

European Critical Raw Materials for the Green Transition

March 2024



Disclaimer

The information contained in this confidential document ("Presentation") has been prepared by Beowulf Mining Plc (the "Company"). It has not been fully verified and is subject to material updating, revision and further amendment. This Presentation has not been approved by an authorised person in accordance with Section 21 of the Financial Services and Markets Act 2000 ("FSMA") and therefore it is being delivered for information purposes only to a very limited number of persons and companies who are persons who have professional experience in matters relating to investments and who fall within the category of person set out in Article 19 of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the "Order") or are high net worth companies within the meaning set out in Article 49 of the Order or are otherwise permitted to receive it. Any other person who receives this Presentation should not rely or act upon it. By accepting this Presentation and not immediately returning it, the recipient represents and warrants that they are a person who falls within the above description of persons entitled to receive the Presentation. This Presentation is not to be disclosed to any other person or used for any other purpose.

SP Angel Corporate Finance LLP ("SP Angel") and Alternative Resource Capital, a trading name of Shard Capital Partners LLP "(ARC") are acting in the provision of corporate finance business to the Company, within the meaning of the Financial Conduct Authority's Conduct of Business Sourcebook ("COBS"), and no-one else in connection with the proposals contained in this Presentation. Accordingly, recipients should note that SP Angel and ARC are neither advising nor treating as a client any other person and will not be responsible to anyone other than the Company for providing the protections afforded to clients of SP Angel and ARC under the COBS nor for providing advice in relation to the proposals contained in this Presentation.

While the information contained herein has been prepared in good faith, neither the Company nor any of its shareholders, directors, officers, agents, employees or advisers give, have given or have authority to give, any representations or warranties (express or implied) as to, or in relation to, the accuracy, reliability or completeness of the information in this Presentation, or any revision thereof, or of any other written or oral information made or to be made available to any interested party or its advisers (all such information being referred to as "Information") and liability therefore is expressly disclaimed. Accordingly, neither the Company nor any of its shareholders, directors, officers, agents, employees or advisers take any responsibility for, or will accept any liability whether direct or indirect, express or implied, contractual, tortious, statutory or otherwise, in respect of, the accuracy or completeness of the Information or for any of the opinions contained herein or for any errors, omissions or misstatements or for any loss, howsoever arising, from the use of this Presentation.

This Presentation may contain forward-looking statements that involve substantial risks and uncertainties, and actual results and developments may differ materially from those expressed or implied by these statements. These forward-looking statements are statements regarding the Company's intentions, beliefs or current expectations concerning, among other things, the Company's results of operations, financial condition, prospects, growth, strategies and the industry in which the Company operates.

By their nature, forward-looking statements involve risks and uncertainties because they relate to events and depend on circumstances that may or may not occur in the future. These forward-looking statements speak only as of the date of this Presentation and the Company does not undertake any obligation to publicly release any revisions to these forward-looking statements to reflect events or circumstances after the date of this Presentation.

Neither the issue of this Presentation nor any part of its contents is to be taken as any form of commitment on the part of the Company to proceed with any transaction and the right is reserved to terminate any discussions or negotiations with any prospective investors. In no circumstances will the Company be responsible for any costs, losses or expenses incurred in connection with any appraisal or investigation of the Company. In furnishing this Presentation, the Company does not undertake o agree to any obligation to provide the recipient with access to any additional information or to update this Presentation or to correct any inaccuracies in, or omissions from, this Presentation which may become apparent.

This Presentation should not be considered as the giving of investment advice by the Company or any of its shareholders, directors, officers, agents, employees or advisers. In particular, this Presentation does not constitute an offer or invitation to subscribe for or purchase any securities and neither this Presentation nor anything contained herein shall form the basis of any contract or commitment whatsoever. Each party to whom this Presentation is made available must make its own independent assessment of the Company after making such investigations and taking such advice as may be deemed necessary. In particular, any estimates or projections or opinions contained herein necessarily involve significant elements of subjective judgment, analysis and assumptions and each recipient should satisfy itself in relation to such matters

Neither this Presentation nor any copy of it may be (a) taken or transmitted into Australia, Canada, Japan, the Republic of Ireland, the Republic of South Africa or the United States of America (each a "Restricted Territory"), their territories or possessions; (b) distributed to any U.S. person (as defined in Regulation S under the United States Securities Act of 1933 (as amended)) or (c) distributed to any individual outside a Restricted Territory who is a resident thereof in any such case for the purpose of offer for sale or solicitation or invitation to buy or subscribe any securities or in the context where its distribution may be construed as such offer, solicitation or invitation, in any such case except in compliance with any applicable exemption. The distribution of this document in or to persons subject to other jurisdictions may be restricted by law and persons into whose possession this document comes should inform themselves about, and observe, any such restrictions. Any failure to comply with these restrictions may constitute a violation of the laws of the relevant jurisdiction



Developing a portfolio of critical minerals

Delivering European minerals for a sustainable future



Portfolio of European critical minerals

- Listed on AIM (UK) and Spotlight (Sweden)
- Focused on delivering shareholder returns

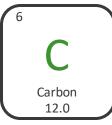




Iron ore for Green Steel

- High-grade, low-impurity concentrate
- Growing demand in Europe (and globally)

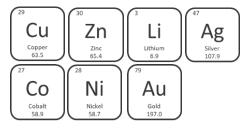




Graphite anode material for Li-ion batteries

- Developing Graphite Anode Materials Plant
- One of Europe's largest flake graphite resources





Portfolio of European exploration assets

- Focus on base and precious metals
- Targeting discovery of critical minerals





Capital Raise ongoing

Funding to progress projects through key milestones

Deal structure:

- Rights Issue of up to 1,035,553,623 SDRs at SEK 0.08 for approx. SEK 82.8m (~£6.3m)
- Underwriting of SDR issue to SEK 50m (~£3.8m)
- PrimaryBid retail offer in UK of up to 266,282,272 shares at 0.61p for approx. SEK 21.2m (~£1.6m)
- Total potential raise: SEK 104.1m (~£8.0m)

Indicative timetable*:

Announcement of terms: 4 March 2024

• General Meeting: 5 March 2024

• Prospectus published in Sweden: 12 March 2024

• Subscription period: 13 March 2024 - 27 March 2024

Announcement of the results of the Capital Raise: 3 April 2024

• Admission of new shares and SDRs: 18/19 April 2024

Share details (as at 1 March 2024):

Shares in issue: 1,157,187,463

• Market Capitalisation: £13.9m



^{*}Dates are indicative only and may be adjusted by the Company in consultation with the Company's advisers, in which event details of the new times and dates will be notified to the London Stock Exchange and Spotlight.

Use of Proceeds*

Funding to progress projects through key milestones

Jokkmokk Iron:	£3.0m	/	SEK 39.8m
 Complete Kallak Pre-Feasibility Study 			
 Complete Kallak Environmental Impact Assessment 			
 Submission of Environmental Permit 			
Grafintec:	£2.1m	/	SEK 27.4m
 Complete GAMP Pre-Feasibility Study 			
 Complete GAMP Environmental Impact Assessment 			
 Advance exploration assets 			
Vardar:	£o.3m	/	SEK 4.1m
 Advance exploration portfolio 			
Repayment of Bridge Loan:	£o.8m	/	SEK 10.8m
Group Working Capital/ Overhead:	£o.5m	/	SEK 6.9m
Equity funding	£6.8m	/	SEK 89.0m

^{*}Use of Net Proceeds assuming a fully subscribed Capital Raise (i.e. both Rights Issue & UK-Issue)



Scandinavia benefits from cheap, clean power

Driving both Green Steel and Gigafactory investment

Steel industry

- 7% of global CO2 emissions (5% in EU)
- €130b annual revenues in Europe
- Employs 306,000 people in Europe

Green Steel – reduces emissions by ~95%

H2green steel

€1.5b equity in Sept 2023

€3.5b of conditional debt commitments

Located in Boden, 170km from Kallak



Targeting €4b plant in Finland

Plan to build pellet plant in Norway



JV between LKAB, SSAB and Vattenfall

►►► FOSSIL-FREE STEEL Targeting production by 2030

Giga factories

- 40 plants for €30b planned in Europe
- 69GWh in 2022
 - > 238-286GWh in 2025
 - > 413-616GWh in 2027
 - > 773-1,395GWh in 2030



€17.3b capital raised

€27b in contracts secured (€14b Volkswagen)



Initial plant at Mo i Rana, Norway

Further plant considered in US and Vaasa, Finland

MORHOW

Initial plant at Arendal, Norway in 2024

Targeting 43GWh by 2028



Planned site with Northvolt in Gothenburg



BEOWULF MINING plc

Location advantage 6

Building blocks for a sustainable future

ESG embedded throughout the company

Sustainability approach driven by:

- Transparency and Accountability
- Stakeholder Engagement
- Environmental Stewardship
- Corporate Governance
- Innovation and Technology

Beowulf plans to:

- Build a sustainable minerals business
- Adopt innovation and technology
- Target carbon neutrality
- Support the green transition
- Generate value for all stakeholders

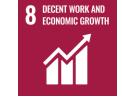
















Note: The Company is contributing towards the above UN Sustainable Development Goals. Further information on the UN SDGs can be found here: https://sdgs.un.org/goals

The Company has also adopted the following Disclosure Topics listed by the Sustainability Accounting Standards Board for the Metals and Mining sector (https://www.sasb.org/standards/) as material to the Company's stakeholders: Energy Management; Water Management; Biodiversity Impacts; Security, Human Rights & Rights of Indigenous Peoples; Community Relations; and Business Ethics & Transparency



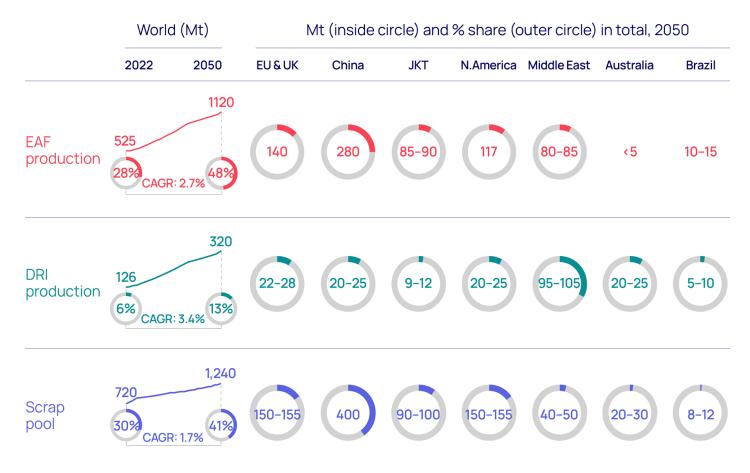
High-grade iron ore: demand forecast to grow

Decarbonisation of steel to drive demand of low carbon feedstocks, primarily DRI

- Decarbonisation is transforming the supply and trade of iron and steel
- Electric Arc Furnaces (EAFs) are replacing highly polluting Blast Furnaces (BFs)
- Low-carbon feedstocks, primarily DRI, will be essential to support EAF capacity.
- DRI produced with green hydrogen offers a real route to delivering lowcarbon steel
- New hubs will develop in countries with abundant low-cost renewables energy and competitive green hydrogen capacity

Source: Wood Mackenzie







Kallak: high-grade, low-impurity iron ore

Critical product to decarbonise the steel industry

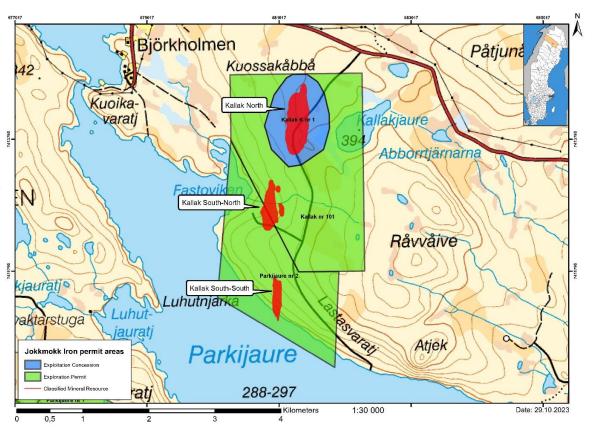
- Potential to produce unique high-grade concentrate
- Strong demand from domestic and international markets
- Well located for infrastructure: rail ~40km; range of port options
- Access to low-cost, clean energy
- Exploitation concession received and scoping study completed
- Further exploration upside

Kallak North Mineral Resource Estimate:

Classification Category	Tonnes (Mt)	Fe _{total} %	FeO %	SiO ₂ %	Al ₂ O ₃ %	P %	S %
Measured	16	33.6	10.5	43.4	2.9	0.04	0.002
Indicated	95	27	7.1	49.8	4.5	0.03	0.002
Meas+Ind	111	28.0	7.6	48.9	4.3	0.03	0.002
Inferred	25	28.3	7.8	48.1	4.2	0.04	0.002

^{*}Accompanying notes:

High-grade, low-impurity



10



⁽¹⁾ Mineral Resources which are not Mineral Reserves have no demonstrated economic viability

⁽²⁾ The effective date of the Mineral Resource is 09 May 2021 (reported under PERC 2017).

⁽³⁾ The Open Pit Mineral Resource statement was constrained within lithological and grade-based solids and within an optimised pit shell defined by the following assumptions; base case metal price of USD130 / tonne for a 65% Fe concentrate; Fe recovery of 71% at Kallak North; Fe concentrate grades of 68% at Kallak North; Processing costs of USD6.8 / t wet; Selling cost of USD21.0 / t wet concentrate; Mining cost of mineralised material of USD3.3 / t, mining cost of waste of USD3.0 / t and an incremental mining cost per 10 m bench of USD0.05 / t; Wall angles of 30° within the overburden and 47.5° in the fresh rock.

⁽⁴⁾ Mineral Resources have been classified according to the PERC Standards 2017, by Howard Baker (FAusIMM(CP)), an independent Competent Person as defined in the PERC Standard 2017.

Kallak North Iron Ore Project

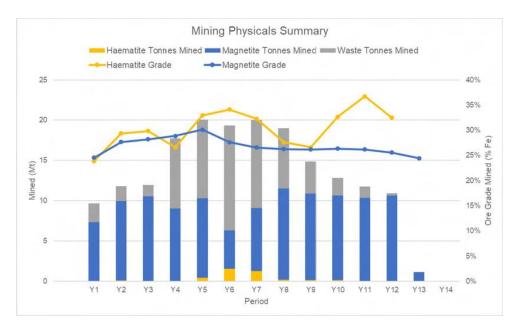
Project parameters

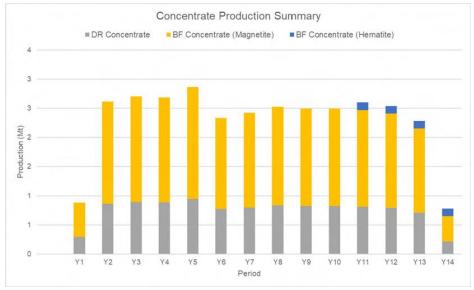
Scoping Study completed on Kallak North Deposit:

- Open pit mine
- Mining ~9Mtpa of ore
- Producing ~2.5Mtpa of high-grade, low-impurity concentrate
- Initial 14 year mine-life

<u>Physical Parameters</u>	
Mining rate (Mtpa)	14
Total Ore Mined (Mt)	114
Strip Ratio (waste/ore)	0.5
Processing throughput (Mtpa)	9
Total concentrate produced (Mt)	32
Concentrate production (Mtpa)	2.5
Average concentrate grade (Fe %)	69%

Economic parameters	
Initial Capital (US\$m)	386
Contingency - 20% (US\$m)	77
Sustaining Capital (US\$m)	138
Mining costs (US\$/t mined)	2.85
Processing costs (US\$/t processed)	6.30
Transport & Logistics (US\$/t processed)	7.07
Other (US\$/t processed)	1.03
Total Operating Costs (US\$/t processed)	18.79





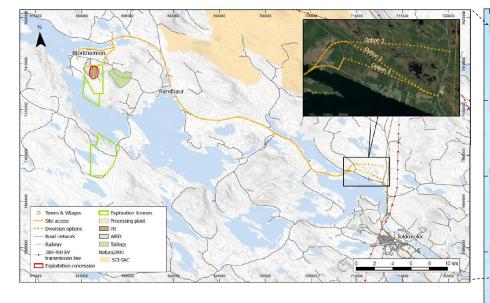


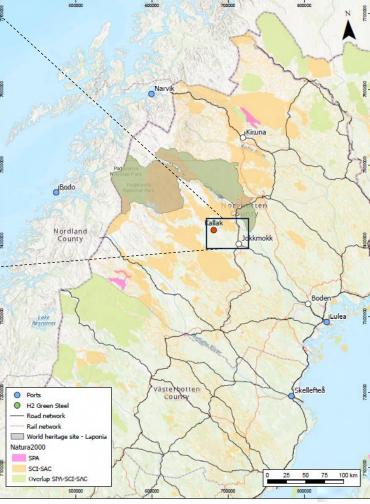
Infrastructure & Logistics

Well located for infrastructure

Well located to access:

- Low-cost, clean energy
- Road and rail
- Multiple port options
- Domestic consumers





Distances (km):

	Road	Road to Jokkmokk and then Rail
Inlandsbanan	46	
Lulea	205	349
Pitea	221	364
Skellefteå	298	458
Narvik	419	402
Boden	169	309



Current workstreams

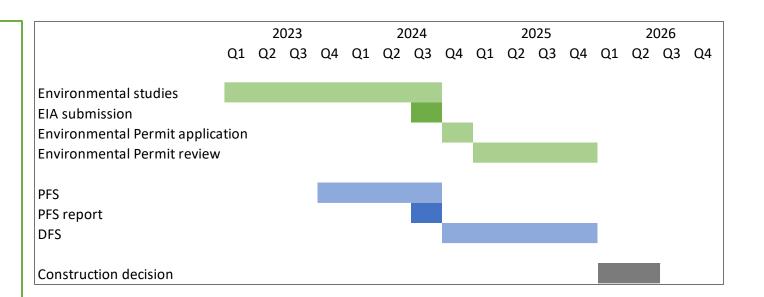
Focus on developing a world class mine

Environmental:

- Completing Environmental Impact Assessment (EIA)
- Nature values including biodiversity, flora and fauna
- Sound and vibration monitoring
- Hydrology studies
- Cultural heritage survey
- Ongoing stakeholder engagement

Technical:

- Initiated Pre-Feasibility Study (SLR Consulting Ltd)
- Metallurgical testwork underway



13



Kallak advantage

Targeting a premium product

Premium product:

- Critical for decarbonising steel industry
- Highly sought after for domestic and international markets
- Enhanced economics
- Focus on developing a sustainable world class mine
- Further upside potential from Kallak South deposits

Scoping study base cas	<u>se parameters</u>	<u>Upside potential</u> ³
NPV at 8%:	US\$177m	US\$895m
IRR:	14.5%	33.1%
Payback period:	4.5 years	2.8 Years
Concentrate split:	67% BF ¹ , 33% DR ¹	67% BF, 33% DR
BF price:	US\$109/dmt ²	US\$165/dmt
DR price:	US\$125/dmt ²	US\$181/dmt

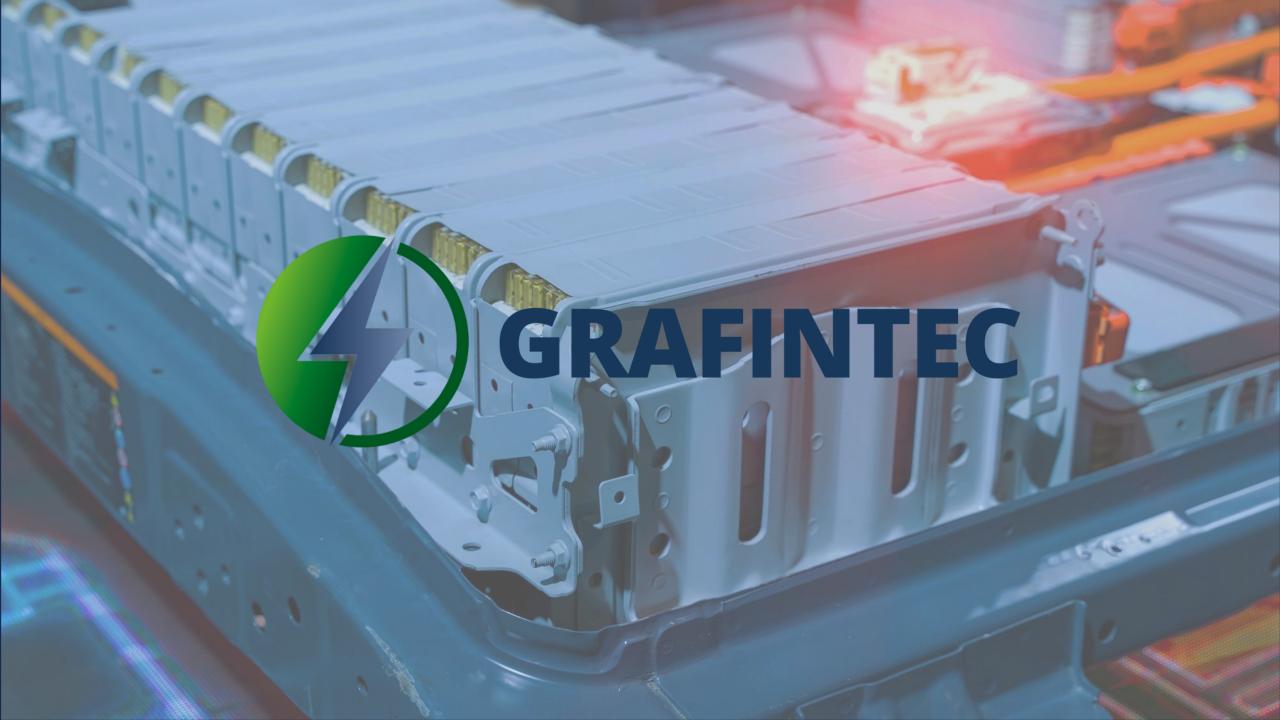


Notes:

- 1. BF Blast Furnace feed and DR Direct Reduction feed
- 2. Scoping Study pricing assumptions assume premia archived over Platts 62% Fe benchmark price of US\$80/dry metric tonne ("dmt")
- 3. Management Case assumes the same premia achieved as with Scoping Study but uses the 3-year average price of the NYMEX Iron Ore 62% Fe benchmark of US\$135.59/t. Current NYMEX Iron Ore 62% Fe spot price is US\$141.45/t



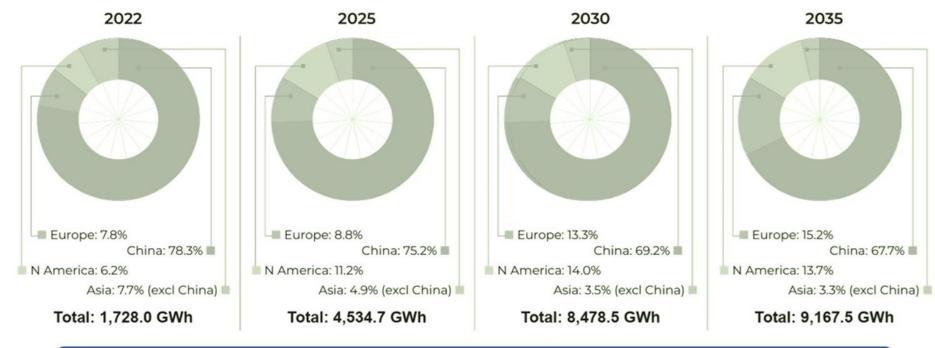
Significant upside



Strong growth in European batteries

Driving demand for Graphite Anodes





For European Cell Manufacturing

7.8% of 1,728.0 GWh = **134.78 GWh** 1,200 tonnes of graphite anode per GWh **Demand = 161,736 tonnes** 8.8% of 4,534.7 GWh = **399.05 GWh** 1,200 tonnes of graphite anode per GWh **Demand = 478,860 tonnes** 13.3% of 8,478.5 GWh = **1,127.64 GWh**1,200 tonnes of graphite anode per GWh
Demand = **1,353,168 tonnes**

15.2% of 9,167.5 GWh = **1,393.46 GWh**1,200 tonnes of graphite anode per GWh
Demand = **1,672,152 tonnes**

Source: Benchmark Mineral Intelligence March 2023



Grafintec

Aiming to be a European leader in the sustainable supply of anode material

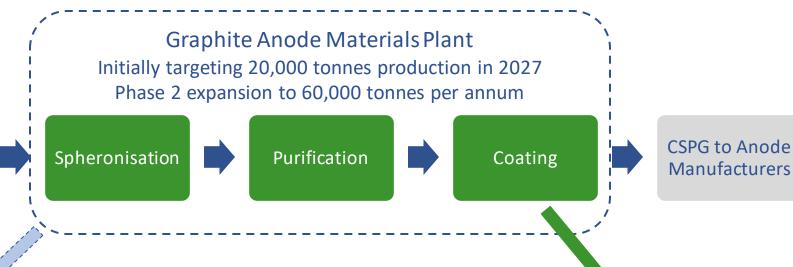
- Anode Materials
 Production
- Anode Materials Development of anode materials production facility in Finland
 - Established partnerships to provide an integrated solution
 - Advanced discussions with several mines to secure supplies of imported raw material in the short term
- Primary Raw Material
- · Aitolampi graphite project provides long-term security of supply
- Total Indicated and Inferred Mineral Resource of 26.7Mt at 4.8% for 1,275,000 t of contained graphite
- Exploration upside with other graphite prospects
- Sustainability, Transparency and Security
- Sustainability focus
- Local/optimised/seamless/ESG certified supply chain
- Powered by renewable electricity
- Key role in the Finnish battery cluster





Graphite Anode Materials Production in Finland

Site reserved at GigaVaasa Energy Industrial Hub











Updated PFS for full process route underway.
Economics pending

Import of

Mined Graphite

Concentrate



Preliminary Economics of Coating Stage			
Production Capacity	20,000tpa		
Post-tax NPV ₈ (Pre-tax NPV ₈)	US\$242m (US\$313m)		
Post-tax IRR (Pre-tax IRR)	39% (45%)		
Capex	US\$117m		

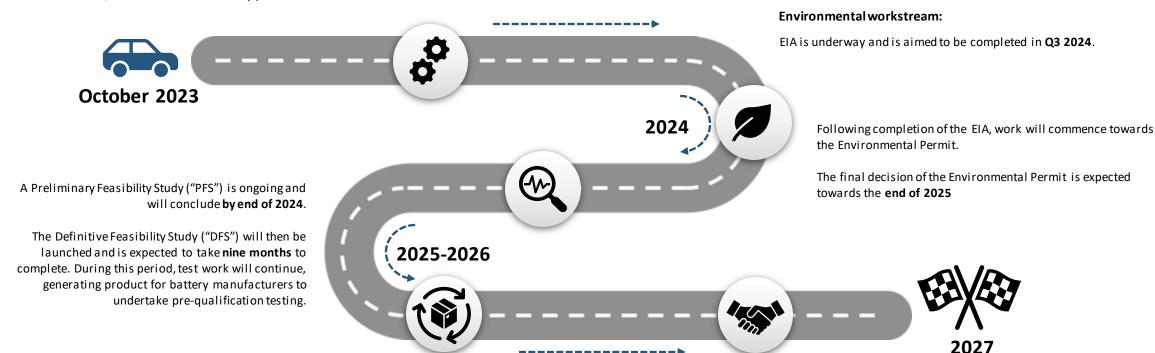


Development Timeline

Environmental and Technical Workstreams

Technical workstream:

The project is advancing with bench-scale test work that commenced in October, which is to be followed by pilot-scale test work.



With the successful conclusion of the Environmental and Technical workstreams listed above, the GAMP project will enter Front-End Engineering Design (FEED), financing and ultimately construction phases with first production targeted for 2027.



Focused on delivery

Strategic resources

One of Europe's largest flake graphite deposits

Aitolampi

Mineral resource

- Indicated and Inferred 26.7Mt at 4.8% graphite for 1,275,000 tonnes of contained graphite (Indicated and Inferred)
- Several untested EM conductive areas

Metallurgical testwork

- 96.8% to 97.5% graphite concentrates produced suitable as a pre-cursor for graphite anode materials production
- Purification tests achieved >99.95% graphite
- Spheronisation and battery application tests completed

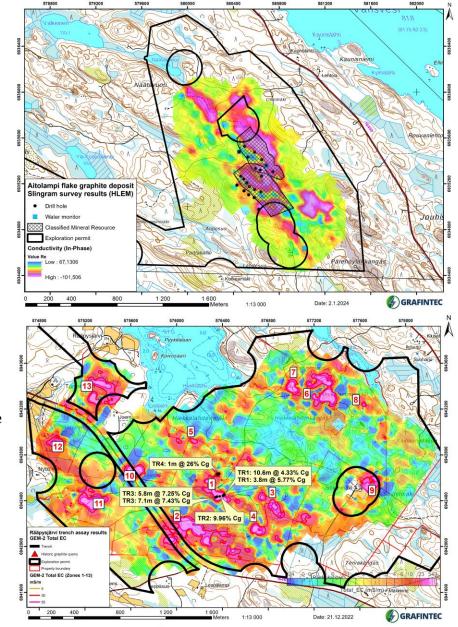
Rääpysjärvi

Exploration work

- Located 8km from Aitolampi
- EM conductive anomalies are more extensive potential for a larger tonnage of graphite mineralisation in the area
- >50% graphite assayed (*limitation of the analysing methodology*) from grab sample at historic graphite quarry at Zone 1 potential for localised very high-grade mineralisation
- Four trenches revealing significant flake graphite mineralization, including 1.0m at 26.00% graphite & 7.1 m at 7.43% graphite

Metallurgical testwork

- Composite surface grab sample with a head grade of 19.8% graphite
- 97.4% graphite concentrate produced with 18.8% in the large/jumbo flake fraction





Strategic resources 20



Vardar – focused on discovery

Tethyan Belt – a major metallogenic province

Timok deposit (Zijin), Serbia:

- Zijin acquired Nevsun Resources Ltd. for US\$1.4b in 2018, after Nevsun acquired Reservoir Minerals Inc. for US\$365m in 2016
- Total resources of 1.8bt @ 0.9% Cu & 0.2g/t Au
- Forecast 2023 production of 3Mt for 181kt Cu & 156koz Au

Skouries deposit (Eldorado Gold), Greece:

• Total resource of 308Mt @ 0.6g/t Au & 0.5% Cu

Stan Terg mine (Trepca), Kosovo:

• Reported historic resource of 63Mt @ 3.5% Pb, 2.3% Zn & 8og/t Ag

Sasa deposit (Central Asia Metals), North Macedonia:

- Acquired for US\$402.5m in 2017
- Total resources of 22.3Mt @ 4.2%Pb, 2.5% Zn & 20.5g/t Ag
- 2022 production of 807kt @ 3.6% Pb & 3.2% Zn

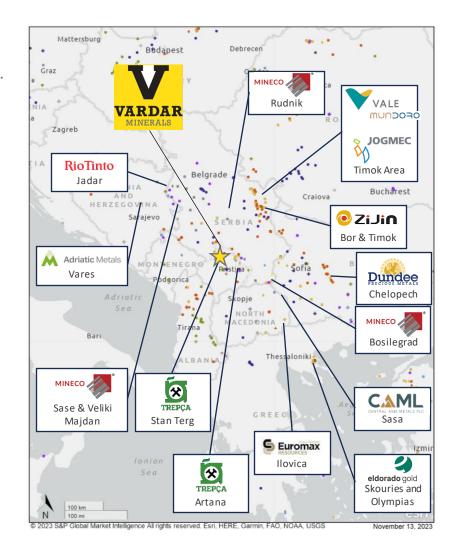
Vares deposit (Adriatic Metals), Bosnia & Herzegovina:

- Construction underway with US\$244.5m finance raised
- Total resource of 21.1Mt @ 156g/t Ag, 4.3% Zn, 2.8% Pb, 1.2g/t Au, 0.4% Cu, 0.2% Sb & 27%BaSO₄
- Forecast production of 15Moz Ag equivalent pa for first 6 years

Jadar deposit (Rio Tinto), Serbia:

• Total mineral resource of 144Mt at 1.8% Li & 14.3% B₂O₃

Source: Company websites and reports





Vardar – systematic exploration

First-mover in highly prospective Kosovo

Kosovo:

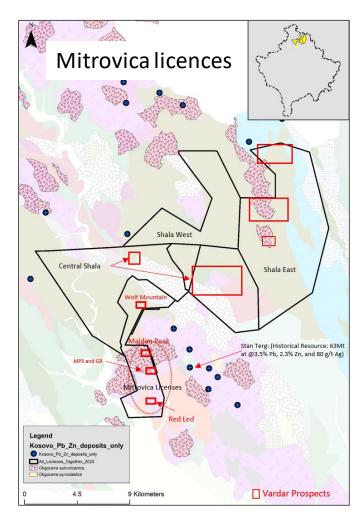
- highly prospective for base and precious metals
- limited to no exploration since the 1980s

Mitrovica licence area:

- km-scale hydrothermal alteration systems identified comparable in size to world-class base and precious metals deposits
- multiple high-quality targets defined by mapping, geochemistry, geophysics and drilling
- Red Lead priority Zn target yet to be drilled, similarities and proximal to Stan Terg
- significant drill results to date include:
 - MP6: 10.8m at 0.48 g/t Au, 0.1% Cu and 18 g/t Ag
 - MP6: 6.8m at 4.1% Pb, 0.6% Zn and 15 g/t Ag; and
 - MP15: 44.4m at 0.2 g/t Au

Viti licence area:

- anomalous copper and gold from surface sampling and drilling
- potential for Jadar-like lithium mineralisation





 $Note: \quad The \, Mitrov\, ica, Viti\, North\, and \, Viti\, East \, licences\, are\, currently\, under \, application$



Other assets and opportunities

Active management of portfolio

Swedish assets:

- Kallak South-North deposit: 21Mt at 26.9% Fe Indicated & 6Mt at 23.4% Fe Inferred
- Kallak South-South deposit: 8Mt at 26.1% Fe Inferred
- Copper exploration target

Finnish assets:

- Rääpysjärvi graphite project: trench results include 1.0m at 26.00% TGC & 7.1 m at 7.43% TGC
- Cobalt/ nickel exploration project

Review of other opportunities:

- European & Green Transition focus
- Green- and brownfield assets
- Multiple commodities including copper, iron ore, graphite



Summary and Outlook

Primed for a re-rate

Diverse portfolio of critical materials:

- Jokkmokk Iron has the potential to produce a market-leading, high-grade, low impurity concentrate
- Grafintec holds one of Europe's largest flake graphite resources and aims to supply of graphite anode material
- Vardar is focused on the discovery of base and precious metals

Prime location to establish a secure European supply chain:

- Beowulf's Nordic assets are located close to leading Green Steel and Gigafactory investments
- Access to low-cost, clean energy and established transport infrastructure for domestic and international markets
- Kosovo is located at the heart of the highly prospective Tethyan Belt

Market primed for re-rate:

- Chinese nationalism driving political intervention (China's graphite export controls vs. EU's Critical Raw Materials Act)
- Significant investment in downstream (Green Steel and Gigafactories) and growing upstream investment by OEMs and vehicle manufactures
- Junior resource equities trading at multi-year lows supply-chain security to drive re-rating





Corporate summary

Experienced Board & Management

Market Data (as at 1 March 2024)			
Listing	AIM/Spotlight		
Ticker	BEM/ BEO		
Share price	1.2p/ SEK 0.17		
Sharesoutstanding	1,1517 million		
Market Capitalisation	£13.9 million		
Cash (31 December 2023)	£0.9 million		
Debt (31 December 2023)	Nil		
Shares held in Sweden	78.8%		
Average daily volume (Spotlight)	1.6 million		



Johan Röstin Non-Executive Chairman

Former CEO of shipping and port companies with significant experience in infrastructure, logistics, capital investments and permitting processes



Mikael Schauman Non-Executive Director Former SVP Commercial for Lundin Mining responsible for worldwide sales, with more than 40 years' experience of base metals



Ed BowieChief Executive Officer

Over 20 years' experience in corporate, advisory and fund management roles and across a broad range of commodities and jurisdictions



Chris Davies
Non-Executive Director
Exploration geologist with over 40 years' experience across multiple commodities and jurisdictions

BEOWULF MINING plc

Positioned for growth 27

Supply chain security

Political initiatives

EU Critical Raw Materials Act to secure EU supply:

- >10% extracted from EU
- >40% processed within EU
- >25% from recycling
- <65% from a single country



US Inflation Reduction Act (IRA) to support cleanenergy industries and supply chains:

~US\$370 billion in spending and tax credits



UK Critical Minerals Strategy



Canada's Critical Minerals Strategy



Australia-India **Critical Minerals** Cooperation Agreement





US-Japan Critical Minerals Agreement on battery minerals (lithium, nickel, cobalt, graphite and manganese):

to help Japanese automakers and critical minerals processors access the benefits of the 2022 US Inflation Reduction Act.



The Indian Ministry of Mines JV company, Khanij Bidesh India Ltd. (KABIL) to ensure the supply of critical minerals:

actively seeking offtake agreements and has already signed with Argentina and Australia

Minerals Security Partnership (MSP)

- led by the US Department of State, to stimulate government and private-sector investment
- Partner governments include Australia, Canada, Finland, France, Germany, Japan, South Korea, Sweden, the UK, the US and the EU.























Supply chain security

Driving investment in critical minerals



Supply agreement from 2026

H2green steel

October 2023

V O L V O

Supply agreement from 2026

H2green steel

September 2023

STELLANTIS

€9.2m investment for 11.5% and 40% offtake for 5 years



April 2023

Mercedes-Benz

10ktpa of lithium hydroxide for 5 years' worth ~€1.5b

RockTech Lithium

October 2022

TESLA

75kt nickel concentrate over 6 years

TAL ON P

January 2022



US\$2.9b battery JV



October 2023



Mercedes-Benz

JV on battery recycling plant



Nm Neometals

August 2023



general motors

US\$650m investment

LithiumAmericas

January 2023



€50m investment for 8%



VULCAN ENERGY
ZERO CARBON LITHIUM™

June 2022

Renault Group

6-17ktpa of lithium offtake



VULCAN ENERGY
ZERO CARBON LITHIUMTM

August 2021



US\$155m investment for 14.2%



October 2023



Supply agreement from 2027

H2green steel

June 2023



US\$30m and 45ktpa manganese sulphate offtake for 5 years



January 2023

Renault Group

5ktpa of cobalt sulphate for 7 years



29

Managem

June 2022

Renault Group

Nickel sulphate supply for 200,000EVs or 15GWh pa

Terrafame

October 2021

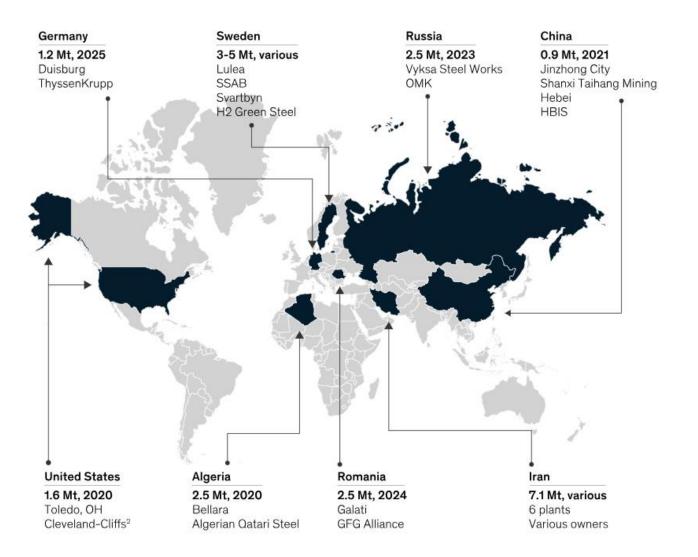


BEOWULF MINING plc

Commodity advantage

Forecast growth in steel from DRI

Planned and under-construction DRI plants and capacity¹



- 1 Estimated metric tonnes of steel based on DRI capacity, expected utilization, and raw material yields
- 2 Began operations in 2020

Source: McKinsey & Company

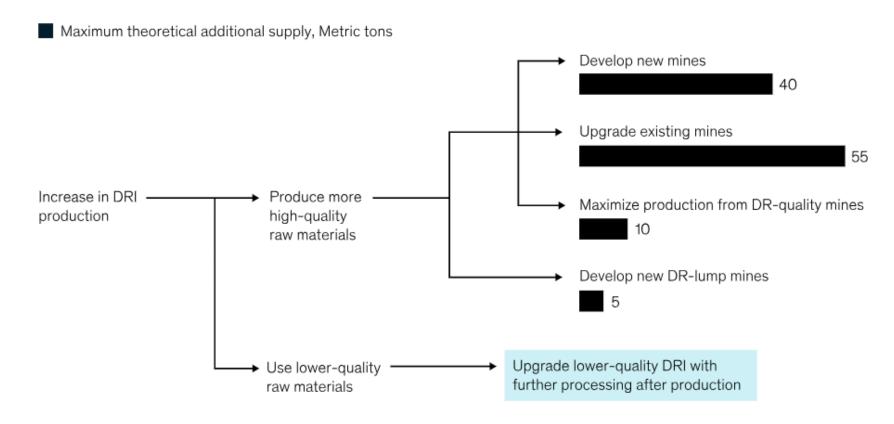


Growing demand for DRI

Direct Reduction Iron supply-side constraints

Anticipated deficit of high-quality raw materials

- DRI currently accounts for ~5% of supply to steel industry
- Production will need to more than triple in next 30 years if steel industry to become carbon neutral
- Mines capable of supplying sufficiently high quality material for DRI will not meet demand
- DRI will also likely need to be produced from lower quality iron ore



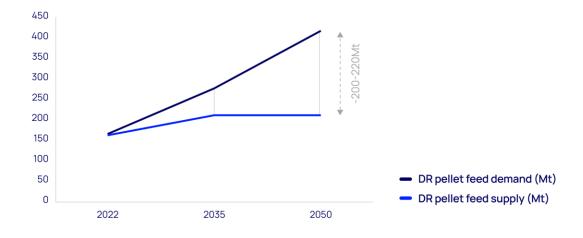
Source: McKinsey analysis



Growing demand for DRI

Supply deficit forecast for DRI

Demand for high grade iron concentrate set to increase





- 200-220Mt shortfall in high-grade ore anticipated by 2050
- Iron ore accounts for ~50% of the total production cost of DRI access to the necessary grade of feedstock is becoming more critical
- Deficit driving search for new solutions to upgrade lower grade material to DRI but with additional cost
 - Beneficiation and processing of medium grade material (e.g. from Brazil and Africa) will add ~ 6%
 - Smelting of low grade material (e.g. from Australia) will add 20-25%

Source: Wood Mackenzie

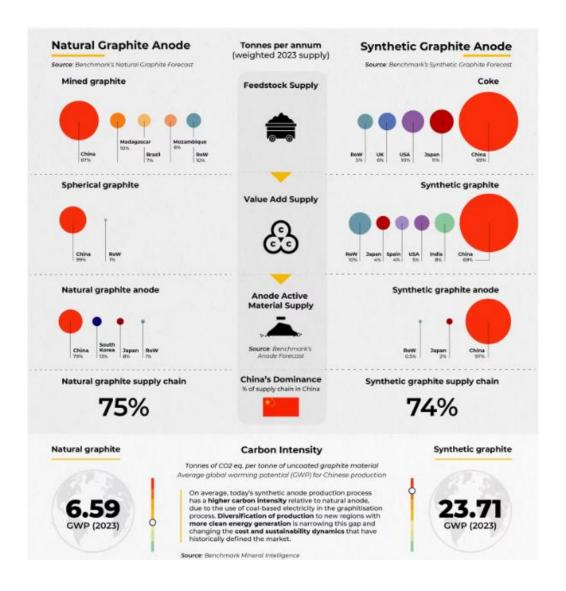


Global Graphite Supply

Dominated by China

Top 10 Producers of Natural Graphite



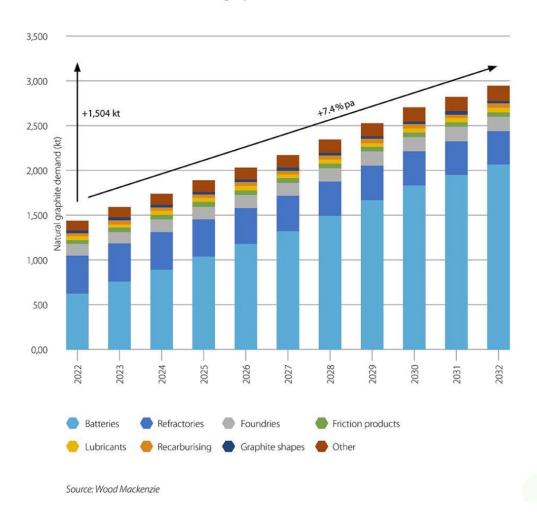




Global Graphite Demand

Dominated by China

Global demand of natural graphite



Global demand of synthetic graphite

