, we are dependent on the skills, knowledge and experience of Javier López Madrid, our Executive Chairman, Marco Levi, our Chief Executive Officer, and Beatriz García-Cos, our Chief Financial Officer. If these employees are unable to continue in their respective roles, or if we are unable to attract and retain other skilled employees, our business, results of operations and financial condition could be adversely affected. We currently have employment agreements with Mr. López Madrid, Dr. Levi and Ms. García-Cos. These agreements contain certain non-compete provisions, which may not be fully enforceable by us. Additionally, we are substantially

dependent upon key personnel among our legal, financial and information technology staff, who enable us to meet our regulatory, contractual and financial reporting obligations, including reporting requirements under our credit facilities.

Shortages of skilled labor could adversely affect our operations.

We depend on skilled labor for the operation of our submerged arc furnaces and other facilities. Some of our facilities are located in areas where demand for skilled personnel often exceeds supply. Shortages of skilled furnace technicians and other skilled workers, including as a result of deaths, work stoppages or other events, could restrict our ability to maintain or increase production rates, lead to production inefficiencies and increase our labor costs.

In certain circumstances, the members of our Board may have interests that may conflict with yours as a holder of ordinary shares.

Our directors have no duty to us with respect to any information such directors may obtain (i) otherwise than as our directors and (ii) in respect of which directors owe a duty of confidentiality to another person, provided that where a director's relationship with such other person gives rise to a conflict, such conflict has been authorized by our Board in accordance with our articles of association ("Articles"). Our Articles provide that a director shall not be in breach of the general duties directors owe to us pursuant to the UK Companies Act 2006 because such director:

- fails to disclose any such information to our Board, directors or officers; or
- · fails to use or apply any such information in performing such director's duties as a director.

In such circumstances, certain interests of the members of our Board may not be aligned with your interests as a holder of ordinary shares and the members of our Board may engage in certain business and other transactions without any accountability or obligation to us.

We may not realize the cost savings and other benefits that we expect to achieve.

We are continuously looking for opportunities to improve our operations through changes in processes, technology, information systems, and management of best practices. These initiatives are complex and require skilled management and the support of our workforce to implement them.

In our efforts to improve our business fully and successfully, we may encounter material unanticipated problems, expenses, liabilities, competitive responses, loss of client relationships, and a resulting diversion of management's attention. The challenges include, among others:

- managing change throughout the company;
- · coordinating geographically separate organizations;
- · potential diversion of management focus and resources from ordinary operational matters and future strategic opportunities;
- retaining existing customers and attracting new customers;
- maintaining employee morale and retaining key management and other employees;
- integrating two unique business cultures that are not necessarily compatible;
- issues in achieving anticipated operating efficiencies, business opportunities and growth prospects;
- issues in integrating information technology, communications and other systems;
- changes in applicable laws and regulations;
- changes in tax laws (including under applicable tax treaties) and regulations or to the interpretation of such tax laws or regulations by the governmental authorities; and

• managing tax costs or inefficiencies associated with integrating our operations.

Many of these factors are outside of our control and any one of them could result in increased costs, decreased revenues and diversion of management's time and energy, which could materially impact our business, results of operations and financial condition.

Any failure to integrate acquired businesses successfully or to complete future acquisitions successfully could be disruptive of our business and limit our future growth.

From time to time, we have pursued acquisitions in support of our strategic goals. In connection with any such acquisition, we could face significant challenges in managing and integrating our expanded or combined operations, including acquired assets, operations and personnel. For example, we have faced challenges in integrating Globe and Ferroatlantica following the merger in 2015, and with the acquisitions of the Mo i Rana and Dunkirk plants. There can be no assurance that acquisition opportunities will be available on acceptable terms or at all or that we will be able to obtain necessary financing or regulatory approvals to complete potential acquisitions. Our ability to succeed in implementing our strategy will depend to some degree upon the ability of our management to identify, complete and successfully integrate commercially viable acquisitions. Acquisitions may further disrupt our ongoing business and distract management from other responsibilities.

We engage in related party transactions with affiliates of Grupo VM, our principal shareholder.

Conflicts of interest may arise between our principal shareholder and your interests as a shareholder. Our principal shareholder has, and will continue to have, directly or indirectly, the power, among other things, to affect our day-to-day operations, including the pursuit of related party transactions. We have entered, and may in the future enter, into agreements with companies who are affiliates of Grupo VM, our principal shareholder. Such agreements have been approved by, or would be subject to the approval of, the Board or the Audit Committee, as its delegate. The terms of such agreements may present material risks to our business and results of operations. For example, we have entered into multiple agreements with affiliates of Grupo VM with respect to, among other things, the provision of information technology and data processing services and energy-related services. See "Item 7.B.—Major Shareholders and Related Party Transactions—Related Party Transactions."

We are exposed to significant risks in relation to compliance with anti-bribery and corruption laws, anti-money laundering laws and regulations, and economic sanctions programs.

Operating globally requires us to comply with the laws and regulations of various jurisdictions. In particular, our international operations are subject to anti-corruption laws, most notably the U.S. Foreign Corrupt Practices Act of 1977 ("FCPA") and the UK Bribery Act of 2010 (the "Bribery Act"), international trade sanctions programs, most notably those administered by the U.N., U.S. and European Union, anti-money laundering laws and regulations, and laws against human trafficking and slavery, most notably the UK Modern Slavery Act 2015 ("Modern Slavery Act").

The FCPA and Bribery Act prohibit offering or providing anything of value to foreign officials for the purposes of obtaining or retaining business or securing any improper business advantage. We may deal from time to time with both governments and state-owned business enterprises, the employees of which are considered foreign officials for purposes of these laws. International trade sanctions programs restrict our business dealings with or relating to certain sanctioned countries and certain sanctioned entities and persons no matter where located.

As a result of doing business internationally, we are exposed to a risk of violating applicable anti-bribery and corruption ("ABC") laws, international trade sanctions, and anti-money laundering ("AML") laws and regulations. Some of our operations are in developing countries that lack well-functioning legal systems and have high levels of corruption. Our worldwide operations and any expansion, including in developing countries, our development of joint venture relationships worldwide, and the engagement of local agents in the countries in which we operate tend to increase the risk of violations of such laws and regulations. Violations of ABC laws, AML laws and regulations, and trade sanctions are punishable by civil penalties, including fines, denial of export privileges, injunctions, asset seizures, debarment from government contracts (and termination of existing contracts) and revocations or restrictions of licenses, as well as criminal penalties including possible imprisonment. Moreover, any major violations could have a significant impact on our reputation and consequently on our ability to win future business.

For its part, the Modern Slavery Act requires any commercial organization that carries on a business or part of a business in the United Kingdom ("U.K") which (i) supplies goods or services and (ii) has an annual global turnover of £36 million to prepare a slavery and human trafficking statement for each financial year ending on or after March 31, 2016. In this statement, the commercial organization must set out the steps it has taken to ensure there is no modern slavery in its own business and its supply chain, or provide an appropriate negative statement. The UK Secretary of State may enforce this duty by means of civil proceedings. The nature of our operations and the regions in which we operate may make it difficult or impossible for us to detect all incidents of modern slavery in certain of our supply chains. Any failure in this regard would not violate the Modern Slavery Act per se, but could have a significant impact on our reputation and consequently on our ability to win future business.

We seek to build and continuously improve our systems of internal controls and to remedy any weaknesses identified. As part of our efforts to comply with all applicable law and regulation, we have introduced a global ethics and compliance program based around our Code of Conduct. However, we cannot be certain that our policies and procedures will be followed at all times or that we will prevent or timely detect violations of applicable laws, regulations or policies by our personnel, partners or suppliers. Any actual or alleged failure to comply with applicable laws or regulations could lead to material liabilities not covered by insurance or other significant losses, which in turn could have a material adverse effect on our business, results of operations, and financial condition.

Although we are not currently operating at full capacity, we have previously operated at near the maximum capacity of our operating facilities. Because the cost of increasing capacity may be prohibitively expensive, we may have difficulty increasing our production and profits.

Our facilities can manufacture, collectively, approximately 329,000 tons of silicon metal, 302,000 tons of silicon-based alloys and 562,000 tons of manganese-based alloys on an annual basis. Our ability to increase production and revenues will depend on expanding existing facilities, acquiring facilities or building new ones.

We may not have sufficient funds or time to expand existing facilities, acquire new facilities, or open new ones and may be required to incur significant debt to do so, which could have a material adverse effect on our business and financial condition.

Planned investments in the expansion and improvement of existing facilities and in the construction of new facilities may not be successful.

We may engage in significant capital improvements to our existing facilities to upgrade and add capacity to those facilities. We also may engage in the development and construction of new facilities. Should any such efforts not be completed in a timely manner and within budget, or be unsuccessful otherwise, we may incur additional costs or impairments which could have a material adverse effect on our business, results of operations and financial condition.

Our insurance costs may increase materially, and insurance coverages may not be adequate to protect us against all risks and potential losses to which we may be subject.

We maintain various forms of insurance covering a number of specified and consequential risks and losses arising from insured events under the policies, including securities claims, certain business interruptions and claims for damage and loss caused by certain natural disasters, such as earthquakes, floods and windstorms. Our existing property and liability insurance coverage contains various exclusions and limitations on coverage. In some previous insurance policy renewals, we have acceded to larger premiums, self-insured retentions and deductibles. For example, as a result of an explosion at our facility in Chateau Feuillet, France in 2016, the applicable property insurance premium increased. We may also be subject to additional exclusions and limitations on coverage in future insurance policy renewals. There can be no assurance that the insurance policies we have in place are or will be sufficient to cover all potential losses we may incur. In addition, due to changes in our circumstances and in the global insurance market, insurance coverage may not continue to be available to us on terms we consider commercially reasonable or be sufficient to cover multiple large claims.

We have operations and assets in the United States, Spain, France, Canada, China, South Africa, Norway, Venezuela, Argentina and may expand our operations and assets into other countries in the future. Our international operations and assets may be subject to various economic, social and governmental risks.

Our international operations and sales may expose us to risks that are more significant in developing markets than in developed markets and which could negatively impact future revenue and profitability. Operations in developing countries may not operate or develop in the same way or at the same rate as might be expected in a country with an economy, government and legal system similar to western countries. The additional risks that we may be exposed to in such cases include, but are not limited to:

- · tariffs and trade barriers:
- sanctions and other restrictions in our ability to conduct business with certain countries, companies or individuals;
- · recessionary trends, inflation or instability of financial markets;
- · regulations related to customs and import/export matters;
- · tax issues, such as tax law changes, changes in tax treaties and variations in tax laws;
- · absence of a reliable legal or court system;
- changes in regulations that affect our business, such as new or more stringent environmental requirements or sudden and unexpected raises in power rates;
- · limited access to qualified staff;
- · inadequate infrastructure;
- · cultural and language differences;
- inadequate banking systems;
- restrictions on the repatriation of profits or payment of dividends;
- · crime, strikes, riots, civil disturbances, terrorist attacks or wars;
- · nationalization or expropriation of property;
- less access to urgent medical care for employees and key personnel in the case of severe illness;
- law enforcement authorities and courts that are weak or inexperienced in commercial matters; and

· deterioration of political relations among countries.

In addition to the foregoing, exchange controls and restrictions on transfers abroad and capital inflow restrictions have limited, and can be expected to continue to limit, the availability of international credit.

The critical social, political and economic conditions in Venezuela have adversely affected, and may continue to adversely affect, our results of operations.

Among other policies in recent years, the Venezuelan government has continuously devalued the Bolívar. The resulting inflation has devastated the country, which is experiencing all manner of shortages of basic materials and other goods and difficulties in importing raw materials. In 2016, we idled our Venezuelan operations and sought to determine the recoverable value of the long lived assets there. We concluded that the costs to dispose of the facility exceeded the fair value of the assets, primarily due to political and financial instability in Venezuela. Accordingly, we wrote down the full value of our Venezuelan facilities. However, our inability to generate cash in that market may cause us to default on some of our obligations there in the future, which may result in administrative intervention or other consequences. In addition, in the recent past the Venezuelan government has threatened to nationalize certain businesses and industries, which could result in a loss of our Venezuelan facilities for no consideration. If the social, political and economic conditions in Venezuela continue as they are, or worsen, our business, results of operations and financial condition could be adversely affected. Venezuela net assets value were immaterial as of December 31, 2023 and 2022, respectively. Sales were immaterial for the years ended December 31, 2023, 2022 and 2021, respectively.

We are exposed to foreign currency exchange risk and our business and results of operations may be negatively affected by the fluctuation of different currencies.

We transact business in numerous countries around the world and a significant portion of our business entails cross border purchasing and sales. Our sales made in a particular currency do not exactly match the amount of our purchases in such currency. We prepare our consolidated financial statements in USD, while the financial statements of each of our subsidiaries are prepared in the respective entity's functional currency. Accordingly, our revenues and earnings are continuously affected by fluctuations in foreign currency exchange rates. For example, in instances when our sales made in USD exceed the amount of our purchases made in USD, the appreciation of certain currencies (like the Euro or the South African Rand) against the USD would tend to have an adverse effect on our costs. Such adverse movements in relevant exchange rates could have a material adverse effect on our business, results of operations and financial condition.

We depend on a limited number of suppliers for certain key raw materials. The loss of one of these suppliers or the failure of one of any of them to meet contractual obligations to us could have a material adverse effect on our business.

Colombia and the United States are among the preferred sources for the coal consumed in the production of silicon metal and silicon-based alloys, and the vast majority of producers source coal from these two countries. In the year ended December 31, 2023, approximately 59% of our coal was purchased from third parties. Of our third-party purchases, approximately 84% came from Colombia.

Additionally, nearly all of the manganese ore we purchase comes from suppliers located in South Africa and Gabon. We do not control these third-party suppliers and must rely on them to perform in accordance with the terms of their contracts. If these suppliers fail to provide us with the required raw materials in a timely manner, or at all, or if the quantity or quality of the materials they provide is lower than that contractually agreed, we may not be able to procure adequate supplies of raw materials from alternative sources on comparable terms, or at all, which could have a material adverse effect on our business, results of operations and financial condition. In addition, since many suppliers of these raw materials are located in the same region, if a natural disaster or event affected one of these regions it is likely alternative sources would also be similarly affected

We are impacted by the ongoing military conflict between Russia and Ukraine. Our business may be materially adversely affected by any negative impact on the global economy and capital markets resulting from the conflict in Ukraine or any other geopolitical tensions.

Global markets are experiencing volatility and disruption following the escalation of geopolitical tensions and the start of the military conflict between Russia and Ukraine. On February 24, 2022, a full-scale military invasion of Ukraine by Russian troops was reported. Although the length and impact of the ongoing military conflict is highly unpredictable, the conflict in Ukraine could lead to market disruptions, including significant volatility in commodity prices, credit and capital markets, as well as supply chain interruptions.

Russia and Ukraine are meaningful producers of silicon metal, silicon alloys and manganese based alloys, and are also significant suppliers of raw materials for our business and industry. The inability of Russian and Ukrainian producers to meet their customer obligations could potentially create tightness in the market. Likewise, we rely on a number of inputs from Russia and the Commonwealth of Independent States region, including metallurgical coke, anthracite and carbon and graphite electrodes. Our inability to procure these materials can adversely impact our operations.

Additionally, Russia's prior annexation of Crimea, recent recognition of two separatist republics in the Donetsk and Luhansk regions of Ukraine and subsequent military interventions in Ukraine have led to sanctions and other penalties being levied by the United States, European Union and other countries against Russia, Belarus, the Crimea Region of Ukraine, the so-called Donetsk People's Republic, and the so-called Luhansk People's Republic, including agreement to remove certain Russian financial institutions from the Society for Worldwide Interbank Financial Telecommunication ("SWIFT") payment system, expansive ban on imports and exports of products to and from Russia and ban on exportation of U.S denominated banknotes to Russia or persons located there. Additional potential sanctions and penalties have also been proposed and/or threatened. Russian military actions and the resulting sanctions could adversely affect the global economy and financial markets and lead to instability and lack of liquidity in capital markets, potentially making it more difficult for us to obtain additional funds. The extent and duration of the military action, sanctions and resulting market disruptions are impossible to predict, but could be substantial.

Management continually tracks developments in the conflict in Ukraine and is committed to actively managing our response to potential distributions to the business, but can provide no assurance that the conflict in Ukraine or other ongoing headwinds will not have a material adverse effect on our business, operations and financial results.

Any delay or failure to procure, renew or maintain necessary governmental permits, including environmental permits and concessions to operate our hydropower plants would adversely affect our results of operations.

The operation of our hydropower plants is highly regulated, requires various governmental permits, including environmental permits and concessions, and may be subject to the imposition of conditions by government authorities. We cannot predict whether the conditions prescribed in such permits and concessions will be achievable. The denial of a permit essential to a hydropower plant or the imposition of impractical conditions would impair our ability to operate the plant. If we fail to satisfy the conditions or comply with the restrictions imposed by governmental permits or concessions, or restrictions imposed by other applicable statutory or regulatory requirements, we may face enforcement action and be subject to fines, penalties or additional costs or revocation of such permits or concessions. Any failure to procure, renew or abide by necessary permits and concessions would adversely affect the operation of our hydropower plants.

Equipment failures may lead to production curtailments or shutdowns and repairing any failure could require us to incur capital expenditures and other costs.

Many of our business activities are characterized by substantial investments in complex production facilities and manufacturing equipment. Because of the complex nature of our production facilities, any interruption in manufacturing resulting from fire, explosion, industrial accidents, natural disaster, equipment failures or otherwise could cause significant losses in operational capacity and could materially and adversely affect our business, results of operations and financial condition.

Other equipment may not continue to perform as they have in the past or as they are expected. A major equipment failure due to wear and tear, latent defect, design error or operator error, early obsolescence, natural disaster or other force majeure event could cause significant losses in operational capacity. Repairs following such failures could require us to incur capital expenditures and other costs. Such major failures also could result in damage to the

environment or damages and harm to third parties or the public, which could expose us to significant liability. Such costs and liabilities could adversely affect our business, results of operations and financial condition

We depend on proprietary manufacturing processes and software. These processes may not yield the cost savings that we anticipate and our proprietary technology may be challenged.

We rely on proprietary technologies and technical capabilities in order to compete effectively and produce high quality silicon metal and silicon-based alloys, including:

- computerized technology that monitors and controls production furnaces;
- · electrode technology and operational know-how;
- metallurgical processes for the production of solar-grade silicon metal;
- · production software that monitors the introduction of additives to allows, allowing the precise formulation of the chemical composition of products; and
- flowcaster equipment, which maintains certain characteristics of silicon-based alloys as they are cast.

We are subject to a risk that:

- · we may not have sufficient funds to develop new technology and to implement effectively our technologies as competitors improve their processes;
- if implemented, our technologies may not work as planned; and
- our proprietary technologies may be challenged and we may not be able to protect our rights to these technologies.

Patent or other intellectual property infringement claims may be asserted against us by a competitor or others. Our intellectual property rights may not be enforceable and may not enable us to prevent others from developing and marketing competitive products or methods. An infringement action against us may require the diversion of substantial funds from our operations and may require management to expend efforts that might otherwise be devoted to operations. A successful challenge to the validity of any of our patents may subject us to a significant award of damages, and may oblige us to secure licenses of others' intellectual property, which could have a material adverse effect on our business, results of operations and financial condition.

We also rely on trade secrets, know-how and continuing technological advancement to maintain our competitive position. We may not be able to effectively protect our rights to unpatented trade secrets and know-how

Ferroglobe PLC is a holding company whose principal source of revenue is the income received from its subsidiaries.

Ferroglobe PLC is dependent on the income generated by its subsidiaries in order to earn distributable profits and pay dividends to shareholders. The amounts of distributions and dividends, if any, to be paid to us by any operating subsidiary will depend on many factors, including such subsidiary's results of operations and financial condition, limits on dividends under applicable law, its constitutional documents, documents governing any indebtedness, applicability of tax treaties and other factors which may be outside our control. If our operating subsidiaries do not generate sufficient cash flow, we may be unable to earn distributable profits and pay dividends on our shares.

Our business operations may be impacted by various types of claims, lawsuits, and other contingent obligations.

We are involved in various legal and regulatory proceedings including those that arise in the ordinary course of our business. We estimate such potential claims and contingent liabilities and, where appropriate, record provisions to address these contingent liabilities. The ultimate outcome of the legal matters currently pending against our Company is uncertain, and although such claims, lawsuits and other legal matters are not expected individually to have a material adverse effect, such matters in the aggregate could have a material adverse effect on our business, results of operations

and financial condition. Furthermore, we could, in the future, be subject to judgments or enter into settlements of lawsuits and claims that could have a material adverse effect on our results of operations in any particular period. While we maintain insurance coverage in respect of certain risks and liabilities, we may not be able to obtain such insurance on acceptable terms in the future, if at all, and any such insurance may not provide adequate coverage against such claims. See "Item 8.A.—Financial Information—Consolidated Statements and Other Financial Information—Legal proceedings" for additional information regarding legal proceedings to which we are party.

We are exposed to changes in economic and political conditions where we operate and globally that are beyond our control.

Our industry is affected by changing economic conditions, including changes in national, regional and local unemployment levels, changes in national, regional and local economic development plans and budgets, shifts in business investment and consumer spending patterns, credit availability, and business and consumer confidence. Disruptions in national economies and volatility in the financial markets may and often will reduce consumer confidence, negatively affecting business investment and consumer spending. The outlook for the global economy in the near term is negative due to several factors, including geopolitical risks, inflation and concerns about global growth and stability.

We are not able to predict the timing or duration of periods of economic growth in the countries where we operate or sell products, nor are we able to predict the timing or duration of any economic downtum or recession that may occur in the future.

Cybersecurity breaches and threats could disrupt our business operations and result in the loss of critical and confidential information.

We rely on the effective functioning and availability of our information technology and communication systems and the security of such systems for the secure processing, storage and transmission of confidential information. The sophistication and magnitude of cybersecurity incidents are increasing and include, among other things, unauthorized access, computer viruses, deceptive communications and malware. We have experienced minor incidents in the past, and information technology security processes may not effectively detect or prevent cybersecurity breaches or threats and the measures we have taken to protect against such incidents may not be sufficient to anticipate or prevent rapidly evolving types of cyber-attacks. Breaches of the security of our information technology and communication systems could result in destruction or corruption of data, the misappropriation, corruption or loss of critical or confidential information, business disruption, reputational damage, litigation and remediation costs.

Changes in laws, rules or regulations relating to data privacy and security, or any actual or perceived failure by us to comply with such laws, rules, regulations and standards, or contractual or other obligations relating to data privacy and security, could result in claims, changes to our business practices, penalties, increased cost of operations and could have a material adverse effect on our reputation, results of operations, financial condition and cash flows.

We are, and may increasingly become, subject to various laws, rules, regulations, treaties, decisions and standards, as well as contractual obligations, relating to data privacy and security in the jurisdictions in which we operate. The regulatory environment related to data privacy and security is increasingly rigorous, with new and constantly changing requirements applicable to our business, and enforcement practices are likely to remain uncertain for the foreseeable future. These laws, rules, regulations, treaties, decisions and standards may be interpreted and applied differently over time and from jurisdiction to jurisdiction and in a manner that is inconsistent with our data practices and that could have a material adverse effect on our results of operations, financial condition and cash flows. New laws, amendments to or reinterpretations of existing laws, rules, regulations, treaties, decisions, standards and other obligations may require us to incur additional costs and restrict our business operations, and may require us to change how we use, collect, store, transfer or otherwise process certain types of personal information and to implement new processes to comply with those laws.

Internationally, laws, regulations and standards in many jurisdictions apply broadly to the collection, use, retention, security, disclosure, transfer and other processing of personal information. For example, the EU General Data Protection Regulation (GDPR), which became effective in May 2018, greatly increased the European Commission's jurisdictional reach of its laws and adds a broad array of requirements for handling personal data. EU Member States are tasked under the GDPR to enact, and to have enacted, certain implementing legislation that adds to and/or further

interprets the GDPR requirements and potentially extends our obligations and potential liability for failing to meet such obligations. The GDPR, together with national legislation, regulations and guidelines of the EU Member States and Switzerland (via its Federal Data Protection Act) governing the processing of personal data, impose strict obligations and restrictions on the ability to collect, use, retain, protect, disclose, transfer and otherwise process personal data. In particular, the GDPR includes obligations and restrictions concerning the consent and rights of individuals to whom the personal data relates (and the obligations of sponsors of clinical trials acting as data controllers), the transfer of personal data out of the European Economic Area (EEA), the notification of security breaches and the security and confidentiality of personal data. The GDPR authorizes fines for certain violations of up to 4% of global annual revenue or EUR 20 million, whichever is greater. The GDPR also applies to our key business partners, CROs and service providers, whether or not they are located in Europe, with which we share personal data subject to the GDPR. Additionally, we also are subject to the UK General Data Protection Regulation (UK GDPR) (i.e., a version of the GDPR as implemented into UK law), exposing us to two parallel regimes with potentially divergent interpretations and enforcement actions for certain violations. While the European Commission issued an adequacy decision intended to last for at least four years in respect of the UK's data protection framework, enabling data transfers from EU Member States to the UK to continue without requiring organizations to put in place contractual or other measures in order to lawfully transfer personal data between the territories, the relationship between the UK and the EU in relation to certain aspects of data privacy and security law remains unclear. Although we do not have material operations in the UK, we cannot rule out potential disruptions in relation to t

All of these evolving compliance and operational requirements impose significant costs, which are likely to increase over time.

Possible new tariffs and duties that might be imposed by certain governments, including the United States, the European Union and others, could have a material adverse effect on our results of operations.

In March 2018, the United States imposed import tariffs of 25 percent on steel and 10 percent on aluminum. Exemptions from these tariffs were allowed for steel from Argentina, Australia, Brazil, Canada, Mexico, and South Korea, and aluminum from Argentina, Australia, Canada, and Mexico. These tariffs were expanded to apply to steel and aluminum derivatives from most countries. China, the EU, and other countries imposed retaliatory duties on products from the United States.

In January 2022, the tariffs on steel and aluminum from the EU were replaced by "tariff-rate quotas", which allow a certain volume of imports to enter without the additional tariffs, but impose a 25% tariff on steel imports and a 10% tariff on aluminum imports exceeding the quota amount. Similar arrangements to replace the steel and aluminum tariffs with tariff-rate quotas were implemented for Japan and the UK in April and June 2022, respectively.

Beginning in July 2018, the United States also imposed 25 percent tariffs on a wide array of Chinese products, including products produced and consumed by Ferroglobe, and 7.5 percent on a smaller range of products. In January 2020, the United States and China entered an initial "Phase 1" agreement to resolve the trade dispute between the two countries. The agreement resulted in the suspension of Chinese retaliatory duties on certain U.S. products and the commitment by China to purchase products from the United States. It is unclear whether and, if so, when the two countries will reach a Phase 2 agreement that would resolve the dispute more broadly. Currently a Phase 2 agreement appears unlikely in the foreseeable future.

There are indications that China has not fully complied with its Phase 1 commitments. If China were found to be in noncompliance, the United States could reimpose tariffs on Chinese products that are currently suspended or increase the existing tariffs.

Any broader "trade war" resulting from the imposition of tariffs could have a significant adverse effect on world trade and the world economy. To date, tariffs have not affected our business to a material degree.

Our suppliers, customers, agents or business partners may be subject to or affected by export controls or trade sanctions imposed by government authorities from time to time, which may restrict our ability to conduct business with them and potentially disrupt our production or our sales.

The United States, European Union, United Nations and other authorities have variously imposed export controls and trade sanctions on certain countries, companies, individuals and products, restricting our ability to trade normally with or in them. At present, compliance with such trade regulation is not affecting our business to a material degree. However, new trade regulations may be imposed at any time that target or otherwise affect our customers, suppliers, agents or business partners or their products. In particular, trade sanctions could be imposed that restrict our ability to do business with one or more critical suppliers and require special licenses to do so. Such events could potentially disrupt our production or sales and have a material adverse effect on our business, results of operations and financial condition.

We make significant investments in the development of new technologies and new products. The success of such technologies or products is inherently uncertain and the investments made may fail to render the desired increase in profitability.

In order to improve our processes and increase margins, we have consistently invested significant amounts in the development of new technologies and in the development of new value added products. However, these developments are inherently uncertain, since they may fail to render the desired results when implemented at an industrial scale.

Specifically, we have invested in the construction of a factory to produce high purity silicon metal through a technology developed and patented by the Company. We believe the technology presents several advantages when compared to competitor's processes. This high purity silicon could be used for several applications, including advanced ceramics, fillers for semiconductors, special alloys or li-ion batteries. The most promising market is the silicon for the anode of batteries, whose development depends on the validation of the Si/C composites in the new generation of battery cells for EVs. This is a long process and silicon might not deliver the expected results in terms of capacity, cyclability, fast-charging or safety. There could also be new emerging technologies such as solid-state batteries with lithium metal anode that could phase out the use of silicon in the anode.

Risks Related to Our Capital Structure

We are subject to restrictive covenants under our credit facilities and other financing agreements. These covenants could significantly affect the way in which we conduct our business. Our failure to comply with these covenants could lead to an acceleration of our debt.

Our ability to comply with applicable debt covenants may be affected by events beyond our control, potentially leading to future breaches. The breach of any of the covenants contained in our credit facilities, unless waived, could constitute an event of default, in turn permitting the lenders to terminate their commitments to extend credit under, and accelerate the maturity of, the credit facilities in question. In addition, certain of our financing facilities contain cross default provisions pursuant to which a default under one financing agreement could permit lenders under other financing agreements to accelerate such debt. If in such circumstances we were unable to repay our creditors, or obtain waivers from them on acceptable terms or at all, our creditors could foreclose upon the collateral securing the credit facilities and exercise other rights. Such events, should they occur, could have a material adverse effect on our business, results of operations and financial condition.

Moreover, the restrictions contained in our financing agreements affect our ability to operate our business and may limit our ability to react to market conditions or take advantage of potential business opportunities as they arise. For example, collateral requirements and other restrictions could adversely affect our ability to finance our operations, make strategic acquisitions, investments or alliances, restructure our organization or finance our capital needs. Additionally, our ability to comply with these covenants and restrictions may be affected by events beyond our control. These include prevailing economic, financial and industry conditions.

Our leverage may make it difficult for us to service our debt and operate our business.

Although the Company completed a partial redemption of its Senior Secured Notes totaling \$150.0 million in 2023, as of December 31, 2023, the Company has a net debt balance and material debt service requirements. Our leverage has and in the future could have important consequences, including:

- making it more difficult for us to satisfy our obligations to all creditors;
- requiring us to dedicate a substantial portion of our cash flow from operations to payments on our indebtedness, thus reducing the availability of our cash flow to fund internal growth through working capital and capital expenditures and for other general corporate purposes;
- increasing our vulnerability to a downturn in our business or economic or industry conditions;
- placing us at a competitive disadvantage compared to our competitors that have less indebtedness in relation to cash flow;
- limiting our flexibility in planning for or reacting to changes in our business and our industry;
- · restricting us from investing in growing our business, pursuing strategic acquisitions and exploiting certain business opportunities; and
- limiting, among other things, our and our subsidiaries' ability to incur additional indebtedness, including refinancing, or raise equity capital in the future and increasing the costs of such additional financines

Our ability to service our indebtedness will depend on our future performance, including continued positive results and liquidity, which will be affected by prevailing economic conditions and financial, business, regulatory and other factors, including the military conflict in Ukraine and the Middle East. Many of these factors are beyond our control. We may not be able to generate enough cash flow from operations or obtain enough capital to service our indebtedness or fund our planned capital expenditures. If we cannot service our indebtedness and meet our other obligations and commitments, we might be required to refinance our indebtedness, obtain additional financing, delay planned capital expenditures or to dispose of assets to obtain funds for such purpose. We cannot assure you that any refinancing or asset dispositions could be effected on a timely basis or on satisfactory terms, if at all, or would be permitted by the terms of our outstanding debt instruments.

In February 2024, the Company completed the full redemption of the 9.375% Senior Secured Notes due 2025 at 102.34375% of the principal amount plus accrued interest.

We have experienced past losses and cannot assure you that we will be profitable in the future.

Our business has historically been subject to fluctuations in the prices of our products and the market demand for them, caused by general and regional economic cycles, raw material and energy price fluctuations, competition and other factors. The Company reported positive net results for the years ended December 31, 2023 and 2022, respectively, following multiple consecutive years of losses. Because of the numerous uncertainties and risks inherent in our industry, we are unable to ensure that such profitability will continue into the future.

To service our indebtedness, we require a significant amount of cash, and our ability to generate cash will depend on many factors beyond our control.

Our ability to make payments on and to refinance our indebtedness as well as fund capital expenditures depends in part on our ability to continue to generate cash in the future. This depends on the success of our business strategy and on general economic, financial, competitive, legislative, regulatory and other factors, many of which are beyond our control.

There can be no assurance that we will:

• generate sufficient cash flow from operations;

- · realize operating improvements on schedule; or
- have future borrowings available to us in an amount sufficient to enable us to service and repay our indebtedness or to fund our other liquidity needs.

Furthermore, applicable law and future contractual arrangements may impose restrictions on certain of our subsidiaries' ability to make payments to Ferroglobe and other entities within the Group, which could impact our ability to service and pay our obligations as they mature or to fund our liquidity needs.

There can be no assurance that we will have the available liquidity or the ability to raise financing in order to repay our debt instruments at or ahead of their maturity.

If we are unable to further satisfy our debt obligations, we may have to undertake alternative financing plans, such as refinancing or further restructuring our indebtedness, selling assets, reducing or delaying capital investments or seeking to raise additional capital. There can be no assurance that any refinancing or debt restructuring would be possible, or if possible, that it would be on similar terms to those of our debt instruments existing at that time, that any assets could be sold or that, if sold, the timing of the sales and the amount of proceeds realized from those sales would be favorable to us or that additional financing could be obtained on acceptable terms. As the Reinstated Notes will be secured by a significant portion of our assets that can be granted as collateral, our ability to refinance our existing debt or raise new debt may be limited to unsecured or lesser-secured debt. Disruptions in the capital and credit markets, as have been seen in recent years, could adversely affect our ability to meet our liquidity needs or to refinance our indebtedness.

In February 2024, the Company completed the full redemption of the 9.375% Senior Secured Notes due 2025 at 102.34375% of the principal amount plus accrued interest.

Risks Related to Our Ordinary Shares

Grupo VM, our principal shareholder, has significant voting power with respect to corporate matters considered by our shareholders.

Our principal shareholder, Grupo VM, has, and will continue to have, directly or indirectly, the power, among other things, to affect our legal and capital structure and our day-to-day operations, as well as the ability to elect and change our management and to approve other changes to our operations. Grupo VM owns shares representing 40.1% of the aggregate voting power of our capital stock. So long as Grupo VM's retains its voting power, as well as its representation on the Board, Grupo VM will have significant influence over the outcome of any corporate transaction or other matters submitted to our shareholders for approval. Grupo VM is likely to be able to block any such matter, including ordinary resolutions, which, under English law, require approval by a majority of outstanding shares cast in the vote. Grupo VM will also be able to block special resolutions, which, under English law, require approval by the holders of at least 75% of the outstanding shares entitled to vote and voting on the resolution, such as an amendment of the Articles or the exclusion of preemptive rights.

Grupo VM has pledged most of its shares in our company to secure a loan from Tyrus Capital ("Tyrus").

Grupo VM has guaranteed its obligations pursuant to a credit agreement (the "GVM Credit Agreement") with respect to a loan granted to GVM by Tyrus Capital ("GVM Loan"). In addition, Grupo VM has entered into a security and pledge agreement (the "GVM Pledge Agreement"), with Tyrus pursuant to which Grupo VM agreed to pledge most of its shares to Tyrus to secure the outstanding GVM Loan.

In the event Grupo VM defaults under the GVM Credit Agreement, Tyrus may foreclose on the shares subject to the pledge.

The market price of our ordinary shares may be volatile and may fluctuate due to factors beyond our control.

Our ordinary shares are admitted for trading on the Nasdaq Capital Market under the symbol "GSM". The market price of our ordinary shares is subject to wide fluctuations in response to numerous factors, some of which are beyond our control. These factors include, among other things, actual or anticipated variations in our costs of doing business,

operating results and cash flow, the nature and content of our earnings releases and our competitors' earnings releases, changes in financial estimates by securities analysts, business conditions in our markets and the general state of the securities markets and the market for other financial stocks, changes in capital markets that affect the perceived availability of capital to companies in our industry, and governmental legislation or regulation, as well as general economic and market conditions, such as downturns in our economy and recessions.

Broad market and industry factors may materially affect the market price of companies' stock, including ours, regardless of actual operating performance. Similarly, the market price of our ordinary shares may fluctuate significantly based upon factors unrelated or disproportionate to our operating performance.

These market fluctuations, as well as general economic, political and market conditions, such as recessions, interest rates or international currency fluctuations may adversely affect the market price of our ordinary shares

Significant sales of our ordinary shares, or the perception that significant sales thereof may occur in the future, could adversely affect the market price for our ordinary shares.

The sale of substantial amounts of our ordinary shares could adversely affect the price of these securities. Sales of substantial amounts of our ordinary shares in the public market, and the availability of shares for future sale could adversely affect the prevailing market price of our ordinary shares and could cause the market price of our ordinary shares to remain low for a substantial amount of time.

The Company may be restricted or unable to pay cash dividends in the future.

When and if the Company is not subject to financial covenants that restrict the payment of dividends or the repurchase of shares, the Company may pay dividends from time to time. The payment of future dividends, if any, is subject to then-applicable financial covenants that could in the future restrict the payment of dividends or the repurchase of our shares. The payment of dividends, if any, depends at all times on, among other matters, our results of operations and financial condition and on such other factors as our Board of Directors may, in their discretion, consider relevant.

If securities or industry analysts do not publish or cease publishing research reports about us, if they adversely change their recommendations regarding our ordinary shares, or if our operating results do not meet their expectations, the price of our ordinary shares could decline.

The trading market for our ordinary shares may be influenced by the research and reports that industry or securities analysts may publish about us, our business, our market or our competitors. If there is limited or no securities or industry analyst coverage of us, the market price and trading volume of our ordinary shares would likely be negatively impacted. Moreover, if any of the analysts who may cover us downgrade our ordinary shares or provide relatively more favorable recommendations concerning our competitors, or, if our operating results or prospects do not meet their expectations, the market price of our ordinary shares could decline. If any of the analysts who may cover us were to cease coverage or fail regularly to publish reports about our Company, we could lose visibility in the financial markets, which, in turn, could cause our share price or trading volume to decline.

As a foreign private issuer within the meaning of the rules of Nasdaq, we are subject to different U.S. securities laws and Nasdaq governance standards than domestic U.S. issuers of securities. These may afford relatively less protection to holders of our ordinary shares, who may not receive all corporate and company information and disclosures they are accustomed to receiving or in a manner to which they are accustomed.

As a foreign private issuer, the rules governing the information that we are required to disclose differ from those governing U.S. corporations pursuant to the U.S. Exchange Act. Although we intend to report periodic financial results and certain material events, we are not required to file quarterly reports on Form 10-Q or provide current reports on Form 8-K disclosing significant events within four days of their occurrence. In addition, we are exempt from the SEC's proxy rules, and proxy statements that we distribute will not be subject to review by the SEC. Our exemption from Section 16 rules requiring the reporting of beneficial ownership and sales of shares by insiders means that you will have less data in this regard than shareholders of U.S. companies that are subject to this part of the U.S. Exchange Act and that our insiders are not subject to short-swing profit rules. As a result, in deciding whether to purchase our shares, you may not have all the data that you are accustomed to having when making investment decisions with respect to domestic U.S. public companies.

Furthermore, Nasdaq Rule 5615(a)(3) provides that a foreign private issuer, such as our Company, may rely on home country corporate governance practices in lieu of certain of the rules in the Nasdaq Rule 5600 Series and Rule 5250(d), provided that we nevertheless comply with Nasdaq's Notification of Noncompliance requirement (Rule 5625), the Voting Rights requirement (Rule 5640) and that we have an audit committee that satisfies Rule 5605(c)(2), consisting of committee members that meet the independence requirements of Rule 5605(c)(2)(A)(ii). We are permitted to follow certain corporate governance rules that conform to U.K. requirements in lieu of many of the Nasdaq corporate governance rules, and we intend to comply with the Nasdaq corporate governance rules applicable to foreign private issuers. Accordingly, our shareholders will not have the same protections afforded to stockholders of U.S. companies that are subject to all of the corporate governance requirements of Nasdaq.

We may lose our foreign private issuer status, which would then require us to comply with the Exchange Act's domestic reporting regime and cause us to incur significant legal, accounting and other expenses.

We are a foreign private issuer and therefore we are not required to comply with all of the periodic disclosure and current reporting requirements of the Exchange Act applicable to U.S. domestic issuers. We may no longer be a foreign private issuer as of June 30, 2024 (or the end of our second fiscal quarter in any subsequent fiscal year), which would require us to comply with all of the periodic disclosure and current reporting requirements of the Exchange Act applicable to U.S. domestic issuers as of January 1, 2025 (or the first day of the fiscal year immediately succeeding the end of such second quarter). In order to maintain our current status as a foreign private issuer, either (a) a majority of our ordinary shares must be either directly or indirectly owned of record by non-residents of the U.S. or (b) (i) a majority of our executive officers or directors may not be U.S. citizens or residents, (ii) more than 50 percent of our assets cannot be located in the U.S. and (iii) our business must be administered principally outside the U.S.. If we lost this status, we would be required to comply with the Exchange Act reporting and other requirements applicable to U.S. domestic issuers, which are more detailed and extensive than the requirements for foreign private issuers. We may also be required to make changes in our corporate governance practices in accordance with various SEC and Nasdaq rules. The regulatory and compliance costs to us under U.S. securities laws if we are required to comply with the reporting requirements applicable to a U.S. domestic issuer may be significantly higher than the cost we would incur as a foreign private issuer. As a result, we expect that a loss of foreign private issuer status would increase our legal and financial compliance costs and would make some activities highly time-consuming and costly. We also expect that if we were required to comply with the rules and regulations applicable to U.S. domestic issuers, it would make it more difficult and expensive for us to obtain di

If we fail to maintain an effective system of internal control over financial reporting, we may not be able to accurately report our financial results or prevent fraud. As a result, shareholders could lose confidence in our financial and other public reporting, which would harm our business and the trading price of our ordinary shares.

Our management is responsible for establishing and maintaining adequate internal controls over financial reporting. Effective internal controls over financial reporting are necessary for us to provide reliable financial reports and, together with adequate disclosure controls and procedures, are designed to prevent fraud, among other objectives. Any failure to implement any required new or improved controls, or difficulties encountered in their implementation could cause us to fail to meet our reporting obligations. In connection with the audit of our consolidated financial statements as of and for the year ended December 31, 2020, we identified material weaknesses in our internal control over financial reporting, which were not fully remediated as of December 31, 2023. It rand addition, any testing by us conducted in connection with Section 404 of the Sarbanes-Oxley Act of 2002, or any testing by our independent registered public accounting firm, may reveal deficiencies in our internal controls over financial reporting, which are deemed to be material weaknesses or that may require prospective or retroactive changes to our consolidated financial statements or identify other areas for further attention or improvement.

Moreover, if we are not able to comply with the requirements of Section 404 applicable to us in a timely manner, or if we or our independent registered public accounting firm identifies deficiencies in our internal control over financial reporting that are deemed to be material weaknesses, the market price of our ordinary shares could decline, and we could be subject to sanctions or investigations by the SEC or other regulatory authorities, which would require additional financial and management resources. Furthermore, investor perceptions of our company may suffer if deficiencies are found, and this could cause a decline in the market price of our ordinary shares. Irrespective of compliance with Section 404, any failure of our internal control over financial reporting could have a material adverse effect on our stated operating results and harm our reputation. If we are unable to implement these requirements

effectively or efficiently, it could harm our operations, financial reporting, or financial results and could result in an adverse opinion on our internal control over financial reporting from our independent registered public accounting firm

We are taking measures and plan to continue to take measures to remediate this material weakness. However, the implementation of these measures may not fully address this material weakness in our internal control over financial reporting, and therefore we would not be able to conclude that it has been fully remedied. Our failure to correct this material weakness or our failure to discover and address any other control deficiencies could result in inaccuracies in our financial statements and could also impair our ability to comply with applicable financial reporting requirements and make related regulatory filings on a timely basis. As a result, our business, financial condition, results of operations and prospects, as well as the trading price of our shares, may be materially and adversely affected.

As an English public limited company, we may be required to obtain shareholder approval for certain capital structure decisions. Such approvals may limit our flexibility to manage our capital structure.

English law provides that a board of directors may only allot shares (or rights or convertible into shares) with the prior authorization of shareholders, such authorization being up to the aggregate nominal amount of shares and for a maximum period of five years, each as specified in the Articles of Association or relevant shareholder resolution. The Articles authorize the allotment of additional shares for a period of five years from October 26, 2017 (being the date of the adoption of the Articles), which authorization will need to be renewed upon expiration (i.e., at least every five years) but may be sought more frequently for additional five-year terms (or any shorter period). This authorization was renewed by the 2022 Annual General Meeting (AGM) for an additional five years.

English law also generally provides shareholders with preemptive rights when new shares are issued for cash. However, it is possible for the articles of association, or for shareholders acting in a general meeting, to exclude preemptive rights. Such an exclusion of preemptive rights may be for a maximum period of up to five years from the date of adoption of the articles of association, if the exclusion is contained in the articles of association, or from the date of the shareholder resolution, if the exclusion is by shareholder resolution. In either case, this exclusion would need to be renewed by our shareholders upon its expiration (i.e., at least every five years). The Articles exclude preemptive rights for a period of five years from October 26, 2017, which exclusion will need to be renewed upon expiration (i.e., at least every five years) to remain effective, but may be sought more frequently for additional five-year terms (or any shorter period). This exclusion was renewed by the 2022 AGM for an additional five years.

English law also generally prohibits a public company from repurchasing its own shares without the prior approval of shareholders by ordinary resolution, such being a resolution passed by a simple majority of votes cast, and other formalities. As an English company listed on Nasdaq, we may not purchase our shares except where our shareholders have approved our doing so by ordinary resolution (and with a maximum duration of such approval of five years) and with the prior consent of our shareholders by ordinary resolution to the proposed contract for the purchase of our shares.

English law requires that we meet certain financial requirements before we declare dividends or repurchases.

Under English law, we may only declare dividends, make distributions or repurchase shares out of distributable reserves of the Company or distributable profits. "Distributable profits" are a company's accumulated, realized profits, so far as not previously utilized by distribution or capitalization, less its accumulated, realized losses, so far as not previously written off in a reduction or reorganization of capital duly made, as reported to the Companies House. In addition, as a public company, we may only make a distribution if the amount of our net assets is not less than the aggregate amount of our called-up share capital and undistributable reserves and if, and to the extent that, the distribution does not reduce the amount of those assets to less than that aggregate amount. The directors may also decide to pay interim dividends if it appears to them that the profits available for distribution justify the payment. When declaring the payment of a dividend, the directors will be required under English law to comply with their duties, including considering our future financial requirements.

The enforcement of shareholder judgments against us or certain of our directors may be more difficult.

Because we are a public limited company incorporated under English law, and because most of our directors and executive officers are non-residents of the United States and substantially all of the assets of such directors and executive officers are located outside of the United States, our shareholders could experience more difficulty enforcing

judgments obtained against our Company or our directors in U.S. courts than would currently be the case for U.S. judgments obtained against a U.S. public company or U.S. resident directors. In addition, it may be more difficult (or impossible) to assert some types of claims against our Company or its directors in courts in England, or against certain of our directors in courts in Spain, than it would be to bring similar claims against a U.S. company or its directors in a U.S. court.

The United States is not currently bound by a treaty with Spain or the United Kingdom providing for reciprocal recognition and enforcement of judgments rendered in civil and commercial matters with Spain or the United Kingdom, other than arbitral awards. There is, therefore, doubt as to the enforceability of civil liabilities based upon U.S. federal securities laws in an action to enforce a U.S. judgment in Spain or the United Kingdom. In addition, the enforcement in Spain or the United Kingdom of any judgment obtained in a U.S. court based on civil liabilities, whether or not predicated solely upon U.S. federal securities laws, will be subject to certain conditions. There is also doubt that a court in Spain or the United Kingdom would have the requisite power or authority to grant remedies in an original action brought in Spain or the United Kingdom on the basis of U.S. federal securities laws violations.

Risks Related to Tax Matters

The application of Section 7874 of the Code, including under IRS guidance, and changes in law could affect our status as a foreign corporation for U.S. federal income tax purposes.

We believe that, under current law, we should be treated as a foreign corporation for U.S. federal income tax purposes. However, the U.S. Internal Revenue Service (the "IRS") may assert that we should be treated as a U.S. corporation for U.S. federal income tax purposes pursuant to Section 7874 of the Internal Revenue Code of 1986, as amended (the "Code"). Under Section 7874 of the Code, we would be treated as a U.S. corporation for U.S. federal income tax purposes if, after the Business Combination, (i) at least 80% of our ordinary shares (by vote or value) were considered to be held by former holders of common stock of Globe by reason of holding such common stock, as calculated for Section 7874 purposes, and (ii) our expanded affiliated group did not have substantial business activities in the United Kingdom (the "80% Test"). The percentage (by vote and value) of our ordinary shares considered to be held by former holders of common stock of Globe immediately after the Business Combination by reason of their holding common stock of Globe is referred to in this disclosure as the "Section 7874 Percentage."

Determining the Section 7874 Percentage is complex and, with respect to the Business Combination, subject to legal uncertainties. In that regard, the IRS and U.S. Department of the Treasury ("U.S. Treasury") issued temporary Regulations in April 2016 and finalized Regulations in July 2018 (collectively, the "Section 7874 Regulations"), which include a rule that applies to certain transactions in which the Section 7874 Percentage is at least 60% and the parent company is organized in a jurisdiction different from that of the foreign target corporation (the "Third Country Rule"). This rule applies to transactions occurring on or after November 19, 2015, which date is prior to the closing of the Business Combination. If the Third Country Rule were to apply to the Business Combination, the 80% Test would be deemed met and we would be treated as a U.S. corporation for U.S. federal income tax purposes. While we believe the Section 7874 Percentage is less than 60% such that the Third Country Rule does not apply to us, we cannot assure you that the IRS will agree with this position and would not successfully challenge our status as a foreign corporation, significant adverse tax consequences would result for us and could apply to our shareholders.

In addition, changes to Section 7874 of the Code, the U.S. Treasury Regulations promulgated thereunder, or to other relevant tax laws (including under applicable tax treaties) could adversely affect our status or treatment as a foreign corporation, and the tax consequences to our affiliates, for U.S. federal income tax purposes, and any such changes could have prospective or retroactive application. Recent legislative proposals have aimed to expand the scope of U.S. corporate tax residence, including by potentially causing us to be treated as a U.S. corporation if the management and control of us and our affiliates were determined to be located primarily in the United States, or by reducing the Section 7874 Percentage at or above which we would be treated as a U.S. corporation such that it would be lower than the threshold imposed under the 80% Test.

IRS guidance and changes in law could affect our ability to engage in certain acquisition strategies and certain internal restructurings.

Even if we are treated as a foreign corporation for U.S. federal income tax purposes, the Section 7874 Regulations materially changed the manner in which the Section 7874 Percentage will be calculated in certain future acquisitions

of U.S. businesses in exchange for our equity, which may affect the tax efficiencies that otherwise might be achieved in transactions with third parties. For example, the Section 7874 Regulations would impact certain acquisitions of U.S. companies for our Ordinary Shares (or other stock) in the 36-month period beginning December 23, 2015, by excluding from the Section 7874 Percentage the portion of Ordinary Shares that are allocable to former holders of common stock of Globe. This rule would generally have the effect of increasing the otherwise applicable Section 7874 Percentage with respect to our future acquisition of a U.S. business. The Section 7874 Regulations also may more generally limit the ability to restructure the non-U.S. members of our Company to achieve tax efficiencies, unless an exception applies. However, no such acquisition of a U.S. business was made during the 36 months period.

IRS proposed regulations and changes in laws or treaties could affect the expected financial synergies of the Business Combination.

The IRS and the U.S. Treasury also issued rules that provide that certain intercompany debt instruments issued on or after April 5, 2016, will be treated as equity for U.S. federal income tax purposes, therefore limiting U.S. tax benefits and resulting in possible U.S. withholding taxes. As a result of these rules, we may not be able to realize a portion of the financial synergies that were anticipated in connection with the Business Combination, and such rules may materially affect our future effective tax rate. While these new rules are not retroactive, they could impact our ability to engage in future restructurings if such transactions cause an existing debt instrument to be treated as reissued. Furthermore, under certain circumstances, recent treaty proposals by the U.S. Treasury, if ultimately adopted by the United States and relevant foreign jurisdictions, could reduce the potential tax benefits for us and our affiliates by imposing U.S. withholding taxes on certain payments from our U.S. affiliates to related and unrelated foreign persons.

We are subject to tax laws of numerous jurisdictions and our interpretation of those laws is subject to challenge by the relevant governmental authorities.

We and our subsidiaries are subject to tax laws and regulations in the United Kingdom, the United States, France, Spain, South Africa and the other jurisdictions in which we operate. These laws and regulations are inherently complex, and we and our subsidiaries are (and have been) obligated to make judgments and interpretations about the application of these laws and regulations to us and our subsidiaries and their operations and businesses. The interpretation and application of these laws and regulations could be challenged by the relevant governmental authority, which could result in administrative or judicial procedures, actions or sanctions, which could materially affect our effective tax rate.

We intend to operate so as to be treated exclusively as a resident of the United Kingdom for tax purposes, but the relevant tax authorities may treat us as also being a resident of another jurisdiction for tax purposes.

We are a company incorporated in the United Kingdom. Current U.K. tax law provides that we will be regarded as being a U.K. resident for tax purposes from incorporation and shall remain so unless (i) we were concurrently resident of another jurisdiction (applying the tax residence rules of that jurisdiction) that has a double tax treaty with the United Kingdom and (ii) there is a tiebreaker provision in that tax treaty which allocates exclusive residence to that other jurisdiction.

Based upon our management and organizational structure, we believe that we should be regarded solely as resident in the United Kingdom from our incorporation for tax purposes. However, because this analysis is highly factual and may depend on changes in our management and organizational structure, there can be no assurance regarding the final determination of our tax residence. Should we be treated as resident in a country or jurisdiction other than the United Kingdom, we could be subject to taxation in that country or jurisdiction on our worldwide income and may be required to comply with a number of material and formal tax obligations, including withholding tax and reporting obligations provided under the relevant tax law, which could result in additional costs and expenses and an increase of our effective tax rate.

We may not qualify for benefits under the tax treaties entered into between the United Kingdom and other countries.

We intend to operate in a manner such that, when relevant, we are eligible for benefits under tax treaties entered into between the United Kingdom and other countries. However, our ability to qualify and continue to qualify for such benefits will depend upon the requirements contained within each treaty and the applicable domestic laws, as the case may be, on the facts and circumstances surrounding our operations and management, and on the relevant interpretation of the tax authorities and courts.

Our or our subsidiaries' failure to qualify for benefits under the tax treaties could result in adverse tax consequences to us and our subsidiaries and could result in certain tax consequences of owning or disposing of our ordinary shares differing from those discussed below.

Future changes to domestic or international tax laws or to the interpretation of these laws by the governmental authorities could adversely affect us and our subsidiaries.

The U.S. Congress, the U.K. Government, the European Union and the Organization for Economic Co-operation and Development and other government agencies in jurisdictions where we and our affiliates do business have had an extended focus on issues related to the taxation of multinational corporations. One example is in the area of "base erosion and profit shifting" (or "BEPS"), in which payments are made between affiliates from a jurisdiction with high tax rates to a jurisdiction with lower tax rates. Thus, the tax laws in the United States, the United Kingdom, the European Union or other countries in which we and our affiliates do business are changing and any such changes could adversely affect us, mostly those related to interest limitation rules. Furthermore, the interpretation and application of domestic or international tax laws made by us and our subsidiaries could differ from that of the relevant governmental authority, which could result in administrative or judicial procedures, actions or sanctions, which could be material. On July 1, 2018, OECD's so-called "Multi-Lateral Instrument" entered into force covering 87 jurisdictions and impacting over 1,200 double tax treaties. The adoption and transposition into domestic legislations of the Anti-Tax Avoidance Directives (known as "ATAD 1 and 2") by the European Union is another key development that is impacting us, mostly when it comes to interest deduction limitation. On December 2021, the European Commission published a proposal for a Directive "laying down rules to prevent the misuse of shell entities for improper tax purposes and amending Directive 2011/16/EU." This Directive is also referred to as the ATAD 3 Directive. The implementation of this directive could affect us.

Further developments are to be seen in areas such as the "making tax digital - initiatives" allowing authorities to monitor multinationals' tax position on a more real time basis and the contemplated introduction of new taxes, such as revenue-based digital services taxes aimed at technology companies, but which may impact traditional businesses as well in the sense of allocating a portion of the profitability of the given company to jurisdictions where it has significant sales even though it is not physically present. The latest developments by the OECD in this field are the so-called Pillar One and Pillar Two rules. Under Pillar One, the OECD intends to set up the foundations for allocating to the market jurisdiction (i) non-routine profit; (ii) a fixed remuneration based on the Arm's length Principle for baseline distribution and marketing functions; and (iii) an additional profit where in-country functions exceed the base-line activity already compensated. In principle, our business is not in scope of this measure as it refers to raw materials and commodities and this kind of business is excluded under the current drafting of the paper. Additionally, the measure would apply to multinational entities with revenues exceeding EUR20 billion and a profitability greater than 10%, which would exclude our company from its application. Then, Pillar Two rules, also called the GloBE (Global Anti-Base Erosion proposal) rules consist of setting a minimum rate of taxation, giving the countries the right to apply a "top up" tax where jurisdictional profit is taxed at a rate below the minimum 15% rate. This top up tax is to be collected through several avenues: (i) domestic minimum taxes in local jurisdictions; (ii) the income inclusion rule, charging top up tax in the ultimate parent jurisdiction (or in some cases, in the jurisdiction of an intermediary holding company); (iii) an undertaxed profit rule charging tup up tax on profits which are not within the scope of any territory's income inclusion or domestic minimum tax rules; (iv) switch over rule in the double tax treaties to allow the jurisdiction of residence to switch from exemption to credit method when the profit of a permanent establishment is taxed below the minimum rate; and (v) a subject to tax rule to allow withholding tax or other taxation or adjust eligibility to treaty benefits on payments not subject to the minimum rate. On December 22, 2022, the EU approved the Minimum Tax Directive (Pillar Two). The Directive requires Member States to transpose the rules into domestic law by 31 December 2023. The main rule of the Directive (so called Income Inclusion Rule or IIR) became effective on 31 December 2023 with the backstop rule (so called Undertaxed Profits Rule or UTPR) becoming effective on or after 31 December 2024. The Directive provides the option for Member States to implement a qualified domestic top-up tax (QDMTT) that operates to increase the domestic tax liability of in-scope MNE groups within a jurisdiction to the minimum effective tax rate of 15% of profits. Spain and France have enacted legislation implementing this Directive. On 20 June 2023, Finance (No.2) Act 2023 was substantively enacted in the UK, introducing a global minimum effective tax rate of 15% in application of the GloBE rules from the OECD. The legislation implements a domestic top-up tax and a multinational top-up tax, effective for accounting periods starting on or after 31 December 2023. There are transitional safe harbours which can apply in certain circumstances which can remove the requirement to do the full detailed calculations for the first 3 years after the effective date.

Based on the UK transitional safe harbour analysis we have performed using our 2022 financial statements and the Country-by-Country Reporting data, according to UK legislation, the Group anticipates that it is not probable that Pillar Two will have a material impact on the group going forward. We are aware that there are several jurisdictions that have substantively enacted a qualifying domestic minimum top up tax that may also include safe harbour rules that may apply differently to the UK legislation. These have not been assessed but will be assessed and monitored by the company on a go forward basis.

We may become subject to income or other taxes in jurisdictions which would adversely affect our financial results.

We and our subsidiaries are subject to the income tax laws of the United Kingdom, the United States, France, Spain, South Africa and the other jurisdictions in which we operate. Our effective tax rate in any period is impacted by the source and the amount of earnings among our different tax jurisdictions. A change in the division of our earnings among our tax jurisdictions could have a material impact on our effective tax rate and our financial results. In addition, we or our subsidiaries may be subject to additional income or other taxes in these and other jurisdictions by reason of the management and control of our subsidiaries, our activities and operations, where our production facilities are located or changes in tax laws, regulations or accounting principles. Changes in tax treaties, the introduction of new legislation, updates to existing legislation, or changes to regulatory interpretations of existing legislation as a result of these or similar proposals could impose additional taxes on businesses and increase the complexity, burden and cost of tax compliance in countries where we operate.

Although we have adopted guidelines and operating procedures to ensure our subsidiaries are appropriately managed and controlled, we may be subject to such taxes in the future and such taxes may be substantial. The imposition of such taxes could have a material adverse effect on our financial results.

We may incur current tax liabilities in our primary operating jurisdictions in the future.

We expect to make current tax payments in some of the jurisdictions where we do business in the normal course of our operations. Our ability to defer the payment of some level of income taxes to future periods is dependent upon the continued benefit of accelerated tax depreciation on our plant and equipment in some jurisdictions, the continued deductibility of external and intercompany financing arrangements, the application of tax losses prior to their expiration in certain tax jurisdictions and the application of tax credits including R&D credits, among other factors. The level of current tax payments we make in any of our primary operating jurisdictions could adversely affect our cash flows and have a material adverse effect on our financial results.

Changes in tax laws may result in additional taxes for us.

We cannot assure you that tax laws in the jurisdictions in which we reside or in which we conduct activities or operations will not be changed in the future. Such changes in tax law could result in additional taxes for us. As mentioned above, changes in tax treaties, the introduction of new legislation, updates to existing legislation, or changes to regulatory interpretations of existing legislation as a result of future tax law changes could impose additional taxes on businesses and increase the complexity, burden and cost of tax compliance in countries where we operate.

U.S. federal income tax reform could adversely affect us.

Legislation commonly known as the Tax Cuts and Jobs Act (the "TCJA") was enacted on December 22, 2017 in the United States. The TCJA made significant changes to the U.S. federal tax code, including a reduction in the U.S. federal corporate statutory tax rate from 35% to 21% as well as the introduction of a base erosion minimum tax (BEAT). The TCJA also made changes to the U.S. federal taxation of foreign earnings and to the timing of recognition of certain revenue and expenses and the deductibility of certain business expenses. We examined the impact the TCJA may have on our business in detail since enactment. Although further guidance continues to be released by the IRS, so far we have concluded that tax reform should not have a material adverse impact on the taxation of our U.S. business, as of December 31, 2023. This Annual Report does not discuss in detail the TCJA or the manner in which it might affect us or our stockholders. We urge you to consult with your own legal and tax advisors with respect to the Tax Reform Act and the potential tax consequences of investing in our shares.

Our transfer pricing policies are open to challenge from taxation authorities internationally.

Tax authorities have become increasingly focused on transfer pricing in recent years. Due to our international operations and an increasing number of inter-company cross-border transactions, we are open to challenge from tax authorities with regards to the pricing of such transactions. A successful challenge by tax authorities may lead to a reallocation of taxable income to a different tax jurisdiction and may potentially lead to an increase of our effective tax rate.

ITEM 4. INFORMATION ON THE COMPANY

A. History and Development of the Company

Ferroglobe PLC

Ferroglobe PLC, initially named VeloNewco Limited, was incorporated under the U.K. Companies Act 2006 as a private limited liability company in the United Kingdom on February 5, 2015. The Company was a wholly-owned subsidiary of Grupo VM. On October 16, 2015, VeloNewco Limited re-registered as a public limited company. As a result of the Business Combination, which was completed on December 23, 2015, FerroAtlántica and Globe merged through corporate transactions to create Ferroglobe PLC, one of the largest producers worldwide of silicon metal and silicon and manganese-based alloys. To effect the Business Combination, Ferroglobe acquired from Grupo VM all of the issued and outstanding ordinary shares, par value €1,000 per share, of Grupo FerroAtlántica, SAU in exchange for 98,078,161 newly issued Class Ordinary Shares, nominal value \$7.50 per share, of Ferroglobe, after which FerroAtlántica became a wholly-owned subsidiary of Ferroglobe, merged with and into Globe Specialty Metals, Inc., and each outstanding share of common stock, par value \$0.0001 per share, was converted into the right to receive one newly-issued ordinary share, nominal value \$7.50 per share, of Ferroglobe. After these steps, Ferroglobe issued, in total, 171,838,153 shares, out of which 98,078,161 shares were issued to Grupo VM and 73,759,992 were issued to the former Globe shareholders. Our ordinary shares are currently traded on the Nasdaq under the symbol "GSM."

On June 22, 2016, we completed a reduction of our share capital, as a result of which the nominal value of each share was reduced from \$7.50 to \$0.01, with the amount of the capital reduction being credited to distributable reserves

On August 21, 2018, we announced a share repurchase program, which provided authorization to purchase up to \$20,000 thousand of our ordinary shares in the period ending December 31, 2018. On November 7, 2018, we completed the repurchase program, resulting in the acquisition of a total of 2,894,049 ordinary shares for total consideration of \$20,100 thousand, including applicable stamp duty. The average price paid per share was \$6.89. The share repurchase program resulted in 1,152,958 ordinary shares purchased and cancelled and 1,741,091 ordinary shares purchased into treasury, all of which remained held in treasury at December 31, 2018. See "Item 16.E.— Purchases of Equity Securities by the Issuer and Affiliated Purchasers."

On July 29, 2021, upon the closing of the Refinancing, the company issued 8,918,618 new ordinary shares to Rubric Capital Management LP on behalf of certain managed or sub-managed funds and accounts and Grupo Villar Mir, S.A.U for a total issued share capital of \$40,000 thousand, 1,900,000 shares as a work fee and 7,013,872 shares to bondholder's related to the financing transactions.

On October 6, 2021, the Company entered into an equity distribution agreement (the "Equity Distribution Agreement") with B. Riley Securities, Inc. and Cantor Fitzgerald & Co. relating to the ordinary shares of Ferroglobe PLC. The Company may offer and sell ordinary shares having an aggregate offering price of up to \$100,000,000 from time to time through B. Riley Securities, Inc. and Cantor Fitzgerald & Co. as our sales agents. In 2021 the Company sold 186,053 ordinary shares under the Equity Distribution Agreement, for net proceeds of \$1,400 thousand. The Company has not sold any other securities under this agreement. Effectiveness of the related registration statement, and ability to sell additional ordinary shares under the Equity Distribution Agreement, expires on June 15, 2024.

During 2023, a small number of the ordinary shares held in treasury have been used to satisfy share awards made by the Company to its management team under the Ferroglobe PLC Equity Incentive Plan 2016. The number of ordinary shares held as treasury shares as of December 31, 2023 was 1,440,785. See Note 12 Equity to our consolidated financial statements.

Significant milestones in our history are as follows:

- 1996: acquisition of the Spanish company Hidro Nitro Española, S.A. ("Hidro Nitro Española"), operating in the ferroalloys and hydroelectric power businesses, and start of the quartz mining operations through the acquisition of Cuarzos Industriales S.A. from Portuguese cement manufacturer Cimpor;
- 1998: expansion of our manganese- and silicon-based alloy operations through the acquisition of 80% of the share capital of FerroAtlántica de Venezuela (currently FerroVen, S.A.) from the Government of Venezuela in a public auction;
- 2000: acquisition of 67% of the share capital of quartz mining company Rocas, Arcillas y Minerales, S.A. from Elkem, a Norwegian silicon metal and manganese- and silicon-based alloy producer;
- 2005: acquisition of Pechiney Electrométallurgie, S.A., now renamed FerroPem, S.A.S., a silicon metal and silicon-based alloys producer with operations in France, along with its affiliate Silicon Smelters (Pty) Ltd. in South Africa;
- 2005: acquisition of the metallurgical manufacturing plant in Alloy, West Virginia, and Alabama Sand and Gravel, Inc. in Billingsly, Alabama, both in the U.S.;
- 2006: acquisition of Globe Metallurgical Inc., the largest merchant manufacturer of silicon metal in North America and largest specialty ferroalloy manufacturer in the United States;
- 2006: acquisition of Stein Ferroaleaciones S.A., an Argentine producer of silicon-based specialty alloys, and its Polish affiliate, Ultracore Polska;
- 2007: creation of Grupo FerroAtlántica, S.A.U., the holding company of our FerroAtlántica Group;
- 2007: acquisition of Camargo Correa Metais S.A., a major Brazilian silicon metal manufacturer;
- 2008: acquisition of Rand Carbide PLC, a ferrosilicon plant in South Africa, from South African mining and steel company Evraz Highveld Steel and Vanadium Limited, and creation of Silicio FerroSolar, S.L., which conducts research and development activities in the solar grade silicon sector;
- 2008: acquisition of 81% of Solsil, Inc., a producer of high-purity silicon for use in photovoltaic solar cells;
- 2008: acquisition of a majority stake in Ningxia Yonvey Coal Industry Co., Ltd., a producer of carbon electrodes (the remaining stake subsequently purchased in 2012);
- 2009: creation of French company Photosil Industries, S.A.S., which conducts research and development activities in the solar grade silicon sector;
- 2009: sale of interest in Camargo Correa Metais S.A. in Brazil to Dow Corning Corporation and formation of a partnership with Dow Corning at the Alloy, West Virginia facility;
- 2010: acquisition of Core Metals Group LLC, one of North America's largest and most efficient producers and marketers of high-purity ferrosilicon and other specialty metals;
- 2010: acquisition of Chinese silicon metal producer Mangshi Sinice Silicon Industry Company Limited;
- 2011: acquisition of Alden Resources LLC, North America's leading miner, processor and supplier of specialty metallurgical coal to the silicon and silicon-based alloy industries;
- 2012: acquisition of SamQuarz (Pty) Ltd, a South African producer of silica, with quartz mining operations;
- 2012: acquisition of a majority stake (51%) in Bécancour Silicon, Inc., a silicon metal producer in Canada, operated as a partnership with Dow Corning as the holder of the minority stake of 49%;
- 2014: acquisition of Silicon Technology (Pty) Ltd. ("Siltech"), a ferrosilicon producer in South Africa;

- 2015: Business Combination of Globe and FerroAtlantica as wholly-owned subsidiaries of Ferroglobe PLC
- 2018: acquisition from a subsidiary of Glencore PLC of a 100% interest in manganese alloys plants in Mo i Rana, Norway and Dunkirk, France, through newly-formed subsidiaries Ferroglobe Mangan Norge AS and Ferroglobe Manganèse France, SAS;
- 2018: sale of the majority interest in Hidro Nitro Española to an entity sponsored by a Spanish renewable energies fund;
- 2019: sale of 100% interest in FerroAtlántica, S.A.U. ("FAU"), to investment vehicles affiliated with TPG Sixth Street Partners;
- 2019: sale of 100% interest in Ultra Core Polska, z.o.o, to Cedie, S.A;
- 2021: Sale of Niagara Falls silicon metal facility;
- 2023: Sale of Chateau Feuillet silicon-alloy facility.

Corporate and Other Information

Our registered office is located at 5 Fleet Place, London EC4M 7RD, our Board of Directors is based at our London Office at 13 Chesterfield Street, London W1J 5JN, United Kingdom and our management is based in London and also at Torre Emperador Castellana, Paseo de la Castellana, 259-D, P49, 28046 Madrid, Spain. The telephone number of our Spanish Office is +34 915 903 219. Our Internet address is https://www.ferroglobe.com. The information on our website is not a part of this document. The SEC maintains an Internet site that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC at https://www.sec.gov.

Corporate Developments and Capital Expenditures

For a further description of important corporate developments since January 1, 2021, see "Item 18. Financial Statements." For information regarding the Company's material commitments for capital expenditures, see "Item 4.B.—Information on the Company—Business Overview."

B. Business Overview

Through its operating subsidiaries, Ferroglobe is one of the world's largest producers of silicon metal, silicon-based alloys and manganese-based alloys. Additionally, Ferroglobe currently has (i) quartz mining activities in Spain, the United States, Canada, and South Africa, (ii) low-ash metallurgical quality coal mining activities in the United States, and (iii) interests in hydroelectric power in France. Ferroglobe controls a meaningful portion of most of its raw materials and captures, recycles and sells most of the by-products generated in its production processes.

We sell our products to a diverse base of customers worldwide, in a varied range of industries. These industries include aluminum, silicone compounds used in the chemical industry, ductile iron, automotive parts, renewable energy, photovoltaic (solar) cells, electronic semiconductors, electric vehicle batteries and steel, all of which are key elements in the manufacturing of a wide range of industrial and consumer products.

We are able to supply our customers with the broadest range of specialty metals and alloys in the industry from our production centers in North America, Europe, South America, Africa and Asia. Our broad manufacturing platform and flexible capabilities allow us to optimize production and focus on high value-added products most likely to enhance profitability, including the production of customized solutions and high purity metals to meet specific customer requirements. We also benefit from low operating costs, resulting from our ownership of sources of critical raw materials and the flexibility derived from our ability to alternate production at certain of our furnaces between silicon metal and silicon-based alloy products.

Industry and Market Data

The statements and other information contained below regarding Ferroglobe's competitive position and market share are based on the reports periodically published by leading metals industry consultants and leading metals industry publications and information centers, as well as on the estimates of Ferroglobe's management.

Ferroglobe's Competitive Strengths and Strategy

Competitive Strengths

Leading market positions in silicon metal, silicon-based alloys and manganese-based alloys

We are a leading global producer in our core products based on merchant production capacity and maintain the leading market share in certain of our products. The Company has global production capacity for silicon metal of approximately 328,000 metric tons (including 51% of our attributable partnership capacity). We have 66% of the production capacity market share in North America and approximately 25% of the global market share (all of the world excluding China), according to management estimates for our industry. In the case of manganese-based alloys, following the acquisition of the Dunkirk, France and Mo i Rana, Norway plants in 2018, our market share is approximately 15% in Europe. We are among the three largest global producers of manganese alloys excluding those located in China.

Our scale and global presence across five continents allows us to offer a wide range of products to serve a variety of end-markets, including those which we consider to be dynamic, such as the solar, automotive, consumer electronic products, semiconductors, electric vehicle batteries, construction and energy industries. As a result of our market leadership and breadth of products, we possess critical insight into market demand allowing for more efficient use of our resources and operating capacity. Our ability to supply source critical, high-quality raw materials from within our Company group promotes operational and financial stability and reduces the need for us to compete with our competitors for supply. We believe our vertical integration also provides a competitive advantage, allowing us to deliver an enhanced product offering with consistent quality on a cost-efficient basis to our customers.

Global production footprint and reach

Our diversified production base consists of production facilities across North America, Europe, South America, South Africa and Asia. We have the capability to produce our core products at multiple facilities, providing a competitive advantage when reacting to changing global demand trends and customer requirements. Furthermore, this broad base ensures reliability to our customers who value timely delivery and consistent product quality. Our diverse production base also enables us to optimize our production plans and shift production to the lowest cost facilities. Most of our production facilities are located close to sources of principal raw materials, key customers or major transport hubs to facilitate delivery of raw materials and distribution of finished products. This enables us to service our customers globally, while optimizing our working capital, as well as enabling our customers to optimize their inventory levels.

Diverse base of high-quality customers across growing industries

We sell our products to customers in more than 40 countries, with our largest customer concentration in North America and in Europe. Our products are used in end products spanning a broad range of industries, including solar, personal care and healthcare products, automobile parts, carbon and stainless steel, water pipe, solar, semiconductor, electric vehicle batteries, oil and gas, infrastructure and construction. Although some of these end-markets have growth drivers similar to our own, others are less correlated and offer the benefits of diversification, especially in the areas with secular growth, such solar and EV battery markets. This diversity of products, customers and end-markets provides stability to our business.

Many of our customers, we believe, are leaders in their end-markets and fields. We have built long-lasting relationships with customers based on the breadth and quality of our product offerings and our ability to produce products that meet specific customer requirements. For the years ended December 31, 2023, 2022 and 2021, Ferroglobe's ten largest customers accounted for 50.5%, 50.1% and 48.1% of our consolidated sales, respectively. Our customer relationships provide us with stability and visibility into our future volumes and earnings, though we are not reliant on any individual customer or end-market. Our customer relationships, together with our diversified product portfolio, provide us with

opportunities to cross sell new products; for example, by offering silicon-based or manganese-based alloys to existing steelmaking customers.

Flexible and low-cost structure

We believe we have an efficient cost structure, enhanced over time by vertical integration through strategic acquisitions. The largest components of our cost base are raw materials and power. Our relatively low operating costs are primarily a result of our ownership of, and proximity to, sources of raw materials, our access to attractively priced power supplies and skilled labor and our efficient production processes.

We believe our vertically integrated business model and ownership of sources of raw materials provides us with a cost advantage over our competitors. Moreover, such ownership and the fact that we are not reliant on any single supplier for the remainder of our raw material needs generally ensures stable, long term supply of raw materials for our production processes, thereby enhancing operational and financial stability. Transportation costs can be significant in our business; our proximity to sources of raw materials and customers improves logistics and represents another cost advantage. The proximity of our facilities to our customers also enhances our delivery times.

We capture, recycle and sell most of the by-products generated in our production processes, which further reduces our costs.

We operate with a largely variable cost of production and our diversified production base allows us to shift our production and distribution between facilities and products in response to changes in market conditions over time. Additionally, the diversity of our currency and commodity exposures provides, to a degree, a natural hedge against foreign exchange and raw materials pricing volatility. Our production costs are mostly dependent on local factors while our product prices are influenced more by global factors. Depreciation of local, functional currencies relative to the USD, when it occurs, reduces the costs of our operations, offering an increased competitive edge in the international market.

We believe our scale, flexibility and global presence enables us to sustain our operations throughout periods of economic downturn, volatile commodity prices and demand fluctuations.

Stable supply of critical, high quality raw materials

In order to ensure reliable supplies of high-quality raw materials for the production of our metallurgical products, we have invested in strategic acquisitions of sources that supply a meaningful portion of the inputs our manufacturing operations consume. Specifically, we own and operate specialty, low ash, metallurgical quality coal mines in the United States, high purity quartz quarries in the United States, Spain and South Africa, charcoal production units in South Africa, and our Yonvey production facility for carbon electrodes in Ningxia, China. For raw materials needs our subsidiaries cannot meet, we have multiple qualified suppliers in each operating region for each raw material, ensuring reliable access to high quality raw materials.

Efficient and environmentally friendly by-product usage

We utilize or sell most of the by-products of our manufacturing process, which reduces cost and the environmental impact of our operations. We have developed markets for the by-products generated by our production processes and have transformed our manufacturing operations so that little solid waste disposal is required. By-products not recycled in the manufacturing process are generally sold to companies, which process them for use in a variety of other applications. These materials include: silica fume (also known as microsilica), used as a concrete additive, refractory material and oil well conditioner; fines - the fine material resulting from crushing lumps; and dross, which results from the purification process during smelting.

Pioneer in innovation with focus on technological advances and development of next generation products

Our talented workforce has historically developed proprietary technological capabilities and next generation products in-house, which we believe give us a competitive advantage. In addition to a dedicated R&D division, we have

cooperation agreements in place with various universities and research institutes in Spain, France and other countries around the world. Our R&D achievements include:

- ELSA electrode Ferroglobe has internally developed a patented technology for electrodes used in silicon metal furnaces, which it has been able to sell to several major silicon producers globally. This technology, known as the ELSA electrode, improves the energy efficiency in the production process of silicon metal and eliminates contamination from iron. Ferroglobe has granted these producers the right to use the ELSA electrode against payment to Ferroglobe of royalties. Continuous improvements are made to keep this invention state of the art.
- High purity Silicon Ferroglobe has sought to produce solar grade silicon metal with a purity above 99.9999% through a new, potentially cost effective, electrometallurgical process. Due to the market environment for solar grade silicon (or polysilicon) worldwide, at the end of 2018 the Company suspended the investment in the project while preserving the technology and know-how in order to rationalize it and adapt it towards the industrial production of high purity silicon (99.9-99.99%Si). High purity silicon demand is increasing thanks to niche markets in advanced applications and Li-ion batteries.
- Silicon for Advanced Technologies Ferroglobe has launched the Silicon for Advanced Technologies project, which aims at producing silicon-based, tailor-made products for high end applications. In this project we leveraged the purification technologies developed for the Solar Grade silicon project and which are patented. These technologies are industrial, cost effective and with low carbon footprint. Concurrently, new know-how linked to specific milling technologies has been developed in the last years. Combined, these capabilities place Ferroglobe in position to potentially succeed in this new market. Among the various targeted applications, a specific project of Silicon for Li-ion batteries was launched. Currently, we have the first demonstration milling unit in our Innovation Centre in Sabón (Spain) and we have several industrial purification units in Montricher (France) and Puertollano (Spain).
- Li-ion batteries The capacity of the anode in Li-ion batteries can be enhanced by adding silicon. This is a particularly attractive market because silicon can increase capacity of the Li-ion batteries and reduce costs, lower carbon footprint, accelerate charging times and improve performance in very cold conditions. All these benefits will help to develop new mobility solutions. In this specific field, Ferroglobe has established several technical partnerships and collaborations in order to expedite the research and development required for competitive success.

In addition to the above, the Ferroglobe Innovation team continues to research new, innovative projects to create the next generation of batteries

Experienced management team in the metals and mining industry

We have an experienced management team with extensive knowledge of the global metals, mining and materials industry and a proven track record of developing and managing large-scale operations. Our management team is committed to responding quickly and effectively to macroeconomic and industry developments, to identifying and delivering growth opportunities and to improving our performance via continuous focus on operational cost control and a disciplined, value-based approach to capital allocation. Our management team is complemented by a skilled operating team with solid technical knowledge of production processes and strong relationships with key customers.

Environmental, Social and Governance (ESG) Strategy

In 2022, we continued to develop our ESG Strategy 2022-2026, a roadmap that will enable us to benchmark and assess ourselves on ESG matters, in alignment with the demands of our stakeholders and our industry trends. The ESG Strategy brings us closer to our goal of becoming a relevant player in the development of a sustainable future.

Our strategy is defined by the following four key pillars:

- (i) Strengthening our governance framework;
- (ii) Promoting engagement with our people and local communities in which we operate;
- (iii) Reinforcing the role of sustainability through our value chain; and
- (iv) Improving our environmental footprint to enable materials which are vital for sustainable development.

We will continue to disclose our ESG progress annually in our revised Global ESG Reports. Our 2023 Global ESG Report will be published in 2024.

Business Strategy

In 2020, we conducted a deep and broad evaluation of our Company with the goal of designing a strategic plan focused on bolstering the long-term competitiveness of the business and returning the Company to profitability by fundamentally changing the way we operate, both operationally and financially. The multi-year turnaround plan we developed impacts all the functional areas of our Company as we seek to drive changes that ensure competitiveness throughout the cycle. Since 2021, the Company has successfully been delivering on its previously disclosed strategic EBITDA improvement projects, yielding positive EBITDA for each of the past three years ended December 31, 2023, 2022 and 2021. These consecutive positive results reflect the Company's turnaround and commitment to executing on its strategic plan, which is driven by the following key areas:

- Footprint optimization: One of the Company's core advantages is our large and diverse production platform. While our asset footprint provides flexibility, at times we are restricted in our ability to quickly adapt to changing market conditions due to inherent constraints in curtailing capacity, particularly for shorter durations. Prospectively, our goal is to ensure that the operating platform is more flexible and modular so shifts in production, based on needs and relative costs, are incorporated swiftly. Through this value creation driver we aim to shift our capacity footprint by optimizing production to the most competitive assets.
- Continuous plant efficiency: We will continue to build on the success of our existing key technical metrics (KTM) program, which consists of specific initiatives aimed at enhancing our process, minimizing waste, and improving the overall efficiency to drive down costs. The Company maintains a pipeline of initiatives developed through the sharing of best practices amongst our numerous sites and through new improvements identified by our research and development team. Moreover, we have implemented developing tools to track our key performance indicators in an ongoing effort to improve furnace level performance.
- Commercial excellence: We have implemented commercial best practices to maximize profitable revenue, aiming at improving and reinforcing our pricing, account management, salesforce effectiveness, and product portfolio and customer focus. We have strengthened our customer relationships by developing a target portfolio prioritization, re-designing our commercial coverage and operating model, and structuring our account planning, with the definition of clear objectives for each of our customers and a sustained focus on long-term partnership building. We have implemented a range of digitally-enabled tools and processes across the entire commercial function, bringing our team's performance to the next level. Through our new customer relationship management tool, we have reinforced our account management and front-line effectiveness, as well as our customer service and quality management. On pricing, we have redesigned our governance process and introduced new tools to maximize profitability and provide margin transparency for every sale. Furthermore, we have re-designed our product management function, empowering this role to create customer value and act as a consistent source of information and cross-functional coordination.
- Centralized procurement: Our centralized procurement process enhances the effectiveness of our spending efforts, improves our ability to schedule purchases and enables us to benefit from bulk purchases.
 Buying better is a supply-led effort that focuses on price and volume allocation, negotiating prices and terms, managing price risks, pooling volumes and contracts, shifting volumes to best-price suppliers and leveraging procurement networks. Spending better is an operation-led effort to control demand, enforce compliance, reduce complexity, and perform value engineering to foster efficient spending. In addition to cost reductions, our campaign to spend better will reduce supply chain risk, supporting continuous quality and service improvement, fostering better decision-making about suppliers and optimizing resource allocation.
- Other operating expenses reduction: During our corporate review, we identified significant opportunities for further cost improvement through permanent cost cutting at our plants, as well as the corporate centers. By tracking these costs vigorously and increasing accountability, we aim to bolster the overall cost structure at various levels. Through this, we aim to create a culture focused on cost control and discipline for deploying best practices to drive sound spending decisions without compromising our overall performance.

Working capital improvement: The Company continues to focus on and improve its net working capital by establishing targets and improving our Supply Chain processes. This will allow us to sustain competitive levels of working capital throughout the cycle.

With our strategic plan we aim to:

Maintain and leverage our industry leading position in core businesses and pursue long-term growth

We intend to maintain and leverage our position as a leading global producer of silicon metal and one of the leading global producers of ferroalloys based on production capacity. We believe we will achieve our goals through the execution of our current strategic plan, which focuses on optimizing our asset footprint in the regions that present attractive opportunities and focusing on continuous improvements to increase competitiveness of our assets. These efforts include continuing to secure competitive and clean sources of energy and extending our existing sources of Quartz, all while continuing our ESG journey.

We also plan to achieve organic growth by developing new products, such as silicon-based anodic materials for Li-ion batteries, to further diversify our portfolio and expand our customer base. We intend to focus our production and sales efforts on high-margin products and end-markets that we consider having the highest potential for profitability and growth. We will continue to capitalize on our global reach and the diversity of our production base to adapt to changes in market demands, shifting our production and distribution across facilities and between different products as necessary in order to remain competitive and maximize profitability. We aim to obtain further direct control of key raw materials to secure our long-term access to scarce reserves, which we believe will allow us to continue delivering enhanced products while maintaining our low-cost position. Additionally, we will continue regularly to review our customer contracts in an effort to improve their terms and to optimize the balance between selling under long-term agreements and retaining some exposure to spot markets. We intend to maintain pricing that appropriately reflects the value of our products and our level of customer service and, in light of commodity prices and demand fluctuations, may decide to change the weighting of our mix of contracts that are set at fixed prices versus index-based prices, to capitalize on market opportunities and to ensure a profit throughout the cycles.

Maintain low cost position while controlling inputs

We believe we have an efficient cost structure and, going forward, we will seek to further reduce costs and improve operational efficiency through a number of initiatives. We plan to focus on controlling the cost of our raw materials through our captive sources and long-term supply contracts and on lowering our fixed costs in order to reduce the unit costs of our silicon metal and ferroalloy production. We aim to improve our internal processes and further integrate our global footprint, such as benefits from value chain optimization, including enhancements in raw materials procurement and materials management; adoption of best practices and technical and operational know-how across our platform; reduced freight costs from improved logistics as well as savings through the standardization of monitoring and reporting procedures, technology, systems and controls. We intend to enhance our production process through R&D and targeted capital expenditure and leverage our geographic footprint to shift production to the most cost effective and appropriate facilities and regions for such products. We will continue to regularly review our power supply contracts with a view towards improving their terms and introducing more competitive tariff structures. In addition, we will seek to maximize the value derived from the utilization and sale of by-products generated in our production processes and continue to focus on innovation to develop next generation products.

We believe we differentiate ourselves from our competitors on the basis of our technical expertise and innovation, which allow us to deliver new high-quality products to meet our customers' needs. We intend to keep using these capabilities in the future to retain existing customers and cultivate new business. We plan to leverage the expertise of our dedicated team of specialists to advance and to develop next generation products and technologies that fuel organic growth. In particular, we intend to develop high value powders for high-end applications, including silicon-based anodic materials for Li-ion batteries. We also aim to continue the development of EV Battery Cathode high purity manganese-based precursors.

Maintain financial discipline to facilitate ongoing operations and support growth

We believe maintaining financial discipline will provide us with the ability to manage the volatility in our business resulting from changes in commodity prices and demand fluctuations. Our financing and liquidity strategy focuses on maintaining a strong and conservative financial position, with sufficient liquidity and financial flexibility to facilitate

all of our ongoing operations, support organic and strategic growth and finance prudent capital expenditure programs aimed at placing us in a better position to generate increased revenues and cash flows. We plan to become even more efficient in our working capital management through various initiatives aimed at optimizing inventory levels and accounts receivable. We also seek to repay indebtedness from free cash flow and retain low leverage for maximum free cash flow generation.

Pursue strategic opportunities

We have consistently and successfully acquired and integrated complementary businesses, and divested operations as part of our strategy execution. Our acquisitions have extended the vertical integration of our activities, allowing us to deliver an enhanced product offering on a cost-efficient basis. We regularly consider and evaluate strategic opportunities for our business and will continue to do so in the future with the objective of expanding our capabilities and leveraging our products and operations. In particular, we intend to pursue complementary acquisitions and other investments at appropriate valuations for the purpose of increasing our capacity, increasing our access to raw materials and other inputs, further refining existing products, broadening our product portfolio and entering new markets. We will consider such strategic opportunities in a disciplined fashion while maintaining a conservative leverage position and strong balance sheet.

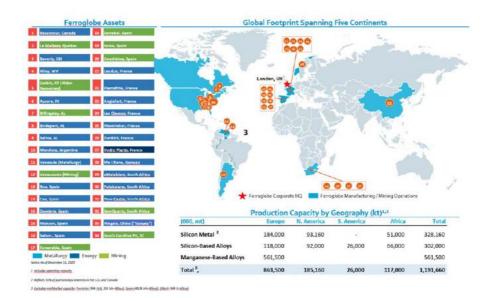
We will also seek to evaluate our core business strategy on an ongoing basis and may divest certain non-core and lower margin businesses to improve our financial and operational results.

Facilities and Production Capacity

As of December 31, 2023, the location of our assets and our production capacity, including 51% of the capacity of our partnerships (of which we own 51%), by geography, of silicon, silicon-based alloys and manganese-based alloys is detailed below in Figure 1. It is important to note that certain facilities may and do switch from time to time among different families of products (for instance, from silicon metal to silicon-based alloys and vice-versa) or among different products within the same family (for instance from ferromanganese to siliconanganese). Such switches change the production capacity at each plant.

Our production facilities are strategically located throughout the world. We operate quartz mines located in Spain, South Africa, Canada, and the United States, and charcoal production in South Africa. Additionally, we operate low-ash, metallurgical grade coal mines in the United States.

As of December 31, 2023, certain production facilities in the United States, Spain and Venezuela were partially or fully idled due to current market conditions, while certain production facilities in Europe were partially or fully idled to optimize energy and operating costs. Ferroglobe subsidiaries own a total of 18.9 megawatts of hydro production capacity in France.



For the years ended December 31, 2023, 2022 and 2021, the Company's consolidated sales, shipments in metric tons and average selling price by product were as follows:

(\$ thousands)	Year ended December 31,		
	2023	2022	2021
Silicon metal	722,226	1,116,193	637,695
Manganese-based alloys	259,197	525,483	469,138
Ferrosilicon	330,946	561,539	337,833
Other silicon-based alloys	159,441	192,409	161,750
Silica fume	33,804	32,290	32,409
Other	144,419	170,002	140,083
Total Sales	1,650,033	2,597,916	1,778,908
Shipments in metric tons:			
Silicon metal	194,385	209,342	253,991
Manganese-based alloys	227,243	295,589	314,439
Ferrosilicon	147,874	154,972	166,268
Other silicon-based alloys	43,557	49,105	76,498
Average Selling price (\$/MT):			
Silicon metal	3,715	5,332	2,511
Manganese-based alloys	1,141	1,778	1,492
Ferrosilicon	2,238	3,623	2,032
Other silicon-based alloys	3,661	3,918	2,114

Silicon metal

Ferroglobe is a leading global silicon metal producer with a total production capacity of approximately 384,000 tons (including our 51% share of Ferroglobe's partnership capacity). Ferroglobe's silicon metal production is spread across

facilities located in the United States, France, South Africa, Canada and Spain. For the years ended December 31, 2023, 2022 and 2021, Silicon metal sales accounted for 43.8%, 43.0% and 35.8% of Ferroglobe's total consolidated revenues, respectively.

Silicon metal is used by primary and secondary aluminum producers, who require silicon metal with specific properties to produce aluminum alloys. The addition of silicon metal during production helps to reduce shrinkage and the hot cracking tendencies of cast aluminum and improves the castability, hardness, corrosion resistance, tensile strength, wear resistance and weldability of the aluminum end products. Aluminum is used to manufacture a variety of automotive components, including engine pistons, housings, and cast aluminum wheels and trim, as well as high tension electrical wire, aircraft parts, beverage containers and other products which require aluminum properties. For the year ended December 31, 2023, sales to aluminum producers represented 30% of silicon metal revenues (29% for the year ended December 31, 2022, and 45% for the year ended December 31, 2021).

Silicon metal is also used by several major silicone chemical producers across a broad range of applications, including personal care items, construction-related products, healthcare and electronics. In construction and equipment applications, silicone chemicals promote adhesion, act as a sealer and provide insulating properties. In personal care and health care products, silicone chemicals add a smooth texture that protects against ultraviolet rays and provide moisturizing and cleansing properties. Silicon metal is an essential component in the production of silicone chemicals, accounting for 20% of the cost of production. For the year ended December 31, 2023 sales to chemical producers represented 47% of silicon metal revenues (66% for the year ended December 31, 2022, and 43% for the year ended December 31, 2021).

In addition, silicon metal is the primary ingredient in the production of polysilicon, which is most widely used to manufacture solar cells and semiconductors. Producers of polysilicon employ processes to further purify silicon metal and grow ingots from which wafers are cut. These wafers are the base material to produce solar cells, which convert sunlight into electricity. Individual solar cells are soldered together to make solar modules. For the year ended December 31, 2023 sales to polysilicon producers represented 19% of silicon metal revenues (5% for the year ended December 31, 2022, and 10% for the year ended December 31, 2021).

Manganese-based alloys

Ferroglobe is among the leading global manganese-based alloys producers based on production capacity. As of December 31, 2023, Ferroglobe maintained approximately 289,500 tons of annual silicomanganese production capacity across our factories in Spain, Norway and France. During the years ended December 31, 2023, 2022 and 2021 Ferroglobe sold 227,423 tons, 295,590 tons and 314,439 tons of manganese-based alloys, respectively. For the years ended December 31, 2023, 2022 and 2021, Ferroglobe's revenues generated by manganese-based alloys sales accounted for 15.7%, 20.2% and 26.4% of Ferroglobe's total consolidated revenues, respectively. More than 90% of global manganese-based alloys production is used in steel production, and all steelmakers use manganese and manganese alloys in their production processes.

Silicomanganese is used as a deoxidizing agent in the steel manufacturing process. Silicomanganese is also produced in the form of refined silicomanganese, or silicomanganese AF, super-refined silicomanganese, and silicomanganese Low Carbon.

Ferromanganese is used as a deoxidizing, desulphurizing and degassing agent in steel to remove nitrogen and other harmful elements that are present in steel in the initial smelting process, and to improve the mechanical properties, hardenability and resistance to abrasion of steel. The three types of ferromanganese produced by Ferroglobe are:

- · high-carbon ferromanganese used to improve the durability of steel;
- · medium-carbon ferromanganese used to manufacture flat and other steel products; and
- low-carbon ferromanganese used in the production of stainless steel, low-carbon steel, rolled steel plates and pipes utilized by the oil industry,

Silicon-based alloys

Ferrosilicon

Ferroglobe is among the leading global ferrosilicon producers based on production output in recent years. During the year ended December 31, 2023, Ferroglobe sold 147,874 tons of ferrosilicon (147,725 tons during the year ended December 31, 2022, and 166,268 tons during the year ended December 31, 2021). For the years ended December 31, 2023, 2022 and 2021, Ferroglobe's revenues generated by ferrosilicon sales accounted for 20.1%, 21.6% and 19.0%, of Ferroglobe's total consolidated revenues, respectively.

Ferrosilicon is an alloy of iron and silicon (normally 75% silicon). Ferrosilicon products are used to produce stainless steel, carbon steel, and various other steel alloys and to manufacture electrodes and, to a lesser extent, in the production of aluminum. More than 95% of ferrosilicon produced is used in steel production (including stainless steel).

Ferrosilicon is generally used to remove oxygen from the steel and as alloying element to improve the quality and strength of iron and steel products. Silicon increases steel's strength and wear resistance, elasticity and scale resistance, and lowers the electrical conductivity and magnetostriction of steel.

Other silicon-based alloys

During the year ended December 31, 2023, Ferroglobe sold 43,557 tons of silicon-based alloys (excluding ferrosilicon) (56,630 tons during the year ended December 31, 2022, and 76,498 tons during the year ended December 31, 2021). For the years ended December 31, 2023, 2022 and 2021, Ferroglobe's revenues generated by silicon-based alloys (excluding ferrosilicon) accounted for 9.7%, 7.4% and 9.1% of Ferroglobe's total consolidated revenues, respectively.

Ferroglobe produces various different silicon-based alloys, including calcium silicon and foundry products, which comprise inoculants and nodularizers. Ferroglobe produces more than 20 specialized varieties of foundry products, several of which are custom made for its customers. Demand for these specialty metals is increasing and, as such, they are becoming more important components of Ferroglobe's product offering.

The primary use for calcium silicon is the deoxidation and desulfurization of liquid steel. In addition, calcium silicon is used to control the shape, size and distribution of oxide and sulfide inclusions, improving fluidity, ductility, and the transverse mechanical and impact properties of the final product. Calcium silicon is also used in the production of coatings for cast iron pipes, in the welding process of powder metal and in pyrotechnics.

The foundry products that Ferroglobe manufactures include nodularizers and inoculants, which are used in the production of iron to improve its tensile strength, ductility and impact properties, and to refine the homogeneity of the cast iron structure.

Silica fume

For the years ended December 31, 2023, 2022 and 2021, Ferroglobe's revenues generated by silica fume sales accounted for 2.0%, 1.2% and 1.8%, respectively of Ferroglobe's total consolidated sales.

Silica fume is a by-product of the electrometallurgical process of silicon metal and ferrosilicon. This dust-like material, collected through Ferroglobe factories' air filtration systems, is mainly used in the production of high-performance concrete and mortar. The controlled addition of silica fume to these products results in increased durability, improving their impermeability from external agents, such as water. These types of concrete and mortar are used in large-scale projects such as bridges, viaducts, ports, skyscrapers and offshore platforms.

Raw Materials, Logistics and Power Supply

The primary raw materials used by Ferroglobe are carbon reductants (primarily coal, but also charcoal, metallurgical and petroleum coke, anthracite and wood) as well as minerals (manganese ore and quartz). Other raw materials used include electrodes (consisting of graphite and carbon electrodes and electrode paste), slags and limestone, as well as certain specialty additive metals. Ferroglobe procures coal, manganese ore, quartz, petroleum and metallurgical coke, electrodes and most additive metals centrally under the responsibility of the corporate purchasing department. Some locally sourced raw materials are purchased at a decentralized level (country specific purchasers) by delegation from the corporate purchasing department.

Manganese ore

The global supply of manganese ore comprises standard to high-grade manganese ore, with a 35% to 56% manganese content, and low-grade manganese ore, with lower manganese content. Manganese ore production comes mainly from a limited number of countries including South Africa, Australia, China, Gabon, Brazil, Ukraine, India and Ghana. However, the production of high-grade manganese ore is concentrated in Australia, Gabon, South Africa and Brazil.

The majority of the manganese ore Ferroglobe purchased in 2023 and 2022 came from suppliers located in South Africa and Gabon. Global manganese ore prices are mainly driven by manganese demand from China and to a lower extent from India. Potential disruption of supply from South Africa, Australia, Brazil or Gabon due to logistical, labor or other reasons may have an impact on the availability and the pricing of manganese ore.

Coal

Coal is the major carbon reductant in silicon and silicon alloy production. Only washed and screened coal with ash content below 10% and with specific physical and chemical properties is used for production of silicon alloys. Colombia and the United States are the best sources for the required types of coal in the silicon alloys industry, and Ferroglobe is dependent on supply from these two countries.

The majority of externally purchased coal in 2023 and 2022 was sourced from a single mining site in Colombia, while the remainder originated primarily from the United States, and to a lesser extent from Kazakhstan and South Africa. Ferroglobe has a long-standing relationship with the coal washing plants which price coal using spot, quarterly, semi-annual or annual contracts, based on market outlook. European coal prices, which are denominated in USD, are mainly related to API 2, the benchmark price reference for coal imported into northwest Europe.

Ferroglobe also owns Ferroglobe USA Mining, LLC. (formerly Alden Resources LLC) in the United States. Ferroglobe USA Mining provides a stable and long-term supply of low ash metallurgical grade coal by fulfilling a substantial portion of our requirements to our North American operations.

See "-Mining Operations" below for further information

Ouartz.

Quartz, also known as quartzite, is a key raw material in the manufacture silicon metal and silicon-based alloys.

Ferroglobe has secured access to quartz from its quartz mines in Spain, South Africa, the United States and Canada (see "—Mining Operations"). For the year ended December 31, 2023 and 2022, more than 60% of Ferroglobe's total consumption of quartz was self-supplied. Ferroglobe also purchases quartz from third-party suppliers on the basis of annual contractual agreements. Ferroglobe's quartz suppliers typically have operations in the same countries where Ferroglobe factories are located, or in close proximity, which minimizes logistical costs.

Ferroglobe controls quartzite mining operations located in Alabama and a concession to mine quartzite in Saint-Urbain, Québec (operated by a third-party miner). These mines supply our North American operations with a substantial portion of their requirements for quartz. In 2023, Ferroglobe expanded its supply through the acquisition of a property in South Carolina, USA. We aim to commence mining activities in 2024.

Other raw materials

Wood is needed for the production of silicon metal and silicon-based alloys. It is used directly in furnaces as woodchips or cut to produce charcoal, which is the major source of carbon reductant for Ferroglobe's plants in South Africa, In South Africa, charcoal is a less expensive substitute for imported coal and provides desirable qualities to the silicon-based alloys it is used to produce. In the other countries where Ferroglobe operates, Ferroglobe purchases wood chips locally or logs for on-site wood chipping operations from a variety of suppliers.

In 2023, the sourcing of metallurgical coke was predominantly from Poland, China and Colombia

Petroleum coke, electrode related products, slag, limestone and additive metals are other relevant raw materials that Ferroglobe utilizes to manufacture its electrometallurgy products. Procurement of these raw materials is either managed centrally or with each country's raw materials procurement manager or plant manager and the materials purchased at spot prices or under contracts for one year or less.

In 2023, the sourcing of graphite electrodes came from European countries, India and China with a combination of spot and long-term agreements. Carbon electrodes supplies originated in Poland and China, including from Ferroglobe's own carbon electrode factory in Ningxia Province in China.

Logistics

Logistical operations are managed centrally. Sea-freight operations are centralized at corporate level, while rail logistic is managed at a country level. Road transportation is managed at plant level with centralized coordination in multi-site countries. Contractual commitments in respect of transportation and logistics match, to the extent possible, Ferroglobe's contracts for raw materials and customer contracts.

Power

In Spain, energy is purchased through a supply contract with trading companies. The final energy price is subject to daily market volatility. In 2023, while spot Spanish power prices declined significantly, they remained at levels impacting energy price competitiveness. In 2023, the Company maintained the low level of production that was initiated in the country starting in the second half of 2022. The Company produced on a limited capacity due to an extreme modulation practice at certain hours of the day. Ferroglobe has also progressed during the year in engaging discussions with energy companies to secure Purchasing Power Agreements ("PPAs") based on solar and wind generation. Two PPAs were signed in 2023 for a total volume of 130 GWh. See also "Major Shareholders and Related Party Transactions."

In France, Ferroglobe entities have their power needs covered by a three-year agreement ending in 2025. The Regulation enacted in 2015 enables French subsidiaries of the Company to benefit from reduced transmission tariffs, interruptibility compensation (an agreement whereby the companies agree to interrupt production in response to surges in demand across the French electricity grid), as well as receiving compensation for indirect carbon dioxide costs under the EU Emission Trading System (ETS) regulation. These arrangements not only allow French plants to operate competitively over a 12-month basis, but also to concentrate production during periods when energy prices are lower or even negative, as and when required. In 2023, Ferroglobe did not operate during the first quarter and most of December to optimize its contractual commitments.

The ARENH benefit allows all alternative suppliers to obtain electricity from EDF during certain time periods under conditions set by the public authorities. The price is currently established at EUR 42/megawatt hour. As such, when market prices are high, the ARENH system is an attractive solution.

In addition, we have an additional agreement with EDF in which we have agreed different electricity prices throughout the year based on demand. When demand is highest, our agreed price is generally lowest and is even negative during certain time periods.

As noted above, the Company did not operate during the first quarter and most of December as the benefits mentioned above are primarily in effect from April through October.

For the year ended December 31, 2023, the Company recorded \$186,211 thousand as an offset to expense recorded within "raw materials and energy consumption for production" associated with these benefits. However, such benefits are expected to be reduced significantly if not a net expense in future periods due to changes in energy prices and contractually agreed prices that reduce the overall benefit.

Ferroglobe's production of energy in France through its hydroelectric power plants provides some mitigation to its exposure to volatility in energy price.

In the United States, we prefer long term electric supply contracts that provide the ability to interrupt load and achieve reasonable rates. Our power supply contracts have, in the past, resulted in stable price structures. In West Virginia, we have a contract with Brookfield Renewable Partners, LP to provide, approximately 50% of our power needs, from a dedicated hydroelectric facility, through December 2025 at a fixed rate. Our needs for non-hydroelectric power in West Virginia and Alabama are primarily sourced through special contracts that provide competitive rates. In Ohio, electricity is sourced at market-based rates.

In South Africa, we have an "evergreen" supply agreement with Eskom, the local electricity supplier, for our Polokwane, eMalahleni, Newcastle (Siltech) and Thaba Chueu mining facilities. Eskom's energy prices are regulated by the National Energy Regulator (NERSA) and price changes are publicly announced in advance and implemented on the 1st of April every year. Operational smelters in South Africa were operating on normal tariffs for the year 2023, with eMalahleni participating in a curtailment program for the full year. The Polokwane smelter was restarted and operated by the end of the year at 65% capacity and also started participating in the curtailment program as from Q4. The Newcastle smelter remained in Care and Maintenance for the full year and the Notified Maximum Demand was reduced during the year to reduce fixed costs. The interruptibility program of Eskom that is applicable to eMalahleni and Polokwane, requires power curtailments when the grid is under supply pressure, but compensated on an hourly basis. This has a positive effect on the overall price paid for electricity. As a result, we look to reduce our output during the summer months when power is cheaper. Conversely, we look to reduce our output during the winter months (June, July and August), when power is more expensive. Occurrences of Loadshedding was important during 2023, but had minimal impact on the smelters due to the interruptability program, while in the Delmas mine, this was partially countered through diesel generators, where a portion of the costs are compensated by our customers to ensure contracted volumes. Load shedding is expected to continue up to 2028.

Independent power production from private power producers increased during 2022 and helped to improve supply within the country, this is expected to continue to grow over in the coming years and will help alleviate the amount of Load Shedding Events undertaken by Eskom. We are currently engaging with green energy producers to diversify our power supply from 2024. These are anticipated to be on a power wheeling basis through Eskom's grid, allowing consumption at any of our plants.

In Norway, we have a long-term contract with Statkraft to provide 75% of our energy needs at a fixed price. Our operations there benefit from a reduction of the distribution tariff, while also receiving compensation for indirect carbon dioxide costs under the EU Emission Trading System (ETS) regulation, allowing it to produce very competitively.

The level of power consumption of our submerged electric are furnaces is highly dependent on which products are being produced and typically fall in the following ranges: (i) manganese based alloys require between 1.5 and 5.5 megawatt hours to produce one ton of product, (ii) silicon based alloys require between 7 and 8 megawatt hours to produce one ton of product and (iii) silicon metal requires approximately 12 megawatt hours to produce one ton of product. As a result, consistent access to low cost, reliable sources of electricity is essential to our business.

Mining Operations

Reserves

The Securities and Exchange Commission ("SEC") amendments to its disclosure rules modernizing the mineral property disclosure requirements for mining registrants became effective on January 1, 2021. The amendments include the adoption of S-K 1300, which governs disclosure for mining registrants (the "SEC Mining Modernization Rules"). The SEC Mining Modernization Rules replaced the historical property disclosure requirements for mining registrants that were included in the SEC's Industry Guide 7 and better align disclosure with international industry and regulatory practices.

A mineral reserve is defined by S-K 1300 as an estimate of tonnage and grade or quality of indicated and measured mineral resources that, in the opinion of the qualified person, can be the basis of an economically viable project. More specifically, it is the economically mineable part of a measured or indicated mineral resource, which includes diluting materials and allowances for losses that may occur when the material is mined or extracted. A proven mineral reserve is the economically mineable part of an indicated and, in some cases, a measured mineral resource. Reserve estimates were made by independent third party consultants (qualified person), based primarily on dimensions revealed in outcrops, trenches, detailed sampling and drilling studies performed. For a probable mineral reserve, the qualified person's confidence in the results obtained from the application of the modifying factors and in the estimates of tonnage and grade or quality is lower than what is sufficient for a classification as a proven mineral reserve, but is still sufficient to demonstrate that, at the time of reporting, extraction of the mineral reserve is economically viable under reasonable investment and market assumptions. For a proven mineral reserve, the qualified person has a high degree of confidence in the results obtained from the application of the modifying factors and in the estimates of tonnage and grade or quality. These estimates are reviewed and reassessed from time to time. Reserve estimates are based on various assumptions, and any material changes in these assumptions could have a material impact on the accuracy of Ferroglobe's reserve estimates.

The following table sets forth summary information on Ferroglobe's mines as of December 31, 2023.

			Annual	Production	Production	Production	Mining
Mine	Location	Mineral	capacity kt	in 2023 kt	in 2022 kt	in 2021 kt	Recovery
Sonia	Spain (Mañón)	Quartz	150	119	141	125	0.4
Esmeralda	Spain (Val do Dubra)	Quartz	50	10	22	25	0.4
Serrabal.	Spain (Vedra & Boqueixón)	Quartz	330	201	288	300	0.2
Coto Minero Conchitina ⁽⁵⁾	Spain (O Vicedo)	Quartz	150	14	25	20	0.4
Thaba Chueu Mining	South Africa (Delmas)	Quartzite	1,000	592	553	601	0.7
Mahale	South Africa (Limpopo)	Quartz	80	32	23	24	0.5
Roodepoort	South Africa (Limpopo)	Quartz	50	_	_	_	0.5
Fort Klipdam	South Africa (Limpopo)	Quartz	75	75	43	30	0.8
AS&G Meadows Pit	United States (Alabama)	Quartzite	300	140.5	115	242	0.4
South Carolina Pit	United States (South Carolina)	Quartzite	300	_	_	_	0.3
			2,485	1,184	1,210	1,366	
Mosely Gap/Eatin Fk.	United States (Kentucky)	Coal (active)	400	348.6	379.5	_	0.7
Davis Creek	United States (Kentucky)	Coal (inactive)	240	_	_	_	0.7
Log Cabin No. 5	United States (Kentucky)	Coal (active)	168	289.6	170.2	156	0.6
Hubbs Hollow	United States (Kentucky)	Coal (active)	200	163	84	_	0.7
Kimberly	United States (Kentucky)	Coal (inactive)	100	_	_	_	0.6
Bennett's Branch	United States (Kentucky)	Coal (inactive)	100	_	_	_	0.7
Bain Branch No. 3	United States (Kentucky)	Coal (inactive)	60	_	_	_	0.5
Harpes Creek 4A	United States (Kentucky)	Coal (active)	100	42.3	32.7	_	0.6
			1,368	843.20	666.40	156	

	Proven reserves	Probable reserves	Mining		Btus per		Expiry
Mine	Mt ⁽¹⁾	Mt ⁽¹⁾	Method	Reserve grade	lb.	Life ⁽²⁾	date ⁽³⁾
Sonia	1.46	0.8	Open-pit	Metallurgical	N/A	15	2069
Esmeralda	0.02	0.12	Open-pit	Metallurgical	N/A	6	2029
Serrabal.	2.91	1.6	Open-pit	Metallurgical	N/A	15	2038
Coto Minero Conchitina ⁽⁵⁾	_	0.8	Open-pit	Metallurgical	N/A	12	2036
Thaba Chueu Mining	7.03	19.5	Open-pit	Metallurgical & Glass	N/A	30	2039
Mahale	_	3.0	Open-pit	Metallurgical	N/A	20	2035
Roodepoort	_	0.50	Open-pit	Metallurgical	N/A	5	2028
Fort Klipdam	_	0.50	Open-pit	Metallurgical	N/A	5	Expired (4)
AS&G Meadows Pit	2.50	_	Surface	Metallurgical	N/A	8	2031
South Carolina Pit	2.65		Surface	Metallurgical	N/A	11	2035
	16.57	26.77					
Mosely Gap	1.20	_	Surface	Metallurgical	14,000	3	2026
Hubbs Hollow	2.00	_	Surface	Metallurgical	14,000	4	2027
Log Cabin No. 5	0.12	_	Underground	Metallurgical	14,000	1	2024
Buffalo Creek	0.50	_	Surface	Metallurgical	14,000	2	2027
Kimberly	0.50	_	Surface	Metallurgical	14,000	5	2026
Bennett's Branch	1.70	_	Underground	Metallurgical	14,000	15	2036
Bain Branch No. 3	3.60	2.9	Underground	Metallurgical	14,000	25	2042
Harpes Creek 4A	1.20	1.3	Underground	Metallurgical	14,000	10	2032
	10.82	4.20					

⁽¹⁾ The estimated recoverable proven and probable reserves represent the tons of product that can be used internally or sold to metallurgical or glass grade customers. The mining recovery is based on historical yields at each

- particular site. We estimate our permitted mining life based on the number of years we can sustain average production rates under current circumstances.
- (2) Current estimated mine life in years.
- (3) Expiry date of Ferroglobe's mining concession.
- (4) The mining permit expired at the end of 2022. The application for a new mining permit was submitted in 2023 and is awaiting approval from the mining authorities. Stock is sufficient to supply the smelters into O2 2024.
- (5) Ferroglobe considers its Conchitina mining concessions as a single mining project legally supported by the formation of Coto Minero, formally approved by the Mining Authority in March 2018. In addition, Ferroglobe currently holds all necessary permits to start production at its Conchitina mines. Although Ferroglobe has not received formal approval from the Spanish Mining Authority over its 2024 Annual Mining Plan, we are not legally prevented from commencing mining operations in the area based on the fully-authorized 2023 Annual Mining Plan.

Spanish mining concessions

Conchitina

Ferroglobe purchased Cuarzos Industriales S.A.U and various of its mining rights in 1996 including Conchitina and Sonia.

Cuarzos Industriales, S.A.U. has requested the renewal of Conchitina while also requesting the competent authority to consolidate the concession with that of Conchitina Segunda. The Conchitina Segunda mining concession was granted to Cuarzos Industriales S.A.U. in 2006 for a 30-year term after the necessary mining research had been conducted and the mining potential of the area had been demonstrated. Legal support for the consolidation request was that both mining rights apply over a unique quartz deposit. Coto Minero approval was formally granted in March 2018. Cuarzos Industriales S.A.U. is the owner of the properties currently mined at Conchitina. The surface area covered by Conchitina concessions is 497 hectares.

Sonia

Ferroglobe acquired Cuarzos Industriales S.A.U., which is the owner of the properties currently mined at Sonia, along with the Sonia mining concession, in 1996 from the Portuguese cement manufacturer Cimpor. The surface area covered by the Sonia mining concession is 387 hectares. The concession is due to expire in 2069.

Esmeralda

The original Esmeralda mining concession was granted in 1999 to Cuarzos Industriales, S.A.U., the owner of the properties currently mined at Esmeralda, after proper mining research had been conducted and the mining potential of the area had been demonstrated to the relevant public authority. The surface area covered by the Esmeralda mining concession is 84 hectares. The concession is due to expire in 2029.

Serrabal

The Serrabal mining concession was originally granted in 1978 to Rocas, Arcillas y Minerales S.A. ("RAMSA") Ferroglobe acquired RAMSA, which is the owner of the properties currently mined at Serrabal, along with the Serrabal mining concession, in 2000. Rocas, Arcillas y Minerales, S.A. applied for the renewal of the concession which was formally granted in October 2023 and the concession will expire in 2038. The surface area covered by Serrabal mining concession is 387 hectares.

Cabanetas

The mining right granting process and tax regulations applicable to the Cabanetas limestone quarry differ from those applicable to other Ferroglobe mines in Spain due to Cabanetas' classification as a quarry, as opposed to a mine. Ferroglobe is currently operating the Cabanetas quarry pursuant to a permit resolution, that authorized the extension of the original mining concession issued in 2013 by the competent mining authority. The extension will expire in 2043. Limestone extracted from the Cabanetas quarry was intended to be used by the FerroAtlantica del Cinca S.L. Monzón electrometallurgy plant. However, because new metallurgical techniques require low consumption of this product,

most of the Cabanetas limestone is generally sold to the civil engineering and construction industries. The production level of the Cabanetas quarry has fallen considerably in recent years, mainly due to difficulties in the local construction industry.

The land on which the mining property is located is owned by Mancomunidad de Propietarios de Fincas Las Sierras and the plot containing the mining property is leased to FerroAtlantica del Cinca S.L. pursuant to a lease agreement entered into in 1950, which was subsequently extended until 2050. To retain the lease, FerroAtlantica del Cinca S.L. pays an annual fee currently equal to 60.15 per ton of limestone quarried out of the mine. The quarry covers a surface area of 180 hectares. The area affected by the planned exploitation during the current extension of the concession area is 6.9 hectares.

For further information regarding Spanish regulations applicable to mining concessions, as well as environmental and other regulations, see "Item 4.B—Laws and regulations applicable to Ferroglobe's mining operations—Spain".

South African concessions

Thaba Chueu Mining Delmas Operation

The SamQuarz mining rights were transferred from the original owners, Glass South Africa Holdings (Pty) Ltd. and Samancor Limited, to SamQuarz (Pty) Ltd. ("SamQuarz") in 1997. In 2009, the Minister of Mineral Resources converted the then existing SamQuarz mining rights into new order mining rights due to expire after 30 years in 2039. In 2012, FerroAtlántica acquired control of SamQuarz along with the mining rights. At the end of 2014, SamQuarz mining rights were transferred from SamQuarz to its sole shareholder, Thaba Chueu Mining (Pty) Ltd ("TCM"). In 2017, ownership of the properties currently mined in Delmas were transferred from SamQuarz to TCM. The total surface area covered by TCM Delmas mine is 118.1 hectares. The mine supplies some of its material to Ferroglobe's eMalahleni smelter, but the majority of its production, mainly Flint Sand, is sold to South African Glass Manufacturing Industry and other local metallurgical customers.

Mahale

Mahale is state-owned land, lawfully occupied by the Mahale community. Thaba Chueu Mining currently leases the land pursuant to an agreement with the Majeje Traditional Authority and runs mining operations on the area with mining rights owned by Thaba Chueu Mining and licensed to it. The latest mining right license was granted by the Department of Mineral Resources in 2014 and registered at the mining titles deeds office in 2016. The license is for a 20-year period and will expire in 2035. The total surface area covered by Mahale mine is 329.7 hectares. The lease agreement between Thaba Chueu Mining and the Majeje Traditional Authority will be in force for the entire duration of the mining right or as long as it is economically viable for the lessee to mine. Under the lease agreement, a monthly rent of ZAR 11 per ton is paid to the lessor in the form of a Royalty. Mining volumes increased significantly with the reopening of the Polokwane smelter at the end of 2022, but the mine also continues to supply the eMalahleni smelter with low alkaline quartz. Options are also under investigation to target export High Purity Quartz to the EU in order to act as a counter measure to local mining costs to improve production costs at the smelters going forward. First block quartz trials are envisaged during 2024 at the Polokwane smelter.

Roodepoort

The Roodepoort mining right is held by Ferroglobe's subsidiary, Silicon Smelters (Pty.), Ltd. ("Silicon Smelters"), and will expire in 2028. In 2009, Silicon Smelters applied for a conversion of the mining right into a new mining right under the South African Mineral and Petroleum Resources Development Act (the "MPRDA"), which came into force in 2004. The new mining right was granted and is valid for the continuation of our mining activities at the Roodepoort mine until 2028. Silicon Smelters is currently in the process of transferring this mining right to its mining subsidiary, Thaba Chueu Mining, in order that all licenses and permits in South Africa are held under this entity.

The total surface area covered by Roodepoort mine is 17.6 hectares. The mining area covers the cobble and block areas. The land in which Roodepoort mine is located is owned by Alpha Sand. A new agreement is in process of drafting to pay Alpha Sand a royalty when mining is expected to resume in 2024. Mining activities were suspended in July 2019 when a decision was taken to stop production at the Polokwane smelter and agreement was reached with the authorities to suspend activities legally until such time when the silicon metal market recovers significantly in

order to allow the restart of the Polokwane smelter. With the restart of the Polokwane smelter in November 2022, it is expected that operations at this mine could be restored during 2024.

Fort Klipdam

The land on which Fort Klipdam is located is owned by Silicon Smelters. The mining rights application filed by Silicon Smelters was rejected. Mining operations have been limited to mining permits that were approved for quartz mining, which includes block mine areas. As substantial block reserves have been established, a new application was launched in 2021 for a mining right and the current mining permit was extended to December 2023. An important quantity of block material was mined during Q4 of 2023 in order to secure a minimum of 12 months' supply to the Polokwane smelter. This was done in anticipation of the current mining permit. An agreement was reached with a mining partner that was granted a Prospecting Right, to apply for Mining Permits under Rixhaka mining until the reserve is depleted. This follows an extensive drilling campaign that was performed in 2023.

For further information regarding South African regulations applicable to mining concessions, as well as environmental and other regulations, see "Item 4.B—Laws and regulations applicable to Ferroglobe's mining operations—South Africa."

French mining concessions

Solevron

Ferroglobe France (formerly FerroPem, SAS), a subsidiary of Ferroglobe, previously owned 12.2 hectares of the overall Soleyron quartz mine area. The Saint-Hippolyte de Montaigu Municipality owns the remaining part. Rehabilitation of the site was performed in Q1 2022 and the French administration validated the realized rehabilitation in Q2 2022. With this approval, the Company sold the 12.2 hectares of land to the Saint-Hippolyte de Montaigu Municipality in May 2022.

United States and Canadian concessions

Coal

As of December 31, 2023, we have three active coal mines (two surface mines and one underground mine) located in Knox County, and Whitley County, Kentucky. We also have five inactive permitted coal mines available for extraction located in Kentucky and Alabama. All of our coal mines are leased and the remaining term of the leases range from 2 to 40 years. The majority of the coal production is consumed by the Company's facilities in the production of silicon metal and silicon-based alloys. As of December 31, 2023, we estimate our proven and probable reserves to be 10,820,000 tons with an average permitted life of 34 years at present operating levels. Present operating levels are determined based on a three-year annual average production rate. Reserve estimates were made by our geologists, engineers and third parties based primarily on drilling studies performed. These estimates are reviewed and reassessed from time to time. Reserve estimates are based on various assumptions, and any material changes in these assumptions could have a material impact on the accuracy of our reserve estimates.

We currently have two coal processing facilities in Kentucky, one of which is inactive. The active facility processes 500,000 tons of coal annually, with a capacity of 2,500,000 tons. The average coal processing recovery rate is 65%.

Quartzite

We have an open-pit quartz mining operation in Lowndesboro, Alabama, with accompanying wash facilities. We also have a concession to mine quartzite in Saint-Urbain, Québec (operated by a third party miner). These mines supply our North American operations with a substantial portion of their requirements for quartzite.

Laws and regulations applicable to Ferroglobe's mining operations

Spain

In Spain, mining concessions have an average term of 30 years and are extendable for additional 30-year terms, up to a maximum of 90 years. In order to extend the concession term, the concessionaire must file an application with the competent public authority. The application, which must be filed three years prior to the expiration of the concession term, must be accompanied by a detailed report demonstrating the continuity of mineral deposits and the technical ability to extract such deposits, as well as reserve estimates, an overall mining plan for the term of the concession and a detailed description of extraction and treatment techniques. The renewal process is straightforward for a mining company that has been mining the concession regularly. The main impediments to renewal are a lack of mining activity and legal conflicts. Each January, in order to maintain the validity of the mining concession, we are required to submit an annual mining plan detailing the projected development work in the upcoming year to the competent public authority.

Regarding the environmental requirements applicable to Ferroglobe's mining operations in Spain, each of Conchitina and Conchitina Segunda, Sonia, Esmeralda and Serrabal is subject to an "environmental impact statement" (or "EIS"), issued by the relevant environmental authority and specifically tailored to the environmental features of the relevant mine. The EIS requires compliance with high environmental standards and is based on the environmental impact study performed by the mining concession applicant in connection with each mining project. It is the result of a consultation process involving several public administrations, including cultural, archaeology, landscape, urbanistic, health, agriculture, water and industrial administrations. The EIS sets forth all conditions to be fulfilled by the applicant, which includes the protection of air, water, soil, flora and fauna, landscape, cultural heritage, restoration and the interaction of such elements. The relevant authority verifies compliance with our EIS, which covers mining activities, auxiliary facilities and heaps carried out in a determined perimeter of each mine. The EIS also includes a program of surveillance and environmental monitoring.

All mines, with the exception of Cabanetas, also need to obtain from the relevant public administration an authorization for the discharge of the water used at the mine. This authorization is subject to certain conditions, including analyzing the water before any such discharge is made. In addition, when presenting to the competent mining authorities its annual mining plans, Ferroglobe must include an environmental report describing all environmental actions carried out during the year. Authorities are able to oversee such actions upon their annual inspections. Because Cabanetas is classified as a quarry and not as a mine, environmental requirements are generally less stringent and an environmental report is not required. The environmental license for Cabanetas is included in the mining permit and is formalized in the annual work plan and the annual restoration plan approved by the mining authority.

The main recurring payment obligation in connection with Ferroglobe's mines in Spain relates to a tax payable annually, calculated on the basis of the budget included in the relevant annual mining plan provided to the authority. In addition, with the exception of Cabanetas, a small surface tax is paid annually to the administration on the basis of the mine property extension. A levy also applies to water consumption at each mine property, which is paid at irregular intervals whenever the relevant public administration requires it.

South Africa

In South Africa, mining rights are valid for a maximum of 30 years and are extendable for one additional 30-year period. Prior to granting and renewing a mining right, the competent authority must be satisfied with the technical and financial capacity of the intended mining operator and the mining work program according to which the operator intends to mine. In addition, a species rescue, relocation and re-introduction plan must be developed and implemented by a qualified person prior to the commencement of excavation, a detailed vegetation and habitat and rehabilitation plan must be developed by a qualified person and a permit must be obtained from the South African Heritage Resource Agency prior to the commencement of excavations. The mining right holder must also compile a labor and social plan for its mining operations and comply with certain additional regulatory requirements relating to, among other things, human resource development, employment equity, housing and living conditions and health and safety of employees, and the usage of water, which must be licensed.

It is a condition of the mining right that the holder disposes of all minerals and products derived from exploitation of the mineral at competitive market prices, which means, in all cases, non-discriminatory prices or non-export parity prices. If the minerals are sold to any entity which is an affiliate or non-affiliate agent or subsidy of the mining right

holder, or is directly or indirectly controlled by the holder, such purchaser must unconditionally undertake in writing to dispose of the minerals and any products from the minerals and any p

Environmental requirements applicable to mining operations in South Africa are mostly set out in the MPRDA. Pursuant to the MPRDA, in order to obtain reconnaissance permissions as well as actual mining rights, applicants must have in place an approved environmental management plan, pursuant to which, among other things, all boreholes, excavations and openings sunk or made during the duration of the mining right must be sealed, closed, fenced and made safe by the mining operator. Further environmental requirements apply in connection with health and safety matters, waste management and water usage. The MPRDA further requires mining right applicants to conduct an environmental impact assessment on the area of interest and submit an environmental management program setting forth, among other things, baseline information concerning the affected environment to determine protection, remedial measures and environmental management objectives, and describing the manner in which the applicant intends to modify, remedy, control or stop any action, activity or process which causes pollution or environmental degradation, contain or remedy the cause of pollution or degradation and migration of pollutants and comply with any prescribed waste standard or management standards or practices. In addition, applicants must provide sufficient insurance, bank guarantees, trust funds or cash to ensure the availability of sufficient funds to undertake the agreed work programs and for the rehabilitation, management and remediation of any negative environmental impact on the interested areas. Holders of a mining right must conduct continuous monitoring of the environmental management plan, conduct performance assessments of the plan and compile and submit a performance assessment report to the competent authority, the frequency of which must be as approved in the environmental management program, or every two years or as otherwise agreed by the authority in writing. Mine closure costs are evaluated and reported on an annual basis, but are

The mining right holder must also be in compliance with the Black Economic Empowerment ("BEE") regulation, a program launched by the South African government to redress certain racial inequalities. In order for a mining right to be granted, a mining company must agree on certain BEE-related conditions with the Department of Mineral and Petroleum Resources. Such conditions relate to, among other things, the company's ownership and employment equity and require the submission of a social and labor plan. Failure to comply with any of these BEE conditions may have an impact on, among other things, the ability of the mining company to retain the mining right or obtain its renewal upon expiry. In addition, companies subject to BEE must conduct, on an annual basis, a BEE rating audit on several aspects of the business, including black ownership, management control, employment equity, skills development, preferential procurement, enterprise development and socio-economic development. Preferential procurement, and procurement and socio-economic development. Preferential procurement, enterprise development preferential procurement preferential procurement preferential procurement preferential procurement preferential procurement preferential procurement pr

Mining rights are subject to payments of royalties to the tax authority, the South African Revenue Services. Such payments are generally made by June 30 and December 31 each year and upon the approval of the concessionaire's annual financial statements.

France

In France, mining rights are subject to a prefectural authorization. The authorization provides details of all requirements, including environmental requirements, which the mining operator and its subcontractors must comply with to operate the mine. Such requirements mainly concern archaeology, water protection, air pollution, control of noise, visual impact and safety matters. The authorization also contains the requirements relating to the remediation of the land after the end of the mining operations, including the provision of adequate financial guarantees by the mining operator. Mines are regularly inspected by the administration and local environmental commissions, comprising representatives of the relevant municipality, administration, several associations and the mining operator, which must meet at least once a year.

United States

The Coal Mine Health and Safety Act of 1969 and the Federal Mine Safety and Health Act of 1977 impose stringent safety and health standards on all aspects of mining operations. Certain states in which we operate underground and surface coal mines have state mine safety and health regulations. The Mine Safety and Health Administration (the "MSHA") inspects mine sites and enforces safety regulations and the Company must comply with ongoing regulatory reporting to the MSHA. Numerous governmental permits, licenses or approvals are required for mining operations. In order to obtain mining permits and approvals from state regulatory authorities, we must submit a reclamation plan for restoring, upon the completion of mining operations, the mined property to its prior or better condition, productive use or other permitted condition. We are also required to establish performance bonds, consistent with state requirements, to secure our financial obligations for reclamation, including removal of mining structures and ponds, backfilling and revegetation.

Customers and Markets

The following table details the breakdown of Ferroglobe's revenues by geographic end market for the years ended December 31, 2023, 2022 and 2021, respectively.

	Year ended December 31,		
(\$ thousands)	2023	2022	2021
United States of America	670,854	966,161	515,095
Europe			
Spain	169,390	282,387	251,528
Germany	276,333	442,331	292,774
Other European Countries	199,789	423,002	383,578
Total revenues in Europe	645,512	1,147,720	927,880
Rest of the World	333,668	484,035	335,933
Total	1,650,034	2,597,916	1,778,908

Customer base

We have a diversified customer base across our key product categories. Throughout our history, we have built long-lasting relationships with our customers based on the breadth and quality of our product offerings, as well as our ability to frequently offer lower-cost and more reliable supply options than our competitors who do not have production facilities located near the customers' facilities or production capabilities to meet specific customer requirements. We sell our products to customers in more than 40 countries across six continents, though our largest customer concentration is in the United States and Europe. The average length of our relationships with our top 30 customers exceeds 10 years and, in some cases, such relationships are for as long as 30 years.

For the years ended December 31, 2023, 2022 and 2021, Ferroglobe's ten largest customers accounted for 50.5%, 50.9% and 48.1% of the Company's consolidated revenues, respectively.

Customer contracts

Our contracting strategy seeks to ensure significant revenue while remaining flexible to benefit from movement in market pricing and operating efficiencies. Our silicon metal, manganese-based ferroalloys and silicon-based ferroalloys are typically sold under annual and quarterly contracts. Historically, we have targeted to contract 50-65% of our silicon metal, manganese-based ferroalloys production and silicon-based ferroalloy production in the fourth quarter for the following calendar year. In 2023, the majority of our contracts were indexed to market related benchmarks.

The remaining balance of our silicon metal, manganese-based ferroalloys production and our silicon-based ferroalloy production are sold under quarterly contracts or on a spot basis. By selling on a spot basis, we are able to take advantage of premiums for prompt delivery. We believe that our diversified contract portfolio allows us to secure a significant amount of revenues while also allowing us to remain flexible and benefit from unexpected price and demand upticks.

Sales and Marketing Activities

Ferroglobe generally sells the majority of its silicon products under annual or longer-term contracts for silicone producers, and mainly between one month to three months for aluminum producing customers. All contracts generally include a volume framework and price formula based on the spot market price and other elements, such as expected production costs and premiums. Ferroglobe also makes spot sales to customers with whom it does not have a contract as well as through quarterly agreements at prices that generally reflect market spot prices. In addition, Ferroglobe sells certain high-value-added products at prices that are not directly correlated with the market prices for the metals or alloys from which they are composed.

With the exception of the manganese-based business, the majority of Ferroglobe's products are sold in Europe and the United States directly by our own sales forces located in Spain, France, Germany and the United States whereas sales in other regions are generally handled by agents. For the manganese-based business, Glencore and Ferroglobe operate under exclusive agency agreements for the marketing of Ferroglobe's manganese alloys products worldwide, and for the procurement of manganese ores to supply Ferrogloble's plants.

Competition

Price represents the most significant differentiating and competitive factor in our core industries. Other important factors include the consistency of the chemical and physical specifications, as well as the reliability of supply.

The silicon metal, manganese and silicon-based alloys and specialty metals markets are highly competitive, global markets, in which suppliers are able to reach customers across different geographies, and in which local presence is generally a minor advantage. In the silicon metal market, Ferroglobe's primary competitors include Chinese producers, which have production capacity that exceeds total worldwide demand. Aside from Chinese producers, Ferroglobe's competitors include, but are not limited to: (i) Elkem, a Norwegian manufacturer of silicon metal, ferrosilicon, foundry products, silica fumes, carbon products and energy; (ii) Dow Inc., an American company specializing, in silicone and silicon-based technology; (iii) Rima, a Brazilian silicon metal and ferrosilicon producer; (iv) Liasa and Minas Ligas, Brazilian producers of silicon; (v) Wacker, a German chemical business which manufactures silicon in Norway; (vi) Simcoa, in Australia which belongs to the Japanese chemical company Shin-Etsu, a consumer of silicon, as well as several other smaller producers in Bosnia Herzegovina, Iceland, Germany, Malaysia, Russia and Thailand.

In the manganese and silicon alloys market, Ferroglobe's competitors include Privat Group, a Ukrainian company with operations in Australia, Ghana and Ukraine, Eramet, a French mining and metallurgical group, CHEMK Industrial Group, a Russian conglomerate which is one of the largest silicon-based alloy producers in the world, South 32 (formerly BHP Billiton), a global mining company with operations in Australia and South Africa and Vale, a mining and metals group headquartered in Brazil, Asia Minerals and OM Holdings in Malaysia and Elkem in Norway.

In the silica fumes market, Ferroglobe's main competitor is Elkem.

Ferroglobe strives to be a highly efficient, low-cost producer, offering competitive pricing and engaging in manufacturing processes that capture most of its production of by-products for reuse or resale. Additionally, through the vertical integration of its quartz mines in Spain, the United States, Canada and South Africa and its metallurgical coal mines in the United States, Ferroglobe has ensured access to high quality raw materials that are essential in silicon metal, manganese- and silicon-based alloys and specialty metals production processes and has been able to gain a competitive advantage against our competition by reducing our costs.

Research and Development (R&D)

Ferroglobe is committed to advancing novel products, cutting-edge technologies, and innovative production processes to enhance value for our stakeholders and align with worldwide megatrends, particularly the transition towards green energy. We maintain specialized teams dedicated to R&D and technology, while also fostering collaborative partnerships through agreements with universities and research institutes in Spain, France, and other global locations. The ensuing section provides an overview of Ferroglobe's noteworthy and continuous research and development initiatives.

ELSA electrode

Ferroglobe has pioneered a patented technology for electrodes employed in silicon metal furnaces, successfully marketing it to numerous prominent silicon producers worldwide. Recognized as the ELSA electrode, this technology plays a pivotal role in enhancing energy efficiency during the silicon metal production process while eradicating iron contamination. Ferroglobe has extended the privilege to utilize the ELSA electrode to these producers, subject to the payment of royalties to Ferroglobe. The company remains dedicated to ongoing investments in ELSA to uphold its innovativeness and ensure continual advancement in the process.

Silicon for advanced technologies- Li-ion batteries

Ferroglobe initiated the Silicon for Advanced Technologies project, with the objective of manufacturing customized, silicon-based products tailored for high-end applications. Among the diverse applications being targeted, the most promising market is that of anodic materials for Li-ion batteries. In this specific domain, Ferroglobe has developed high-purity silicon powder, available in various purities and sizes, intended for use as raw material in the production of anodic active materials such as silicon/carbon composites (Si/C) or silicon monoxide (SiOx). These materials, Si/C and SiOx, are incorporated in small proportions in the anodes of lithium-ion batteries.

Ferroglobe is actively engaged in advancing the next-generation technology involving pure silicon anodes. In this endeavor, we are in the process of formulating specialized grades of micro and submicrometric silicon, designed for direct application in the anode with specific treatments. To facilitate the treatments and conduct electrochemical testing, Ferroglobe has established collaborative agreements with select companies and research institutes.

In this project, we have harnessed the purification technologies pioneered for the solar grade silicon initiative, all of which are protected by patents. These technologies, boasting industrial viability, cost-effectiveness, and a minimal carbon footprint, position Ferroglobe as a frontrunner in this emerging market. Our Innovation Centre in Sabón, Spain, houses the inaugural demonstration milling unit, while multiple industrial purification units are operational in Montricher, France, and Puertollano, Spain.

High purity manganese sulphate - Battery grade

Manganese emerges as an upcoming cathodic material, given its abundance, cost-effectiveness in contrast to cobalt and nickel, potential for higher voltages, and increased energy density. Several years ago, Ferroglobe secured a patent for a process to generate electrolytic manganese metal, starting from off-specification materials derived from manganese alloy production. Building upon this process and leveraging our expertise, Ferroglobe Innovation is currently in the process of developing supplementary purification steps to achieve battery grade manganese sulphate monohydrate.

Proprietary Rights and Licensing

The majority of Ferroglobe's intellectual property consists of proprietary know-how and trade secrets. Ferroglobe's intellectual property strategy is focused on developing and protecting proprietary know-how and trade secrets, which are maintained through employee and third-party confidentiality agreements and physical security measures. Although Ferroglobe owns some patented technology, we believe that the Company's businesses and profitability do not rely fundamentally upon patented technology and that the publication implicit in the patenting process may in certain instances be detrimental to Ferroglobe's ability to protect its proprietary information.

Regulatory Matters

Environmental and health and safety

Ferroglobe operates facilities worldwide, which are subject to foreign, national, regional, provincial and local environmental, health and safety laws and regulations, including, among others, those requirements governing the discharge of materials into the environment, the generation, use, storage and disposal of hazardous substances, the extraction and use of water, land use, reclamation and remediation and the health and safety of Ferroglobe's employees. These laws and regulations require Ferroglobe to obtain permits from governmental authorities to conduct its regulated activities. Such permits may be subject to modification or revocation by such authorities.

Ferroglobe may not always be in full compliance with such laws, regulations and permits, although Ferroglobe is not aware of any material past or current noncompliance. Failure to comply with these laws, regulations and permits may result in the assessment of administrative, civil and criminal penalties or other sanctions by regulators, the imposition of obligations to conduct remediation or upgrade or install pollution or dust control equipment, the issuance of injunctions limiting or preventing Ferroglobe's activities, legal claims for personal injury or property damages, and other liabilities.

Under these laws, regulations and permits, Ferroglobe could also be held liable for any consequences arising out of an industrial incident, human exposure to hazardous substances or environmental damage that relates to Ferroglobe's current or former operations or properties. Environmental, health and safety laws are likely to become more stringent in the future. Ferroglobe purchases insurance to cover these potential liabilities, but the costs of complying with current and future environmental, health and safety laws, and its liabilities arising from past or future releases of, or exposure to, hazardous substances, may exceed insured, budgeted or reserved amounts and adversely affect Ferroglobe's business, results of operations and financial condition. Several corporate standards and procedures are being deployed to ensure a proactive approach in the compliance management.

Some environmental laws assess liability on current or previous owners or operators of real property for the cost of removal or remediation of hazardous substances. In addition to cleanup, cost recovery or compensatory actions brought by foreign, national, regional, provincial and local agencies, neighbors, employees or other third parties could make personal injury, property damage or other private claims relating to the presence or release of hazardous substances. Environmental laws often impose liability even if the owner or operator did not know of, or did not cause, the release of hazardous substances. Persons who arrange for the disposal or treatment of hazardous substances also may be responsible for the cost of removal or remediation of these substances. Such persons can be responsible for removal and remediation costs even if they never owned or operated the disposal or treatment facility. In addition, such owners or operators of real property and persons who arrange for the disposal or treatment of hazardous substances can be held responsible for damages to natural resources.

There are a variety of laws and regulations in place or being considered at the international, national, regional, provincial and local levels of government that restrict or are reasonably likely to result in limitations on, or additional costs related to, emissions of carbon dioxide and other greenhouse gases. These legislative and regulatory developments may cause Ferroglobe to incur material costs to reduce the greenhouse gas emissions from its operations (through additional environmental control equipment or retiring and replacing existing equipment) or to obtain emission allowance or credits, or result in the incurrence of material taxes, fees or other governmental impositions on account of such emissions. In addition, such developments may have indirect impacts on Ferroglobe's operations, which could be material. For example, they may impose significant additional costs or limitations on electricity generators, which could result in a material increase in energy costs. Restrictions in water usage are also expected in the near future, with water reduction programs becoming mandatory for certain of our plants. Open cooling systems will be less tolerated by the regulators.

For a summary of regulatory matters applicable to Ferroglobe's mining operations, see "Item 4.B—Laws and regulations applicable to Ferroglobe's mining operations."

Energy and electricity generation

Trade

Ferroglobe operates hydroelectric plants in France under a concession system, which are subject to energy, environmental, health and safety laws and regulations, including those governing the generation of electricity and the use of water and river basins. These laws and regulations require Ferroglobe to obtain from the French State a Prefectural decree granting the operation to Ferroglobe according to the specifications of the concession

Ferroglobe benefits from antidumping and countervailing duty orders and laws that protect its products by imposing special duties on unfairly traded imports from certain countries. These orders may be subject to revision, revocation or rescission as a result of periodic and five-year reviews.

In the United States, antidumping or countervailing duty orders are in effect covering silicon metal imports from China, Russia, Bosnia and Herzegovina, Iceland, Kazakhstan, and Malaysia.

In June 2020, Ferroglobe USA, Inc. (formerly Globe Specialty Metals, Inc.) ("Ferroglobe USA") petitioned the U.S. Department of Commerce ("Commerce") and the U.S. International Trade Commission ("ITC") to stop silicon metal producers in Bosnia and Herzegovina, Iceland, Malaysia and Kazakhstan from selling unfairly priced and subsidized silicon metal imports into the United States. These cases were successful, and in April 2021, Commerce issued formal antidumping orders on all imports from Bosnia and Herzegovina and Iceland, and a formal countervailing duty order on all imports from Kazakhstan. A formal antidumping duty order was issued with respect to all imports from Malaysia in August 2021. These orders will remain in place for at least five years. Currently, an appeal of the 2021 Kazakhstan determination remains pending before the United States Court of Appeals for the Federal Circuit. Additionally, periodic reviews are underway at Commerce concerning imports from Malaysia.

In June 2020, the Russia silicon metal antidumping duty order was renewed for another five years after Commerce and the ITC determined that revocation of the order would lead to continued or recurrent dumping and injury to the U.S. industry. Similarly, in November 2023, the China antidumping duty order was renewed for another five years after the ITC and Commerce determined that revocation of the order on Chinese silicon metal imports would lead to continued or recurrent dumping and injury to the U.S. industry.

In September 2023, a bipartisan bill was introduced in the U.S. Senate and subsequently in the House of Representatives to enact a 35% tariff on imports of Russian and Belarusian ferrosilicon. The legislation remains under consideration in both chambers.

In March 2024, Ferroglobe USA petitioned Commerce and the ITC to stop ferrosilicon producers in Brazil, Kazakhstan, Malaysia, and Russia from selling unfairly priced and subsidized ferrosilicon imports into the United States. These proceedings are ongoing and are subject to specific statutory deadlines. The ITC's preliminary determination will be rendered in May 2024. Commerce's preliminary countervailing duty (subsidies) determinations may be rendered as early as June 2024, and its preliminary antidumping duty determinations may be rendered as early as October 2024 and January 2025, respectively. These deadlines may be extended by operation of law.

In Canada, antidumping and countervailing duties covering silicon metal imports from China are in effect. A five-year expiry review of the Canadian antidumping/countervailing duty order covering silicon metal imports from China will begin in the first half of 2024.

In the European Union, antidumping duties are in place covering silicon metal and calcium silicon imports from China, and ferrosilicon imports from China and Russia. In June 2020, the European Commission renewed the antidumping orders on ferrosilicon from China and Russia for five years. In August 2022, following an expiry review the European Commission extended the antidumping duties on silicon metal imports from China for another five-year period. On March 23, 2022, the European Commission imposed definitive antidumping duties on calcium silicon imports from China for a five-year period.

Seasonality

Electrometallurgy

Due to the cyclicality of energy prices and the energy-intensive nature of the production processes for silicon metal, manganese- and silicon-based alloys and specialty metals, in certain instances Ferroglobe does not operate its electrometallurgy plants during certain periods when energy prices are at their peak. Demand for Ferroglobe's manganese- and silicon-based alloy and specialty metals products is lower during these same periods as its customers also tend to suspend their energy-intensive production processes involving Ferroglobe's products. As a result, sales within particular geographic regions are subject to seasonality.

C. Organizational structure.

For a list of subsidiaries and ownership structure see "Note 2. Organization and Subsidiaries" to our consolidated financial statements.

D. Property, Plant and Equipment.

See "Item 4. Information on the Company-B. Business Overview."

ITEM 4A. UNRESOLVED STAFF COMMENTS

Not applicable.

ITEM 5. OPERATING AND FINANCIAL REVIEW AND PROSPECTS

A. Operating Results

Introduction

You should read the following management's discussion and analysis of our financial condition and results of operations together with our consolidated financial statements, including the notes thereto, included in this Annual Report. The following discussion is based on our financial information prepared in accordance with IFRS as issued by the IASB, which might differ in material respects from generally accepted accounting principles in other jurisdictions. The following discussion includes forward-looking statements that involve risks, uncertainties and assumptions. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of many factors, including but not limited to those described under "Item 3. Key information—D. Risk factors" and elsewhere in this Annual Report.

Principal Factors Affecting Our Results of Operations

Sale prices

Ferroglobe's operating performance is highly correlated to the demand for our products, market prices and costs to serve in a globally competitive environment. Ferroglobe follows a pricing policy aimed at maintaining balance between exposure to termed contracts, based on formula pricing, and to the spot market. This approach allows Ferroglobe to remain flexible in adjusting its production and sales footprint depending on changing market conditions, which traditionally have been volatile.

During 2023, demand across our segments was impacted by the ongoing decline in market price, which had peaked in the prior years due to the re-filling of value chains after the COVID-19 pandemic. The end market demand concerns were exacerbated by the higher interest and inflation rate environment. Additionally, lower market demand continued into the second half of 2023.

Silicon metal pricing declined during the year in line with demand across global value chains such as the chemical, aluminum, and other commodity sectors. Pricing across Europe and Asia has converged while the US still carries a premium. The drop in demand has forced producers to adjust their production, in an effort to attenuate the downward trend in silicon prices that began in mid-2022. The Company has further noticed a trend reversal commencing in Q4 2023. Ferroalloy prices followed a similar trend, recovering in Q4 2023 as a result of improved steel production in the EU and supply chain disruptions.

Since 2020, the manganese-based alloy pricing spreads, over ore, recovered through mid-2022 and have since returned to near historical levels in late 2023 due to weaker demand of steel across Europe.

Our ferrosilicon business pricing declined in 2023 in line with the weakening demand in steel going into the construction and automotive sectors. Further investments were limited by the higher interest and inflation rate environment.

Cost of raw materials

The main raw materials sourced by Ferroglobe are quartz, manganese ore, coal, metallurgical coke, wood and charcoal. Manganese ore is the largest component of the cost base for manganese-based alloys. In 2023, more than 35% of Ferroglobe's total \$112.6 million in expenses with respect to manganese ore fell under an annual commitment (33% of \$187.8 million in 2022 and 27% of \$133.48 million in 2021), while the remaining was purchased on a spot basis.

In 2023, coal represented a \$191.3 million expense for Ferroglobe (\$179.5 million in 2022 and %137.4 million in 2021). Metallurgical coke, used for manganese alloys production, represented a total purchase volume of \$41.5

million in 2023 (\$72.9 million in 2022 and \$47.5 million in 2021). Wood is both an important element for both the production of silicon alloys and the production of charcoal, which is used as a carbon reductant at Ferroglobe's South African operations. Ferroglobe's wood expense amounted to \$40.7 million, \$37.8 million and \$36.8 million in 2023, 2022 and 2021, respectively. Ferroglobe sourced the majority of our quartz needs globally from its own mines in Spain, South Africa, the Unites States and Canada. Total quartz consumption in 2023, 2022 and 2021 represented an expense of \$76.7 million, \$90.4 million and \$87.8 million, respectively.

Power

Power generally constitutes one of the largest expenses for most of Ferroglobe's products. Ferroglobe focuses on minimizing energy prices and unit consumption throughout its operations through active management of our energy procurement and by concentrating its silicon and manganese-based alloy production during periods when energy prices are lower. In 2023, Ferroglobe's total power consumption was 5,834 gigawatt-hours (6,431 in 2022), with power contracts that vary across its operations and geographies.

Energy pricing gradually improved in 2023 after process peaked in 2022 due to the turmoil created by the conflict in Ukraine. With improved production in European countries, especially nuclear power production in France, together with reduced consumption in most countries, prices declined throughout the year in Europe. Other geographies remain relatively stable in both availability and prices except in South Africa where load shedding has been more common than in previous years.

Foreign currency fluctuation

Ferroglobe has a diversified production base consisting of production facilities across the United States, Europe, South America, South Africa and Asia. Ferroglobe production costs are mostly dependent on local factors, with the exception of the cost of manganese ore and coal, which are dependent on global commodity prices. The relative strength of the functional currencies of Ferroglobe's subsidiaries influences its competitiveness in the international market, most notably in the case of Ferroglobe's South African operations, which have historically exported a majority of their production to the U.S. and the European Union. For additional information see "Item 11.—Quantitative and Qualitative Disclosures About Market Risk—Foreign Exchange Rate Risk."

Regulatory changes

See "Item 4.B.—Business Overview—Regulatory Matters."

Comparison of the years ended December 31, 2023 and 2022

		ember 31,
(\$ thousands)	2023	2022
Sales	1,650,034	2,597,916
Raw materials and energy consumption for production	(879,286)	(1,285,086)
Other operating income	100,992	147,356
Staff costs	(305,859)	(314,810)
Other operating expense	(270,090)	(346,252)
Depreciation and amortization charges	(73,532)	(81,559)
Impairment (loss)	(25,290)	(56,999)
Other (loss)	(29)	(19)
Operating profit	196,940	660,547
Finance income	5,422	2,274
Finance costs	(38,793)	(61,015)
Exchange differences	(7,551)	(9,995)
Profit before tax	156,018	591,811
Income tax (expense)	(57,540)	(147,983)
Profit for the year	98,478	443,828
Profit attributable to non-controlling interests	15,816	3,514
Profit attributable to the Parent	82,662	440,314

Sales

Sales decreased \$947,882 thousand, or 36.5%, from \$2,597,916 thousand for the year ended December 31, 2022 to \$1,650,034 thousand for the year ended December 31, 2023. The decrease in our sales results is primarily attributable to lower volumes across our product portfolio and lower pricing of our main products.

Sales revenue decreased across all major products in 2023. Silicon metal sales revenue decreased \$394,053 thousand, or 35.3%, and average selling prices of silicon metal decreased by 30.3% to \$3,715/MT in 2023 from \$5,332/MT in 2022. Total shipments of silicon metal decreased by 7.1% due to weak demand in chemicals and aluminum in Europe.

Silicon-Based Alloys sales revenue decreased \$263,502 thousand, or 35%, and average selling prices decreased by 30.6% to \$2,562/MT in 2023 from \$3,694/MT in 2022. Total shipments decreased by 6.2% driven by weak demand from steel manufacturers.

Manganese-Based Alloys sales revenue decreased \$266,199 thousand, or 50.7%, and average selling prices decreased by 35.8% to \$1,141/MT in 2023, compared to \$1,778/MT in 2022. Total shipments decreased by 23.1% due to production adjustments in Spain as a result of high energy prices, and lower-cost imports introducing higher pressure from Asia.

Raw materials and energy consumption for production

Raw materials and energy consumption for production decreased \$405,800 thousand, or 31.6%, from \$1,285,086 thousand for the year ended December 31, 2022 to \$879,286 thousand for the year ended December 31, 2023, primarily due to the reduction in sales and our agreement with EDF regarding the electricity pricing mechanism as well as the ARENH benefit of \$186,211 thousand, which has been recorded as an offset to "raw materials and energy consumption for production." As mentioned earlier, this benefit was primarily based on favorable electricity pricing, even negative, that we had agreed with EDF during time periods when demand for electricity was highest. We had not agreed a similar pricing mechanism for 2022. During 2023, raw materials and energy consumption for production as a percentage of sales was 53%, compared to 49% in 2022. The increase was driven by lower sales pricing.

Other operating income

Other operating income decreased \$46,364 thousand, or 31.5%, from \$147,356 thousand for the year ended December 31, 2022 to \$100,992 thousand for the year ended December 31, 2023, mainly due to the benefit received from our French energy provider to stop production in Q4 2022 amounting to \$42,219 thousand and lower income recognized in 2023 related to the carbon dioxide emission allowances amounting to \$8.635 thousand.

Staff costs

Staff costs decreased \$8,951 thousand, or 2.8%, from \$314,810 thousand for the year ended December 31, 2022 to \$305,859 thousand for the year ended December 31, 2023. This decrease is primarily due to a lower variable remuneration driven by the lower results in 2023.

Other operating expense

Other operating expense decreased \$76,182 thousand, or 22.0%, from \$346,252 thousand for the year ended December 31, 2022 to \$270,090 thousand for the year ended December 31, 2023, driven by a decrease in distribution costs amounting to \$26,831 thousand, a result of lower sales volumes, a reduction of services of independent professionals amounting to \$33,865 thousand and lower carbon dioxide cost for a total of \$18,351 thousand.

Depreciation and amortization charges

Depreciation and amortization charges decreased \$8,027 thousand or 9.8%, from \$81,559 thousand for the year ended December 31, 2022 to \$73,532 thousand for the year ended December 31, 2023. The decrease in depreciation is driven by the impairments of assets recognized in 2022, amounting to \$56,999 thousand.

Impairment (loss) gain

Impairment losses decreased \$31,709, from a loss of \$56,999 thousand for the year ended December 31, 2022 to \$25,290 thousand for the year ended December 31, 2023.

During the year ended December 31, 2023 the Company recognized an impairment of \$21,008 thousand in relation to our Selma facility in the U.S, an impairment of \$1,570 thousand relating to our Boo facility in Spain and an impairment of \$3,619 thousand relating to our Cee-Dumbria facility in Spain.

During the year ended December 31, 2022 the Company recognized an impairment of \$56,999 thousand in relation to an impairment of \$5,994 thousand relating to our Château Feuillet facility in France, an impairment of \$11,559 thousand relating to our Boo facility in Spain, an impairment of \$20,034 thousand relating to our Cee facility in Spain, an impairment of \$15,749 thousand relating to our Mo I Rana facility in Norway, impairment amounting to \$5,514 thousand relating to our asset in Puertollano, Spain, an impairment reversal of \$2,750 thousand relating to our mining business in South Africa alongside, and an impairment reversal of \$5,017 thousand relating to our Polokwane facility also located in South Africa.

Finance income

Finance income increased \$3,148 thousand, or 138.4%, from \$2,274 thousand for the year ended December 31, 2022 to \$5,422 thousand for the year ended December 31, 2023. The increase is driven by the interest received on money market funds.

Finance costs

Finance costs decreased \$26,871 thousand, or 44.0%, from \$61,015 thousand for the year ended December 31, 2022 to \$34,144 thousand for the year ended December 31, 2023. The decrease is primarily due to the partial redemption of the Reinstated Notes by \$150.0 million in July 2023 and the early partial repayment of \$17.4 million of Reindus loan in February 2023.

Exchange differences

Exchange differences decreased \$2,444 thousand, or 24.5% from \$9,995 thousand for the year ended December 31, 2022 to \$7,551 thousand for the year ended December 31, 2023, primarily due to the EUR-USD exchange rate.

Income tax (expense) benefit

Income tax expense decreased \$90,443 thousand, from an income tax expense of \$147,983 thousand for the year ended December 31, 2022 to an income tax expense of \$57,540 thousand for the year ended December 31, 2023. The variance is primarily due to a lower income tax recorded in 2023, mainly in the United States by \$7,825 thousand recorded in 2023 compared to \$68,104 thousand in 2022 and in Canada by \$6,226 thousand recorded in 2023 compared to \$27,209 thousand in 2022, both driven by higher profit before tax in 2022.

Operating segments are based upon the Company's management reporting structure. As such, we report our results in accordance with the following segments:

- North America Silicon Metals
- North America Silicon Alloys
- Europe Manganese
- Europe Silicon Metals
- Europe Silicon Alloys South Africa Silicon Metals South Africa Silicon Alloys
- Other segments

North America - Silicon Metals

	Year ended December 31,	
(\$ thousands)	2023	2022
Sales	505,472	671,290
Raw materials and energy consumption for production	(313,162)	(305,545)
Other operating income	6,605	6,464
Staff costs	(67,160)	(61,378)
Other operating expense	(44,304)	(33,708)
Depreciation and amortization charges	(32,313)	(33,708)
Impairment (loss)	(21,008)	_
Other (loss)	(71)	(522)
Operating (loss) profit	34,059	242,893

Sales

Sales decreased \$165,818 thousand, or 24.7%, from \$671,290 thousand for the year ended December 31, 2022 to \$505,472 thousand for the year ended December 31, 2023 and average selling prices decreased by 30.4% to \$3,968/MT in 2023 from \$5,700/MT in 2022. Total shipments of silicon metal remain stable in 2023 compared to 2022.

Raw materials and energy consumption for production

Raw materials and energy consumption increased \$7,617 thousand, or 2.5%, from \$305,545 thousand for the year ended December 31, 2022 to \$313,162 thousand for the year ended December 31, 2023. The increase in our raw materials and energy consumption for production is due to higher raw material costs.

Other operating income

Other operating income increased \$141 thousand, or 2.2%, from \$6,464 thousand for the year ended December 31, 2022 to \$6,605 thousand for the year ended December 31, 2023.

Staff costs

Staff costs increased \$5,782 thousand, or 9.4%, from \$61,378 thousand for the year ended December 31, 2022 to \$67,160 thousand for the year ended December 31, 2023. The increase is primarily due to a higher number of employees in 2023.

Other operating expense

Other operating expense increased \$10,596 thousand, or 31.4%, from \$33,708 thousand for the year ended December 31, 2022 to \$44,304 thousand for the year ended December 31, 2023, primarily due to the agreement in its partnerships with Dow Corning.

Depreciation and amortization charges

Depreciation and amortization charges decreased \$1,395 thousand, or 4.1%, from \$33,708 thousand for the year ended December 31, 2022 to \$32,313 thousand for the year ended December 31, 2023.

Impairment (loss)

The Company recorded an impairment loss of \$21,008 thousand for the year ended December 31, 2023 associated with the idling of our Selma facility in the U.S.

North America - Silicon Alloys

	Year ended Dece	ember 31,
(\$ thousands)	2023	2022
Sales	283,180	339,414
Raw materials and energy consumption for production	(165,193)	(68,490)
Other operating income	3,896	122
Staff costs	(37,744)	(41,923)
Other operating expense	(26,840)	(37,859)
Depreciation and amortization charges	(15,183)	(15,135)
Other (loss)	(115)	(126)
Operating profit	42,001	176,003

Sales

Sales decreased \$56,234 thousand, or 16.6%, from \$339,414 thousand for the year ended December 31, 2022 to \$283,180 thousand for the year ended December 31, 2023 and average selling prices decreased by 38.2% to \$2,936/MT in 2023 from \$4,747/MT in 2022. Total shipments increased by 16%.

Raw materials and energy consumption for production

Raw materials and energy consumption increased \$96,703 thousand, or 141.2%, from \$68,490 thousand for the year ended December 31, 2022 to \$165,193 thousand for the year ended December 31, 2023. The increase in our raw materials and energy consumption for production is mainly due to higher raw material prices and the increase in overall shipments.

Other operating income

Other operating income increased \$3,774 thousand, or 3093.4%, from \$122 thousand for the year ended December 31, 2022 to \$3,896 thousand for the year ended December 31, 2023. This income relates primarily to the commissions charged to other group companies that are eliminated during the consolidation process.

Staff costs

Staff costs decreased \$4,179 thousand, or 10.0%, from \$41,923 thousand for the year ended December 31, 2022 to \$37,744 thousand for the year ended December 31, 2023. The decrease is primarily due to lower variable remuneration driven by our lower results in 2023.

Other operating expense

Other operating expense decreased \$11,019 thousand, or 29.1%, from \$37,859 thousand for the year ended December 31, 2022 to \$26,840 thousand for the year ended December 31, 2023. The decrease is primarily due to litigation provisions recorded in 2022 that were settled during 2023.

Depreciation and amortization charges

Depreciation and amortization charges increased \$48 thousand, or 0.3%, from \$15,135 thousand for the year ended December 31, 2022 to \$15,183 thousand for the year ended December 31, 2023.

Europe - Manganese

	Year ended Dece	ember 31,
(\$ thousands)	2023	2022
Sales	277,508	701,140
Raw materials and energy consumption for production	(183,839)	(541,034)
Other operating income	36,628	42,882
Staff costs	(28,326)	(28,996)
Other operating expense	(69,897)	(111,741)
Depreciation and amortization charges	(7,835)	(13,005)
Impairment (loss)	(1,571)	(33,222)
Other gain (loss)	1	(178)
Operating profit	22,669	15,846

Sales

Sales decreased \$423,632 thousand or 60.4%, from \$701,140 thousand for the year ended December 31, 2022 to \$277,508 thousand for the year ended December 31, 2023, driven by a decrease in average selling prices by 35.8% to \$1,141/MT in 2023 from \$1,778/MT in 2022. Total shipments decreased by 23.1%. Additionally, sales of other products decreased in 2023 in both volumes and average sales prices.

Raw materials and energy consumption for production

Raw materials and energy consumption decreased \$357,195 thousand, or 66.0%, from \$541,034 thousand for the year ended December 31, 2022 to \$183,839 thousand for the year ended December 31, 2023, mainly due to the French energy agreement benefit as discussed above and recorded in 2023 amounting to \$54,380 thousand and the decrease in overall shipments.

Other operating income

Other operating income decreased \$6,254 thousand, or 14.6%, from \$42,882 thousand for the year ended December 31, 2022 to \$36,628 thousand for the year ended December 31, 2023, primarily driven by the energy compensation received in France in 2022.

Staff costs

Staff costs decreased \$670 thousand or 2.3%, from \$28,996 thousand for the year ended December 31, 2022 to \$28,326 thousand for the year ended December 31, 2023.

Other operating expense

Other operating expense decreased \$41,844 thousand, or 37.4%, from \$111,741 thousand for the year ended December 31, 2022 to \$69,897 thousand for the year ended December 31, 2023, primarily driven by a decrease in distribution costs linked to lower volumes in 2023 compared to 2022.

Depreciation and amortization charges

Depreciation and amortization charges decreased \$5,170 thousand, or 39.8%, from \$13,005 thousand for the year ended December 31, 2022 to \$7,835 thousand for the year ended December 31, 2023, primarily due to the impairments recorded in 2022 in our facilities in Boo, Monzón and Mo I Rana.

Impairment (loss)

Impairment losses decreased by \$31,651 thousand, from a loss of \$33,222 thousand for the year ended December 31, 2022 to a loss of \$1,571 thousand for the year ended December 31, 2023. During 2023, the Company recorded an impairment in our facility in Boo (Spain), of \$1,570 thousand, while in 2022 we recorded an impairment of \$11,559 thousand, and an impairment in our facilities in Monzón (Spain), and Mo I Rana (Norway) of \$5,915 thousand and \$15,749 thousand, respectively.

Europe - Silicon Metals

_		ember 31,
(\$ thousands)	2023	2022
Sales	307,230	536,753
Raw materials and energy consumption for production	(103,304)	(241,936)
Other operating income	40,321	76,255
Staff costs	(79,114)	(81,175)
Other operating expense	(71,632)	(99,513)
Depreciation and amortization charges	(6,325)	(4,605)
Other gain	79	230
Operating (loss) profit	87,255	186,009

Sales

Sales decreased \$229,523 thousand or 42.8%, from \$536,753 thousand for the year ended December 31, 2022 to \$307,230 thousand for the year ended December 31, 2023 and average selling prices decreased by 31.2% to \$3,422/MT in 2023 from \$4,978/MT in 2022. Total shipments decreased by 24%.

Raw materials and energy consumption for production

Raw materials and energy consumption decreased \$138,632 thousand, or 57.3%, from \$241,936 thousand for the year ended December 31, 2022 to \$307,230 thousand for the year ended December 31, 2023. Raw materials and energy consumption decreased driven by the French energy agreement benefit recorded in 2023 amounting to \$96,816 thousand and the decrease in overall shipments.

Other operating income

Other operating income decreased \$35,934 thousand, or 47.1%, from \$76,255 thousand for the year ended December 31, 2022 to \$40,321 thousand for the year ended December 31, 2023, primarily due to energy compensation received in France in 2023 and lower income related to the carbon dioxide emission allowances recognized in 2023.

Staff costs

Staff costs decreased \$2,061 thousand or 2.5%, from \$81,175 thousand for the year ended December 31, 2022 to \$79,114 thousand for the year ended December 31, 2023. The decrease is primarily due to a lower variable remuneration driven by our lower results during 2023.

Other operating expense

Other operating expense decreased \$27,881 thousand, or 28.0%, from \$99,513 thousand for the year ended December 31, 2022 to \$71,632 thousand for the year ended December 31, 2023, primarily driven by a decrease in distribution costs due to lower product volumes in 2023 compared to 2022.

Depreciation and amortization charges

Depreciation and amortization charges increased \$1,720 thousand, or 37.4%, from \$4,605 thousand for the year ended December 31,2022 to \$6,325 thousand for the year ended December 31, 2023, primarily due to property, plant and equipment additions.

Europe - Silicon Alloys

		cember 31,
(\$ thousands)	2023	2022
Sales	216,465	259,419
Raw materials and energy consumption for production	(108,409)	(139,687)
Other operating income	21,149	23,622
Staff costs	(42,069)	(50,467)
Other operating expense	(44,132)	(33,265)
Depreciation and amortization charges	(3,005)	(8,086)
Impairment (loss)	(3,619)	(26,028)
Other gain	47	82
Operating (loss) profit	36,427	25,590

Sales

Sales decreased \$42,954 thousand or 16.6%, from \$259,419 thousand for the year ended December 31, 2022 to \$216,465 thousand for the year ended December 31, 2023, and average selling prices decreased by 14,6% to \$2,766/MT in 2023 from \$3,240/MT in 2022. Total shipments decrease by 4.3%.

Raw Materials and energy consumption for production

Raw Materials and energy consumption decreased \$31,278 thousand, or 22.4%, from \$139,687 thousand for the year ended December 31, 2022 to \$108,409 thousand for the year ended December 31, 2023. Raw materials and energy consumption decreased driven by the French energy agreement benefit recorded in 2023 amounting to \$35,001 thousand.

Other operating income

Other operating income decreased \$2,473 thousand, or 10.5%, from \$23,622 thousand for the year ended December 31, 2022 to \$21,149 thousand for the year ended December 31, 2023, primarily due to energy compensation received in France in 2022.

Staff costs

Staff costs decreased \$8,398 thousand or 16.6%, from \$50,467 thousand for the year ended December 31, 2022 to \$42,069 thousand for the year ended December 31, 2023. The decrease is due to lower variable remuneration driven by the lower results in 2023.

Other operating expense

Other operating expense increased \$10,867 thousand, or 32.7%, from \$33,265 thousand for the year ended December 31, 2022 to \$44,132 thousand for the year ended December 31, 2023, primarily attributable to restructuring and legal provisions associated with the disposal of our Chateau Feuillet facility.

Depreciation and amortization charges

Depreciation and amortization charges decreased \$5,081 thousand, or 62.8%, from \$8,086 thousand for the year ended December 31, 2022 to \$3,005 thousand for the year ended December 31, 2023.

Impairment (loss)

Impairment loss decreased by \$22,409 thousand, from a loss of \$26,028 thousand for the year ended December 31, 2022 to a loss of \$3,619 thousand for the year ended December 31, 2023. During the year ended December 31, 2023, the Company recognized an impairment of \$3,619 thousand in relation to our tolling agreement with the plant in Cee, Spain, while in 2022 we recorded an impairment of \$20,034 thousand. Additionally in 2022 we also recorded an impairment of \$5,994 thousand at the Château Feuillet facility in France.

South Africa - Silicon Metals

		ember 31,
(\$ thousands)	2023	2022
Sales	50,071	17,337
Raw materials and energy consumption for production	(44,003)	(9,270)
Other operating income	594	156
Staff costs	(5,007)	(1,736)
Other operating expense	(11,223)	(2,649)
Depreciation and amortization charges	(1,840)	(748)
Impairment gain	478	5,357
Operating profit	(10,930)	8,447

Sales

Sales increased \$32,734 thousand, or 188.8%, from \$17,337 thousand for the year ended December 31, 2022 to \$50,071 thousand for the year ended December 31, 2023, mainly due to the restarting of the Polokwane facility.

Raw materials and energy consumption for production

Raw materials and energy consumption increased \$34,733 thousand, or 374.7%, from \$9,270 thousand for the year ended December 31, 2022 to \$44,003 thousand for the year ended December 31, 2023, driven by the increase in product volumes sold during 2023 due to incremental cost associated with the ramping up and restarting of the Polokwane facility.

Other operating income

Other operating income increased \$438 thousand, or 280.8%, from \$156 thousand for the year ended December 31, 2022 to \$594 thousand for the year ended December 31, 2023.

Staff costs

Staff costs increased \$3,271 thousand, or 188.4%, from \$1,736 thousand for the year ended December 31, 2022 to \$5,007 thousand for the year ended December 31, 2023. The increase in mainly due to the restarting of the Polokwane facility.

Other operating expense

Other operating expense increased \$8,574 thousand, or 323.7%, from \$2,649 thousand for the year ended December 31, 2022 to \$11,223 thousand for the year ended December 31, 2023. The increase in mainly due to the higher commercial expenses associated with higher volumes sold during 2023.

Depreciation and amortization charges

Depreciation and amortization charges increased \$1,092 thousand, or 146.0%, from \$748 thousand for the year ended December 31, 2022 to \$1,840 thousand for the year ended December 31, 2023.

Impairment gain

Impairment gain decreased \$4,879 thousand, from \$5,357 thousand for the year ended December 31, 2022 to \$478 thousand for the year ended December 31, 2023. This variance is mainly due to the partial reversal of the Polokwane impairment of \$5,017 thousand recorded in 2022.

South Africa - Silicon Alloys

_		ember 31,
(\$ thousands)	2023	2022
Sales	109,684	122,262
Raw materials and energy consumption for production	(82,201)	(65,373)
Other operating income	(142)	66
Staff costs	(10,412)	(11,652)
Other operating expense	(10,718)	(13,193)
Depreciation and amortization charges	(4,056)	(5,278)
Impairment gain	_	2,408
Operating profit	2,155	29,240

Sales

Sales decreased \$12,578 thousand, or 10.3%, from \$122,262 thousand for the year ended December 31, 2022 to \$109,684 thousand for the year ended December 31, 2023. Average selling prices decreased by 23.9% to \$2,087/MT in 2023 from \$2,740/MT in 2022. Total shipments of silicon metal remain stable in 2023 compared to 2022.

Raw materials and energy consumption for production

Raw materials and energy consumption for production increased \$16,828 thousand, or 25.8%, from \$65,373 thousand for the year ended December 31, 2022 to \$82,201 thousand for the year ended December 31, 2023. The increase is attributed to the higher energy cost.

Other operating income

Other operating income decreased \$208 thousand, or 315.5%, from \$66 thousand for the year ended December 31, 2022 to \$142 thousand for the year ended December 31, 2023.

Staff costs

Staff costs decreased \$1,240 thousand, from \$11,652 or 10.7% thousand for the year ended December 31, 2022 to \$10,412 thousand for the year ended December 31, 2023.

Other operating expense

Other operating expense decreased \$2,475 thousand, or 18.8%, from \$13,193 thousand for the year ended December 31, 2022 to \$10,718 thousand for the year ended December 31, 2023.

Depreciation and amortization charges

Depreciation and amortization charges decreased \$1,222 thousand, or 23.1%, from \$5,278 thousand for the year ended December 31, 2022 to \$4,056 thousand for the year ended December 31, 2023.

Impairment gain

Impairment gain decreased \$2,408 thousand, or 100%, from \$2,408 thousand for the year ended December 31, 2022 to nil for the year ended December 31, 2023. This variance is primarily due to the reversal of the Thaba Chueu Mining, Ltd impairment recorded in 2022.

Other segments

		ember 31,
(\$ thousands)	2023	2022
Sales	54,921	81,560
Raw materials and energy consumption for production	(35,280)	(46,759)
Other operating income	50,655	59,840
Staff costs	(36,027)	(37,483)
Other operating expense	(48,309)	(74,626)
Depreciation and amortization charges	(2,975)	(994)
Impairment gain (loss)	430	(5,514)
Other gain	30	495
Operating (loss)	(16,555)	(23,481)

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Sales decreased \$26,639 thousand, or 32.7%, from \$81,560 thousand for the year ended December 31, 2022 to \$54,921 for the year ended December 31, 2023, primarily due to a decrease in selling prices for our products.

Raw materials and energy consumption for production

Raw materials and energy consumption for production decreased \$11,479 thousand, or 24.5%, from \$46,759 thousand for the year ended December 31, 2022 to \$35,280 thousand for the year ended December 31, 2023, primarily due to lower costs as consequence of the lower production volumes.

Other operating income

Other operating income decreased \$9,185 thousand, or 15.3%, from \$59,840 thousand for the year ended December 31, 2022 to \$50,655 thousand for the year ended December 31, 2023, primarily due to an increase in the allocation of management fee charges that are eliminated during the consolidation process.

Staff costs

Staff costs decreased \$1,456 thousand, or 3.9%, from \$37,483 thousand for the year ended December 31, 2022 to \$36,027 thousand for the year ended December 31, 2023.

Other operating expense

Other operating expense decreased \$26,317 thousand, or 35.3%, from \$74,626 thousand for the year ended December 31, 2022 to \$48,309 for the year ended December 31, 2023, primarily due to a reduction of professional services costs.

Depreciation and amortization charges

Depreciation and amortization charges were \$994 thousand for the year ended December 31, 2022 and \$2,975 thousand for the year ended December 31,2023.

Impairment gain (loss)

Impairment losses decreased \$5,944 or 107.8%, from a loss of \$5,514 thousand for the year ended 31 December 2022 to a gain of \$430 thousand for the year ended 31 December 2023, primarily due to the impairment recorded in 2022 in our solar-grade silicon metal project in Puertollano, Spain, amounting to \$5,514 thousand.

Comparison of the years ended December 31, 2022 and 2021

For a discussion of the financial results and condition for the fiscal year ended December 31, 2021, please refer to "Item 5. Operating and financial review and prospects—A. Operating results—Comparison of the years ended December 31, 2022 and 2021" of our Annual Report on Form 20-F for the year ended December 31, 2022 filed on May 1, 2023.

Non-IFRS measures and reconciliation

In addition to our operating results, as calculated in accordance with IFRS as adopted by the IASB, the Company uses non-IFRS measures such as EBITDA, working capital and net debt for internal planning and performance measurement purposes. We believe these measures provide useful information about the financial performance of our operations that facilitates period-to-period comparisons on a consistent basis. Management uses EBITDA internally to evaluate our underlying operating performance for the reporting periods presented and to assist with the planning and forecasting of future operating results. Management believes that EBITDA is a useful measure of our performance because it reflects our cash generation potential from our operational activities excluding depreciation and amortization and miscellaneous adjustments, if any, for the period. These measures should not be considered individually or as a substitute for net income or operating income, as indicators of operating performance, or as alternatives to cash flow as measures of liquidity. Additionally, our calculation of EBITDA and other non-IFRS measures may be different from the calculation used by other companies, including our competitors in the mining industry, so our measures may not be comparable to those of other companies.

In this Annual Report, we present EBITDA, which we define as net profit (loss) attributable to the parent, adjusted by (i) profit (loss) attributable to non-controlling interest; (ii) income tax (benefit) expense; (iii) net finance expense; and (iv) depreciation and amortization charges; and we present FX Adjusted EBITDA, which we define as EBITDA adjusted by exchange differences. In addition, management may adjust the effect of certain types of transactions that in its judgment are not indicative of the Company's normal operating activities, or do not necessarily occur on a regular basis.

A reconciliation of EBITDA and FX Adjusted EBITDA to our net income (loss) for the years indicated is presented below:

	2023	2022	2021
Profit (loss) attributable to the parent	82,662	440,314	(110,624)
Profit (Loss) attributable to non-controlling interest	15,816	3,514	(4,750)
Income tax (benefit) expense	57,540	147,983	(4,562)
Net finance expense	33,371	58,741	148,936
Depreciation and amortization charges	73,532	81,559	97,328
EBITDA	262,921	732,111	126,328
Exchange differences	7,551	9,995	2,386
FX Adjusted EBITDA	270,472	742,106	128,714

We calculate working capital as (i) inventories, plus (ii) trade and other receivables, less (iii) trade and other payables. The Company believes that working capital is an important figure as it provides a relevant metric for the efficiency and liquidity of our operating activities.

The calculation of our working capital derived from our consolidated financial statements as of December 31, 2023 and 2022 is presented below:

	2023	2022
Inventories	383,841	500,080
Trade and other receivables	310,243	420,484
Trade and other payables	(183,375)	(219,666)
Working Capital	510,709	700,898

We calculate net debt as the summation of (i) bank borrowings excluding factoring agreements; (ii) debt instruments; and (iii) other financial liabilities; less (v) non-current restricted cash; (vi) current restricted cash; and (vii) cash and cash equivalents.

The calculation of our net debt derived from our consolidated financial statements as of December 31, 2023 and 2022 is presented below:

	2023	2022
Bank borrowings ⁽¹⁾	15,865	16,857
Debt instruments	154,780	343,442
Other financial liabilities	81,283	98,661
Non-current restricted cash	_	(2,133)
Current restricted cash	(1,179)	(2,875)
Cash and cash equivalents	(136,470)	(317,935)
Net Debt	114,279	136,017

⁽¹⁾ Bank borrowings exclude factoring programs

B. Liquidity and Capital Resources

Overview

The Company's financial resources are managed conservatively to fund our working capital requirements, capital expenditures, service our indebtedness and fund key initiatives underlying our strategic plan, including our ESG-related initiatives. Ferroglobe's core objective with respect to capital management is to maintain a balanced and sustainable capital structure through the economic cycles of the industries in which it participates, while keeping the cost of capital at competitive levels. The Company has historically managed these efforts through its cash flows from operations, long-term debt and share issuances, revolving lines of credit, funding from the Sociedad Estatal de Participaciones Industriales ("SEPI") and its factoring arrangements with third parties.

In July 2023, in coordination with the management of our liabilities and strengthened cash and cash equivalents position, the Company via its subsidiary issuers of the 9.375% Senior Secured Notes due 2025 (the "Notes") partially redeemed such Notes at 102.34375% of the principal amount plus accrued interest. The issuers elected to redeem an aggregate principal amount of \$150.0 million of the Notes plus accrued and unpaid interest of \$14,000 thousand. In February 2024, the Company completed the full redemption of the 9.375% Senior Secured Notes due 2025 at 102.34375% of the principal amount plus accrued interest. The issuers elected to redeem an aggregate principal amount of \$147,624 thousand of the Notes, the entire amount outstanding as of the redemption date, plus accrued and unpaid interest and call premium of \$4,075 thousand. The Notes were fully redeemed from the Company's cash and cash equivalents.

As of December 31, 2023 and 2022, Ferroglobe had cash, restricted cash and cash equivalents of \$137,649 thousand (of which \$1,179 thousand is restricted cash) and \$322,943 thousand (of which \$5,008 thousand is restricted cash), respectively. Cash and cash equivalents are primarily held in USD and EUR.

In addition to these resources, the Company believes that our working capital is sufficient for our present requirements, and we anticipate generating sufficient cash to satisfy our short and long-term liquidity needs.

Capital Expenditures

The Company's capital expenditures for the years ended December 31, 2023, 2022 and 2021 were \$83,679 thousand, \$52,153 thousand and \$27,597 thousand, respectively. These investments targeted expansion and productivity improvements, as well as, capitalizable repairs and maintenance.

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Debt comprises bank borrowings, obligations under leases, debt instruments, and other financial liabilities. As of December 31, 2023, the Company's total outstanding debt was \$310,998 thousand, consisting of \$61,535 thousand in short-term, including the current portion of long-term debt, and \$249,463 in long-term debt.

Our USD denominated debt as of December 31, 2023 was \$171,566 thousand (or 55% of our total debt), our EUR denominated indebtedness was \$131,429 million (or 42% of our total debt) and other denominated debt was \$8,003 thousand (or 3% of our total debt).

As of December 31, 2023, \$79,294 thousand (23% of total debt) bears interest at floating rates and \$275,726 thousand (77% of total debt) bears interest at fixed rates.

Long-term debt

The following discussion briefly describes our long-term debt arrangements as of December 31, 2023. For additional information, see the Notes to our consolidated financial statements

Reinstated and Super Senior Notes: In 2017, the Company issued \$350,000 thousand of 9.375% senior unsecured notes due in March 2022 (the "Notes"). Interest was payable semi-annually. In 2021, the Company effected a restructuring of these Notes, with the following terms:

- The Company exchanged 98.6% of the Notes due in 2022 (the "Old Notes") for total consideration of \$1,000 of principal amount, which is comprised of (i) \$1,000 aggregate principal amount of the new 9.375% senior secured notes due in 2025 (the "Reinstated Senior Notes") plus (ii) cash amount to \$51.6 million, which the Company's Parent applied as cash consideration for a subscription of new ordinary shares of the Company.
- · The Company issued \$60.0 million in new 9% senior secured notes due in 2025 ("Super Senior Notes").

In tandem with this restructuring, the Company issued new ordinary shares for total gross proceeds of \$40.0 million.

In March and July 2022, the Company fully redeemed both its Old Notes and its Super Senior Notes, respectively.

In July 2023, the Company partially redeemed the Reinstated Senior Notes, for an aggregate principal amount of \$150.0 million of the Notes plus accrued. In February 2024, the Company completed the full redemption of the 9.375% Senior Secured Notes due 2025 at 102.34375% of the principal amount plus accrued interest.

REINDUS Loan: In 2016, a Company subsidiary entered into a loan agreement with the Spanish Ministry of Industry, Tourism and Commerce (the "Ministry") to borrow an aggregate principal amount of €44,999 thousand (\$50,223 thousand) in connection with the industrial development projects related to a silicon project in Spain, at an annual interest rate of 3.6%. The Company is required to repay this loan in seven instalments commencing in 2023 and to be completed by 2030.

The Company commenced repayment of the loan, making a \in 16.3 million (\$17.4 million) payment in February 2023. See "Item 4.B.—Information on the Company—Business Overview—Research and Development (R&D)—Solar grade silicon" as well as Note 18 Other financial liabilities to our consolidated financial statements.

Québec Loan: In 2020, a Company subsidiary entered into a loan agreement with Investissement Québec to borrow an aggregate principal amount, interest-free, of CAD 7.0 million to finance its capital expenditures activities in Canada. The loan is to be repaid over a seven-year period, with payments deferred for the first three years from inception of the loan.

French Loan: In 2020, a Company subsidiary entered into a loan agreement with BNP Paribas to borrow an aggregate principal amount, interest-free, of ϵ 4,300 thousand (\$4,752 thousand), to finance the Company's activities in France. The French government guaranteed the loan in line with special measures taken in response to the COVID-19 pandemic. The loan is to be repaid by 2026. The Company is liable for a fee of 0.5% based on the total borrowed capital.

SEPI loan: In March 2022, Ferroglobe Spain Metals, S.A.U. (also "FG Spain", formerly Grupo FerroAtlántica, S.A.U.) and Ferroglobe Corporate Services (also "FG Corporate", formerly Grupo FerroAtlántica de Servicios) (together the "Beneficiaries") and the Sociedad Estatal de Participaciones Industriales ("SEPI"), a Spanish state-owned industrial holding company affiliated with the Ministry of Finance and Administration, entered into a loan agreement for €34.5 million. This loan is part of the SEPI fund intended to provide assistance to non-financial companies operating in strategically important sectors within Spain of the experienced hardships related to the COVID-19 pandemic.

Until the loans have been fully repaid, the Beneficiaries are subject to several restrictions, including: on the (i) payment of dividends; (ii) payment of management fee; (iii) repayment of intra-group loans; (iv) payment of intercompany net commercial balances that were outstanding as of June 30, 2021 (denominated "legacy"), with an exception of \$20.0 million of those balances. (Intercompany commercial balances generated after June 2021 are permitted); and (v) payment of interest on intercompany loans corresponding to the years 2022 and 2021, respectively.

North American revolving line of credit

In June 2022, a Company subsidiary entered into a five-year, \$100 million asset-based revolving credit facility (the "ABL Revolver"), with the Bank of Montreal as lender and agent. The maximum amount available under the ABL Revolver at any given moment is subject to a borrowing base test comprising North American inventory and accounts receivable. The revolver bears interest at SOFR plus a spread of between 150/175 basis points depending on levels of utilization. During the year ended December 31, 2023, the Company drew down \$1,000 thousand, which was fully repaid, yielding no balance as of the end of the year.

Under the ABL credit agreement, the borrowers commit not to, without lender consent, create or incur any indebtedness, capital leases in excess of a \$7.5 million, create liens, merge, dissolve, divide any borrowers, change the nature of the business, pay dividends, repay indebtedness for the account of holder of equity interests of any loan party or its affiliates, and maintain a financial covenant consolidated fixed charge coverage ratio to be less than 1.00 to 1.00.

Factoring arrangements

In October 2020, the Company signed a factoring agreement with a financial institution to anticipate the collection of receivables issued by the Company's European subsidiaries with the following main terms:

- maximum cash consideration advanced is up to €60.0 million;
- overcollateralization of 10% of accounts receivable as a guarantee provided to the Agent until the payment has been satisfied;
- a 0.18% to 0.25% fee charges on total invoices and credit notes sold to the Agent; and
- · a financing commission set at IBOR plus 1% charged on drawdowns;

Other conditions are set in relation to credit insurance policy which has been structured in an excess of loss policy where the first ϵ 5,000 thousand of bad debt losses are not covered by the insurance provider. The Company has assumed the cash collateralization for the entire excess of loss, as agreed in contractual terms.

In February 2022 the company signed a without recourse factoring agreement with Bankinter that offers the possibility to sell the receivables corresponding to 11 pre-approved customers by the bank and its credit insurer. Receivables are pre-financed at 100% of their face value.

The main characteristics of this program are the following:

- · maximum cash consideration advanced is up to €30,000 thousand;
- a 0.25% fee of the receivables face values;
- · a cost of financing at Euribor 12-month plus 1%;
- a closing fee of 0.25% of the financing; and
- an annual renewal fee of 0.25% of the financing

Availability of funds

As of December 31, 2023 and 2022, we had cash and cash equivalents, restricted cash and other restricted funds amounting to \$137,649 thousand and \$322,943 thousand, respectively. Please see Note 9 Financial assets and other receivables to our consolidated financial statements.

The Company also has certain restrictions in the partnerships with Dow as of December 31, 2023.

Ferroglobe PLC is the parent company of Ferroglobe Group and receives funding from its subsidiaries in the form of intercompany loans. Consequently, certain restrictions on the ability of the Group's subsidiaries to transfer funds to Ferroglobe PLC negatively affect our liquidity and thus our business.

Ferroglobe Spain Metals also has restrictions coming from the SEPI loans. Until the loans have been fully repaid, the company is subject to several restrictions, including the following prohibited payments: (1) payment of dividends; (2) payment of management fee; (3) repayment of intra-group loans; (4) payment of intercompany net commercial balances as of June 30, 2021 (denominated "legacy"), with an exception of \$20M of those balances (intercompany commercial balances generated after Jun-21 are permitted); and (5) payment of interest on intercompany loans corresponding to the years 2021 and 2022 (see Note 19).

Under the ABL credit agreement, the borrowers commit to respect usual affirmative covenants, among others communicating any default or event of default, a change of control, the creation of acquisition of subsidiaries, a casualty or damage to any material used as a collateral, maintenance of the insurance, the compliance with ERISA and the Canadian Pension Laws, the compliance with environmental laws. The borrowers also commit not to create or incur any indebtedness, capital leases in excess of a \$7.5m, create liens, merge, dissolve, divide any borrowers, change the nature of the business, pay dividends, repay indebtedness for the account of holder of Equity Interests of any Loan Party or its affiliates, maintain a financial covenant consolidated fixed charge coverage ratio to be less than 1.00 to 1.00.

Contractual Obligations

The following table sets forth Ferroglobe's contractual obligations and commercial commitments with definitive payment terms that will require significant cash outlays in the future, as of December 31, 2023.

	Payments Due by Period				
		Less than			More than
(\$ thousands)	Total	1 year	1 - 3 years	3 - 5 years	5 years
Non-current and current debt obligations	188,397	19,692	168,705		
Government loans	84,926	14,653	51,243	15,444	3,586
Bank borrowings	46,548	31,635	_	1,683	13,230
Capital expenditures	16,019	16,019	_	_	_
Leases	38,489	9,240	6,413	10,897	11,939
Power purchase commitments (1)	434,507	154,622	200,678	64,289	14,918
Purchase obligations (2)	16,714	16,714	_	_	_
Other non-current liabilities (3)	138,329	4,083	8,348	11,726	114,172
Total	963,929	266,658	435,387	104,039	157,845

- (1) Represents minimum charges that are enforceable and legally binding, and do not represent total anticipated purchases. Minimum charges requirements expire after providing one year notice of contract cancellation.
- (2) The Company has outstanding purchase obligations with suppliers for raw materials in the normal course of business. The disclosed purchase obligation amount represents commitments to suppliers that are enforceable and legally binding and do not represent total anticipated purchases of raw materials in the future.
- (3) Included tolling agreement with Cee-Dumbria facility and contingent consideration with Glencore

The table above also excludes certain other obligations reflected in our consolidated statements of financial position, including estimated funding for pension obligations, for which the timing of payments may vary based on changes in the fair value of pension plan assets and actuarial assumptions. We expect to contribute \$601 thousand to our pension plans for the year ended December 31, 2024.

Further information regarding Ferrogloble's contractual obligations and commercial commitments as of December 31, 2023, is set forth in Note 29 Financial risk management to the consolidated financial statements.

Cash Flows

Comparison of the years ended December 31, 2023 and 2022

The following table summarizes our cash flows for the periods indicated:

		Year ended December 31,	
(\$ thousands)	2023	2022	
Cash and cash equivalents at beginning of period	322,943	116,663	
Cash flows from operating activities	178,372	405,018	
Cash flows from investing activities	(81,806)	(51,774)	
Cash flows from financing activities	(282,147)	(140,458)	
Exchange differences on cash and cash equivalents in foreign currencies	287	(6,506)	
Cash, restricted cash and cash equivalents at end of period	137,649	322,943	
Cash, restricted cash and cash equivalents at end of period from statement of financial position	137,649	322,943	

Cash flows from operating activities

Cash flows from operating activities decreased \$226,646 thousand, from a positive cash generated of \$405,018 thousand for the year ended December 31, 2022, to a positive \$178,372 thousand for the year ended December 31, 2023. The change in cash flows from operating activities for the year ended December 31, 2023 was mainly due to (i)

a decrease of \$345.3 million in the profit for the year, from a net profit of \$443.8 million for the year ended December 31, 2022 compared with a net profit of \$98.5 million for the same period in 2023, (ii) a decrease of \$156.4 million in non-cash adjustments, predominantly driven by a decrease of \$90.4 million in income tax expense, and (iii) a decrease in other changes in operating assets and liabilities by \$112.9 million; mainly related to the energy receivable.

Cash flows from investing activities

Cash flows from investing activities increased \$30,032 thousand from an outflow of \$51,774 thousand for the year ended December 31, 2022, to an outflow of \$81,806 thousand for the year ended December 31, 2023. Capital expenditures increased during the year ended December 31, 2023 to \$83,679 thousand from \$52,153 thousand during the year ended December 31, 2022.

Cash flows from financing activities

Cash flows from financing activities decreased \$141,689 thousand, from a net outflow of \$140,458 thousand for the year ended December 31, 2022 to a net outflow of \$282,147 thousand for the year ended December 31, 2023. The decrease is mainly due to the partial redemption of the Reinstated Notes by \$150.0 million in July 2023, the repurchase of \$29 million of Reinstated Notes and the early partial repayment of \$17.4 million of Reindus loan in February 2023. In 2022, the Company repaid the principal of the Super Senior Notes amounting to \$60 million and the Old Notes amounting \$4.9 million, and repurchased \$19.05 million of the Reinstated Notes.

C. Research and Development, Patents and Licenses, etc.

For additional information see "Item 4.B.—Information on the Company—Business Overview—Research and Development (R&D)."

D. Trend Information

We discuss in Item 5.A. above and elsewhere in this Annual Report, trends, uncertainties, demands, commitments or events for the year ended December 31, 2023 that we believe are reasonably likely to have a material adverse effect on our revenues, income, profitability, liquidity or capital resources or to cause the disclosed financial information not to be necessarily indicative of future operating results or financial conditions.

E. Critical Accounting Estimates

Not applicable.

ITEM 7. MAJOR SHAREHOLDERS AND RELATED PARTY TRANSACTIONS

B. Related Party Transactions

The following includes a summary of material transactions with any: (i) enterprises that directly or indirectly through one or more intermediaries, control or are controlled by, or are under common control with us, (ii) associates, (iii) individuals owning, directly or indirectly, an interest in the voting power of the Company, that gives them significant influence over us, and close members of any such individual's family, (iv) key management personnel, including directors and senior management of such companies and close members of such individuals' families or (v) enterprises in which a substantial interest in the voting power is owned, directly or indirectly, by any person described in (iii) or (iv) or over which such person is able to exercise significant influence.

Grupo VM shareholder agreement

On November 21, 2017, we entered into an amended and restated shareholder agreement with Grupo VM (the "Grupo VM Shareholder Agreement"), as amended on January 13, 2021, and July 29, 2021 that contains various rights and obligations with respect to Grupo VM's Ordinary Shares, including in relation to the appointment of directors and dealings in the Company's shares. It sets out a maximum number of directors (the "Maximum Number") designated by Grupo VM (each, a "Grupo VM Director") dependent on the percentage of share capital in the Company held by Grupo VM. The Maximum Number is three, if Grupo VM's percentage of the Company's shares is greater than 25%; two if the percentage is greater than 15% but less than 25%; and one if the percentage is greater than 10% but less than 15%. As at the date of this Annual Report, the Board of Directors of the Company has three Grupo VM Directors pursuant to the Grupo VM Shareholder Agreement: Javier Lopez Madrid, Juan Villar-Mir de Fuentes and Manuel Garrido y Ruano. Additionally, Silvia Villar-Mir de Fuentes is affiliated with Grupo VM.

Under the Grupo VM Shareholder Agreement, Grupo VM has the right to submit the names of one or more director candidates (a "Grupo VM Nominee") to the Nominations Committee for consideration to be nominated or appointed as a director as long as it holds 10% or more of Company's shares. If the Nominations Committee does not recommend a Grupo VM Nominee for nomination or appointment or if the requisite approval of the Board of Directors is not obtained in accordance with the Articles, Grupo VM shall, in good faith, and as promptly as possible but in all cases within thirty days, submit the names of one or more additional (but not the same) Grupo VM Nominees for approval. Grupo VM shall continue to submit the names of additional (but not the same) Grupo VM Nominees until such time as the favorable recommendation of the Nominations Committee and requisite approval of the Board of Directors are obtained. On December 23, 2015, Grupo VM designated Javier López Madrid to serve as the Executive Chairman of the Board in connection with the closing of the Business Combination. Upon the resignation of Alan Kestenbaum as Executive Chairman of the Board effective December 31, 2016. Mr. López Madrid was Chairman of the Nominations and Governance Committee on May 26, 2023.

The Board of Directors are prohibited from filling a vacancy created by the death, resignation, removal or failure to win re-election (a "Casual Vacancy") of a Grupo VM Director other than with a Grupo VM Nominee. Grupo VM shall have the right to submit a Grupo VM Nominee for appointment to fill a Casual Vacancy only if the Casual Vacancy was created by the death, resignation, removal or failure to win re-election of a Grupo VM Director. Grupo VM does not have the right to submit a Grupo VM Nominee for appointment to fill a Casual Vacancy if the number of Grupo VM Directors equals or exceeds the Maximum Number. In connection with any meeting of shareholders to elect directors, the number of Grupo VM Nominees in the slate of nominees recommended by the Board of Directors must not exceed the Maximum Number.

Subject to certain exceptions, Grupo VM has preemptive rights to subscribe for up to its proportionate share of any shares issued in connection with any primary offerings. The Grupo VM Shareholder Agreement (i) also restricts the ability of Grupo VM and its affiliates to acquire additional shares and (ii) contains a standstill provision that limits certain proposals and other actions that can be taken by Grupo VM or its affiliates with respect to the Company, in each case, subject to certain exceptions, including prior Board approval. The Grupo VM Shareholder Agreement also restricts the manner by which, and persons to whom, Grupo VM or its affiliates may transfer shares. On February 3, 2016, during an in person meeting of our Board, the Board approved the purchase of up to 1% of the shares by Javier López Madrid in the open market pursuant to Section 5.01(b)(vi) of the Grupo VM Shareholder Agreement.

The Grupo VM Shareholder Agreement will terminate on the first date on which Grupo VM and its affiliates hold less than 10% of the outstanding Shares.

Agreements with executive officers and key employees

We have entered into agreements with our executive officers and key employees. See "Item 6.A.—Directors, Senior Management and Employees—Directors, Senior Management and Employees."

VM Energía and Energya VM

Under contracts entered into with FerroAtlántica S.A.U., ("FAU") on June 22, 2010 and December 29, 2010 (assigned to FerroAtlántica de Boo, S.L.U. ("FAU Boo") and to FerroAtlántica de Sabón, S.L.U. ("FAU Boó") in August 2019 in anticipation of the FAU Disposal), and with Hidro Nitro Española on December 27, 2012 (assigned to Ferroglobe Monzón (formerly FerroAtlántica del Cinca) when Hidro Nitro Española was sold in December 2018), VM Energía supplies the energy needs of the Boo, Sabón and Monzón electrometallurgy facilities, as a broker for FAU (FAU Boo or FAU Gabon, as appropriate) and Hidro Nitro Española (now Ferroglobe Monzón) in the wholesale power market. The contracts allow FAU (FAU Boo or FAU Sabon, as appropriate) and Hidro Nitro Española (now Ferroglobe Monzón) to buy energy from the grid at market conditions without incurring costs normally associated with operating in the complex wholesale power market, as well as to apply for fixed price arrangements in advance from VM Energía, based on the energy markets for the power, period and profile applied for. The contracts have a term of one year, which can be extended by the mutual consent of the parties to the contract. The contracts were renewed in January 2019 and again renewed in January 2021, the contracts were renewed for two years with the possibility to extend it for additional one-year periods unless terminated with thirty days' notice. On September 30, 2021 Ferroglobe Spain Metals (formerly Grupo FerroAtlántica, S.A.U) absorbed its subsidiaries FAU Boo and FAU Sabón assuming all the rights and obligations derived from those contracts. Those contracts were assigned from Villar Mir Energía SLU to Energya VM Gestión de Energía, SLU ("Energya VM") on October 15, 2022. The contracts were renewed in January 25, 2023 and amended in September 14, and November 29, 2023. On December 19, 2023, the agreements were renewed for an additional year. The relevant contracting party within the Ferroglobe group pays VM Energía a service charge in addition to paying

Under contracts entered into with Ferroglobe Ramsa Mining (formerly Rocas, Arcillas y Minerales SA) ("RAMSA") on December 3, 2010 and with Ferroglobe Cuarzos Industriales Mining S.A (formerly Cuarzos Industriales SA) ("CISA") on April 27, 2012, VM Energía supplied the energy needs of the mining facilities operated by those companies, as a broker for RAMSA and CISA in the wholesale power market. RAMSA and CISA are both subsidiaries of the Company operating in the mining sector. These agreements were superseded in 2019 by agreements entered into as of 15 March 2019 between VM Energía and each of RAMSA and CISA pursuant to which VM Energía provides equivalent intermediary services for term of one year, renewing annually. Those contracts were assigned from Villar Mir Energía SLU to Energya VM Gestión de Energía, SLU ("Energya VM") on September 27, 2022. The contracts were renewed in February 26, 2023 and again extended on December 19, 2023 for an additional year. For the fiscal year ended December 31, 2023, RAMSA and CISA's obligations to make payments to VM Energía or Energya VM under their respective agreements amounted to \$779 thousand and \$359 thousand respectively, in 2021, and \$351 thousand and \$353 thousand, respectively, in 2021).

Additionally, for the fiscal year ended December 31, 2023, 2022 and 2021, Enérgya VM invoiced other subsidiaries of Ferroglobe Spain Metals for a total amount of \$636 thousand, \$647 thousand and \$120 thousand, respectively.

In June 2020, Ferroglobe Monzón and VM Energía entered into a collaboration agreement by virtue of which VM Energía is allowed to use Monzón's grid connection point and high voltage electrical assets for a PV installation project, electricity from which will be supplied to Ferroglobe Monzón.

In February 2021, FerroAtlántica de Sabón and VM Energía entered into a collaboration agreement by virtue of which VM Energía is allowed to use Sabón's grid connection point and high voltage electrical assets for a PV installation project, electricity from which will be supplied to FerroAtlántica de Sabón. On September 30, 2021 Ferroglobe Spain

Metals (formerly Grupo FerroAtlántica, S.A.U) absorbed its subsidiary FAU Sabón assuming all the rights and obligations derived from this contract.

In November 2021 Ferroglobe Spain Metals entered into an agreement with VM Energía and Parque Eólico A Picota, S.L.U. (a VM Energía subsidiary) for a free assignment of 10% of the Guarantees of Origin of the total energy consumed by Ferroglobe Spain Metals for five (5) years when the wind farms start to produce (in 2023 according to the estimation). In January 2023, VME was denied authorization to construct the plants, so this agreement was amicably terminated.

In December 2021, Ferroglobe Spain Metals entered into an agreement with VM Energía to assist in the identification of counterparties and intermediation for the closing of long-term power purchase agreements. The agreement extended for a new three-months period and automatic renewals with a thirty day prior notice for its termination.

In December 2022, Ferroglobe Spain Metals and VM Energía entered into a Power Purchase Agreement (PPA). Under this PPA, VM Energía will supply to Sabón plant 65 GW on a pay as produced basis during 10 years from the commencement of operation of the Plants. This PPA will cover 10% of the total power consumption of the Sabón plant. In January 2023, VME was denied authorization to construct the plants, so the PPA was amicably terminated.

From March 1 to May 31, 2023, Ferroglobe Spain Metals entered into eleven swap contracts with Energya VM, its current power supplier, to pay a fix cost for the energy supplied to Sabón during those months. As of December 31, 2023, Ferroglobe Spain Metals obligations to make payments to Energya VM under this agreement amounted to \$1,239 thousand.

On September 14, 2023, Ferroglobe Spain Metals and Ferroglobe Monzón entered into voltage control center agreements for the three plants, Boo, Sabón and Monzón, necessary for the participation in the Active Response Demand system that will be effective in January 2024.

On October 31, 2023, Ferroglobe Spain Metals and Energya VM entered into a Power Purchase Agreement (PPA). Under this PPA, Energya VM will supply 30,000 Mwh/year from November 1st, 2023, to June 30, 2027.

On December 27, 2023, Ferroglobe Spain Metals and VM Energía entered into three Power Purchase Agreements (PPAs). Under those PPAs, VM Energía, or a VM Energía subsidiary, will supply to Sabón 368 GWh/year on a pay as produced basis during 10 years from the commencement of operation of the plants which is expected in 2028.

Other agreements with other related parties

Under the terms of a loan agreement entered into on 24 July 2015 between FerroAtlántica and Inmobiliaria Espacio, S.A. ("IESA"), the ultimate parent of Grupo VM, FerroAtlántica extended to IESA a credit line for treasury purposes of up to \$20 million, of which \$3.1 million (the "Loan") remains outstanding. The credit line runs year on year for a maximum period of 10 years and amounts outstanding under it (including the Loan) bear interest annually at the rate equal to the EURIBOR three month rate plus 2.75 percentage points. The availability of the credit line may be cancelled at the end of any year or at any time by IESA.

Additionally, as a result of a tax audit of the IESA tax group, a reassessment of its net operating losses (NOLs) was made within the members of the tax group with respect to fiscal years 2008 through 2012. In particular, additional NOLs were attributed to Grupo Ferroatlántica, S.A.U. (GFAT) and Ferroatlántica, S.A.U. (FAT). GFAT, as top parent company of a tax group to which FAT belonged to until fiscal year 2019, filed an amending corporate income tax (CIT) return of fiscal years 2016 and 2017. By way of this amending returns, the reassigned NOLs of FAT have been partially applied and consequently partial refund of the CIT paid in such fiscal years has been in the amount of \$592,378. To the extent that the negative results obtained by GFAT and FAT when forming part of the IESA tax group were duly paid each year, this refund corresponds to IESA. GFAT has granted to IESA a loan in the amount of the CIT refund requested (the CIT loan). Therefore, upon receiving the CIT refund, the CIT loan will be canceled under an assignment and offsetting agreement between GFAT and IESA. The CIT loan bears interest annually at 5.25% fix rate for one-year loan under Ferroglobe transfer pricing policy.

Calatrava RE, a Luxembourg affiliate of Grupo VM, is a reinsurer of the Company's global marine and property insurance programs. The property and marine cargo insurances are placed with Mapfre Global Risks S.A. with whom

the Company contracts for the provision of this insurance. There are no contracts directly in place between the Company and Calatrava RE.

C. Interests of Experts and Counsel

Not applicable.

ITEM 11. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK.

Ferroglobe operates in an international and cyclical industry which exposes it to a variety of financial risks such as currency risk, liquidity risk, interest rate risk, credit risk and risks relating to the price of finished goods, raw materials and power.

The Company's management model aims to minimize the potential adverse impact of such risks upon the Company's financial performance. Risk is managed by the Company's executive management, supported by the Risk Management, Treasury and Finance functions. The risk management process includes identifying and evaluating financial risks in conjunction with the Company's operations and quantifying them by project, region and subsidiary. Management provides written policies for global risk management, as well as for specific areas such as foreign currency risk, credit risk, interest rate risk, liquidity risk, the use of hedging instruments and derivatives, and investment of surplus liquidity.

Market risk

Market risk is the risk that the Company's future cash flows or the fair value of its financial instruments will fluctuate because of changes in market prices. The primary market risks to which the Company is exposed are foreign currency risk, interest rate risk and risks related to prices of finished goods, raw materials (principally coal and manganese ore) and power.

Foreign exchange rate risk

Ferroglobe generates sales revenue and incurs operating costs in various currencies. The prices of finished goods are to a large extent determined in international markets, primarily in USD and Euros. Foreign currency risk is partly mitigated by the generation of sales revenue, the purchase of raw materials and other operating costs being denominated in the same currencies. Although it has done so on occasions in the past, and may decide to do so in the future, the Company does not generally enter into foreign currency derivatives in relation to its operating cash flows.

In 2021, due to an occurrence of events and conditions that reduce the number of transactions in Euros, management conducted a review of the functional currency of the Parent Company and they concluded that there has been a change in its functional currency from Euro to USD, effective since October 1, 2021 (see Note 3.3 Basis of presentation - Functional and reporting currency to our consolidated financial statements).

Interest rate risk

Ferroglobe is exposed to interest rate risk in respect of its financial liabilities that bear interest at floating rates. These primarily comprise credit facilities and leases commitments for lease agreements under IFRS 16

As of December 31, the Company's interest-bearing financial liabilities were as follows:

	2023		
	Fixed rate	Floating rate	Total
	U.S.\$'000	U.S.\$'000	U.S.\$'000
Bank borrowings (Note 16)	15,865	30,683	46,548
Obligations under leases (Note 17)	_	28,387	28,387
Tolling agreement lease liability (Note 22)	37,863	_	37,863
Debt instruments (Note 18)	154,780	_	154,780
Other financial liabilities (Note 19)	57,218	20,224	77,442
	265,726	79,294	345,020

(*) Other financial liabilities comprise loans from government agencies (see Note 19 Other Financial Liabilities of the consolidated financial statements).

	2022		
	Fixed rate	Floating rate	Total
	U.S.\$'000	U.S.\$'000	U.S.\$'000
Bank borrowings (Note 16)	16,857	60,976	77,833
Obligations under leases (Note 17)	_	21,871	21,871
Debt instruments (Note 18)	343,442	_	343,442
Other financial liabilities (Note 19)	80,388	18,273	98,661
	440,687	101,120	541,807

(*) Other financial liabilities comprise loans from government agencies (see Note 19 Other Financial Liabilities of the consolidated financial statements).

Power risk

Power generally constitutes one of the larger expenses for most of Ferroglobe's products. Ferroglobe focuses on minimizing energy prices and unit consumption throughout its operations by concentrating its silicon and manganese-based alloy production during periods when energy prices are lower. In 2023, Ferroglobe's total power consumption was 5,834 gigawatt-hours (6,431 in 2022), with power contracts that vary across its operations.

In 2023, Ferroglobe has engaged discussions with energy companies to secure Purchasing Power Agreements ("PPAs") based on Solar and wind generation. Two wind PPAs were signed in 2023 with a total volume of 130 GWh at a fixed price between 77 and 50 EUR/MWh.

Certain of the Company's subsidiaries have their power needs covered by a three-year agreement ending in 2025. Regulation enacted in 2015 enables French subsidiaries of the Company to benefit from reduced transmission tariffs, interruptibility compensation (an agreement whereby the companies agree to interrupt production in response to surges in demand across the French electricity grid), as well as receiving compensation for indirect carbon dioxide costs under the EU Emission Trading System (ETS) regulation.

Credit risk

Credit risk refers to the risk that a customer or counterparty will default on its contractual obligations resulting in financial loss. The Company's main credit risk exposure related to financial assets is trade and other receivables.

Trade receivables consist of a large number of customers, spread across diverse industries and geographical areas. The Company has established policies, procedures and controls relating to customer credit risk management. Ongoing credit evaluation is performed on the financial condition of accounts receivable and, where appropriate, the Company insures its trade receivables with reputable credit insurance companies.

Since October 2020, the Company entered into a factoring program where the receivables of some of the Company's French and Spanish entities are advanced pursuant to a factoring arrangement. in February 2022, Ferroglobe Spain Metals (formerly Grupo FerroAtlántica, S.A) signed a without recourse factoring agreement with Bankinter.

Liquidity risk

The purpose of the Company's liquidity and financing policy is to ensure that the Company keeps sufficient funds available to meet its financial obligations as they fall due. The Company's main sources of financing are as follows:

· In 2021, the Company exchanged 98.6% of its 350 million 9.375% senior unsecured notes due in March 2022 ("Old Notes") for total consideration of \$1,000 of principal amount, which is comprised of (i) \$1,000 aggregate principal amount of the new 9.375% senior secured notes due in 2025 (the "Reinstated Senior Notes") plus (ii) cash amount to \$51.6 million, which the Company's Parent applied as cash consideration for a subscription of new ordinary shares of the Company.

In 2021, the Company issued \$60.0 million in new 9% senior secured notes due in 2025 ("Super Senior Notes"). In July 2022, the Super Senior Notes were redeemed at 100% of the principal amount thereof plus accrued interest.

- · In 2016, a Company subsidiary entered into a loan agreement with the Spanish Ministry of Industry, Tourism and Commerce (the "Ministry") to borrow an aggregate principal amount of €44.9 million (\$50.2 million) in connection with the industrial development projects relation to a silicon purification project at an annual interest rate of 3.6%. The Company is required to repay this loan in seven instalments commencing in 2023 and to be completed by 2030.
- · In October 2020, the Company signed a new factoring agreement with a financial institution for anticipating the collection of receivables of the Company's European subsidiaries. During 2023, the factoring agreement provided upfront cash consideration of \$431,274 thousand (\$835,388 thousand in 2022). The Company has repaid \$454,576 thousand (\$863,192 thousand in 2022), showing at December 31, 2023, an on-balance sheet bank borrowing debt of \$30,683 thousand (2022: \$\$56,157 thousand), (see Note 9 and 16 to our consolidated financial statements.)
- · In February 2022, Ferroglobe Spain Metals (formerly Grupo FerroAtlántica, S.A.) signed an additional factoring agreement with Bankinter. This program offers the possibility to sell the receivables corresponding to ten customers pre-approved by the bank and its credit insurer.
- · In June 2022, a Company subsidiary entered into a five-year, \$100 million asset-based revolving credit facility (the "ABL Revolver"), with the Bank of Montreal as lender and agent. The maximum amount available under the ABL Revolver is subject to a borrowing base test comprising North American inventory and accounts receivable.
- In 2020, a Company subsidiary entered into a loan agreement with BNP Paribas to borrow an aggregate principal amount, interest-free, of €4.5 million (\$5.3 million), to finance Company's activities in France. The French government guaranteed the loan in line with special measures taken in response to the COVID-19 pandemic. The loan is to be repaid by 2026. The Company is liable for a fee of 0.5% equal based on the total borrowed capital.
- · In 2020, a Company subsidiary entered into a loan agreement with Investissement Québec to borrow an aggregate principal amount, interest-free, of \$7.0 million to finance its capital expenditures activities in Canada. The loan is to be repaid over a seven-year period, with payments deferred for the first three years from inception of the loan.
- · On March 3, 2022, Ferroglobe Spain Metals, S.A.U. (also "FG Spain", formerly Grupo FerroAtlántica, S.A.U.) and Ferroglobe Corporate Services (also "FG Corporate", formerly Grupo FerroAtlántica de Servicios) (together the "Beneficiaries") and the Sociedad Estatal de Participaciones Industriales ("SEPI"), a Spanish state-owned industrial holding company affiliated with the Ministry of Finance and Administration, entered into a loan agreement of €34,500 thousand. This loan is part of the SEPI fund intended to provide assistance to non-financial companies operating in strategically important sectors within Spain in the wake of the COVID-19 pandemic.

Safe Harbor

This Annual Report contains forward-looking statements within the meaning of Section 27A of the U.S. Securities Act and Section 21E of the U.S. Exchange Act and as defined in the Private Securities Litigation Reform Act of 1995. See "Cautionary Statements Regarding Forward-Looking Statements."

Ferroglobe PLC



Jsing a black ink pen, mark your votes with an X as Please do not write outside the designated areas.	shown in this example.	Your vote matters - here's how to vote! You may vote online or by phone instead of mailing this card. Votes submitted electronically must be received by 00:01, British Summer Time, on June 17, 2024. Online Go to www.envisionreports.com/GSM or scan the QR code - login details are located in the shaded bar below. Phone Call toll free 1-800-652-VOTE (8683) within the USA, US territories and Canada Save paper, time and money! Sign up for electronic delivery at www.envisionreports.com/GSM
Annual Meeting Proxy Car	d	
· · · · · · · · · · · · · · · · · · ·	▼ IF VOTING BY MAIL, SIGN, DETACH AND RETURN THE BOTTOM PORTION	IN THE ENCLOSED ENVELOPE. ▼
Proposals – The Board recomme	nds a vote <u>FOR</u> Proposals 1 - 17	
For Against Abstain 7. 2.	For Against Abstain	+
The second secon	Signature 1 – Please keep signature within the	dministrator, corporate officer, trustee, guardian, or custodian, please give

2024 Annual Meeting Admission Ticket

2024 Annual Meeting of Ferroglobe PLC Shareholders

The 2024 Annual Meeting of Shareholders of Ferroglobe PLC will be held on Tuesday, June 18, 2024 at 13:00 (British Summer Time) at 13 Chesterfield Street, London W1J 5JN, UK

Upon arrival, please present this admission ticket and photo identification at the registration desk.

U.K. Annual Report and Accounts 2023

- THAT the directors' and auditor's reports and the accounts of the Company for the financial year ended 31 December 2023 (the "U.K. Annual Report and Accounts") be received. Directors' 2023 Remuneration Report
- THAT the directors' annual report on remuneration for the year ended 31 December 2023 (excluding, for the avoidance of doubt, any part of the Directors' remuneration report containing the directors' remuneration policy), as set out on pages 35 to 36 and 50 to 61 of the U.K. Annual Report and Accounts be approved.

Authority for certain donations and expenditure

THAT, in accordance with Part 14 of the Companies Act and in substitution for any previous authorities given to the Company (and its subsidiaries), the Company (and all companies that are subsidiary of the Company at any time during the period for which this resolution has effect) be authorized to: (i) make political donations to political parties or independent election candidates: (ii) make political donations to political organizations other than political parties, and (iii) incur political expenditure, in each case, as such terms are defined in the Companies Act, provided that with respect to each of the foregoing categories, any such donations or expenditure made by the Company, or a subsidiary of the Company, do not in the aggregate exceed £100,000. Such authority shall expire at the conclusion of the Company's next annual general meeting. For the purposes of this resolution, the authorized sum may comprise sums in different currencies that shall be converted at such rate as the Board may in its absolute discretion determine to be appropriate.

Authority to Make Purchases of Own Shares Off-market

THAT, for the purposes of section 694 of the Companies Act, the terms of the buyback contract to be entered into between the Company and any or all of J.P. Morgan Securities LLC, BMO Capital Markets Corp. and Santander US Capital Markets LLC, respectively (in the forms produced to this meeting and made available at the Company's registered office for not less than 15 days ending with the date of this meeting) are approved and the Company be authorized to undertake off-market purchases (within the meaning of section 693(2) of the Companies Act) of its ordinary shares of US \$0.01 pursuant to such contracts, provided that (i) the maximum aggregate number of ordinary shares hereby authorized to be purchased is 37,776,463, representing approximately 20% of the issued ordinary share capital, and (ii) additional restrictions under applicable U.S. securities laws are substantially complied with,

including (but not limited to) the pricing limitations under Rule 10b-18(b)(3) of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act"), the volume limitations under Rules 10b-18(b)(4) and 10b-18(c)(2) of the Exchange Act, the timing limitations under Rules 10b-18(b)(2) and 10b-18(c)(1) and the requirements with respect to the use of brokers or dealers under Rule 10b-18(b)(1) of the Exchange Act.

Such authority shall expire at the close of business on the fifth anniversary of the passing of this resolution, but during this five year period the Company may agree to purchase ordinary shares pursuant to any such approved contract, even if such purchase would, or might, be completed or executed wholly or partly after the authority ends and the Company may purchase such ordinary shares pursuant to any such approved contract as if the authority had not ended. This authority shall apply from the conclusion of the Annual General meeting until a date which is five years from the date of the Annual General Meeting.

ctors' Re election

- THAT Javier Lónez Madrid be re elected as a director.
- THAT Marco Levi be re elected as a director.
- THAT Marta de Amusategui y Vergara be re-elected as a director. THAT Bruce L. Crockett be re elected as a director.
- THAT Stuart E. Eizenstat be re elected as a director.
- THAT Manuel Garrido y Ruano be re elected as a director. THAT Juan Villar Mir de Fuentes be re elected as a director.
- THAT Belen Villalonga Morenés be re elected as a director.
- THAT Silvia Villar-Mir de Fuentes be re elected as a director.
- THAT Nicolas De Santis be re elected as a director. THAT Rafael Barrilero Yarnoz be re elected as a director.
- appointment of Auditor
- THAT KPMG LLP be re-appointed as auditor of the Company to hold office from the conclusion of the Annual General Meeting until the conclusion of the next general meeting at which accounts are laid before the Company.

uneration of Auditor

THAT the Audit Committee of the Board be authorized to determine the auditor's remuneration.

▼ IF VOTING BY MAIL, SIGN, DETACH AND RETURN THE BOTTOM PORTION IN THE ENCLOSED ENVELOPE. ▼

Proxy – Ferroglobe PLC

Proxy Solicited by Board of Directors for Annual Meeting – June 18, 2024

The undersigned hereby appoints the Company's Executive Chairman or Company Secretary, each individually and each with powers of substitution, as proxies for the undersigned to vote all of the Ordinary Shares the undersigned may be entitled to vote at the Annual General Meeting of Shareholders of Ferroglobe PLC called to be held at 13:00 (British Summer Time) on Tuesday, June 18, 2024 at 13 Chesterfield Street, London, W1J 5JN, UK, or any adjournment or postponement thereof in the manner indicated on the reverse side of this proxy, and upon such other business as may lawfully come before the meeting or any adjournment or postponement thereof. The undersigned acknowledges receipt of the Notice of Annual General Meeting of Ferroglobe PLC. The undersigned revokes any proxy or proxies previously given for such shares. The undersigned ratifies and confirms any actions that the persons holding the undersigned's proxy, or their substitutes, by virtue of this executed card take in accordance with the proxy granted hereunder. IF NO DIRECTION AS TO THE MANNER OF VOTING THE PROXY IS MADE, THE PROXY WILL BE VOTED "FOR" THE RESOLUTIONS IN PROPOSALS 1 THROUGH 17 AS INDICATED ON THE REVERSE SIDE HEREOF.

You are encouraged to specify your choices by marking the appropriate boxes (SEE REVERSE SIDE) but you need not mark any boxes if you wish to vote in accordance with the Board of Directors' recommendations. This proxy, when properly executed, will be voted in the manner directed herein. The Board of Directors recommends a vote "FOR" Proposals 1 - 17.

(Items to be voted appear on reverse side.)

C Non-Voting Items			
Change of Address — Please print new address below.	Comments — Please print your comments below.	Meeting Attendance Mark box to the right if you plan to attend the Annual Meeting.	
			+