

Niobium. Critical for safe, ultra fast battery charging.

August 2023

Grant Hudson Chief Executive Officer

Charles Altshuler Chief Financial Officer

ASX: GBE | globemm.com



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Such factors include, but are not limited to, general economic, market and business conditions, market prices for niobium and tantalum, demand for niobium and tantalum, niobium and tantalum supply, obtaining additional debt and equity funding (as required), concluding of off-take agreements, obtaining and reserves, development and production as and when required, estimation of resources and reserves, development and production costs, processing recoveries transportation delays and costs, risks and uncertainties related to construction and commissioning, delays in construction of the pining and processing operations, accidents, equipment breakdowns, title matters, labour disputes, environmental issues and local community issues involving relocation of project affected people or other unanticipated difficulties with, or interruptions in, development or production, exchange rate fluctuations, and risks and uncertainties associated with doing business in Africa. In addition, there may be information herein that is information about prospective results of operations, financial position or cash flows and which is provided only to assist in an evaluation of the Kanyika Niobium Project outlined herein but are not to be relied upon as accurate representations of future results and may not be appropriate for any other purpose. This Presentation contains certain forward-looking statements and comments about future matters. Forward-looking statements can generally be identified using forward-looking words such as, "expect", "anticipate", "likely", "intend", "should", "could", "may", "predict", "plan", "propose", "will", "believe", "forecast", "estimate", "target" "outlook", "continue", "guidance" and other similar expressions. The forward-looking statements including statements regarding our intent, belief or current expectations with respect to Kanyika Niobium Project's performance, market, political, social and environmental conditions, additional feasibility work, improvements and updates, project configuration, construction and commissioning costs and timelines, and general risks and uncertainties. Readers are cautioned not to place reliance on these forward-looking statements. While due care has been used in the preparation of forecast information, actual results may vary in a materially positive or negative manner.

Any such statements, targets, opinions and estimates in this Presentation speak only as of the date hereof and are based on assumptions and contingencies subject to significant uncertainties or change without notice. Forecasts and hypothetical examples are subject to uncertainty and contingencies often outside Globe's control. The information in this presentation is current as at the date of the publication of this presentation.

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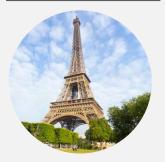
What is niobium and how is it used?

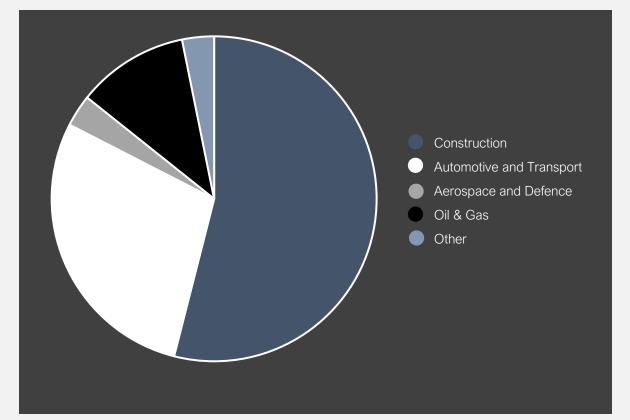
Ferroniobium (at 65% niobium) is the primary saleable form of the metal and sells for over US\$40,000/tonne.

Ferroniobium is primarily used in the production of High Strength Low Alloy (HSLA) steel which is used extensively in the construction and automotive industries and in the manufacture of high-pressure gas and oil pipelines, providing extra strength, and greater resistance to heat and corrosion.



Construction of the Eiffel Tower used 7,300t of wrought iron. Today, it could be built using 2,000t of HSLA steel.





Global ferroniobium sales by sector¹

- ~100,000t/year
- ~US\$3 billion per year²



Niobium for safe, ultra-fast battery charging.

¹ Source: CBMM ² Niobium Outlook to 2030 Roskill, 2020

A game-changing market opportunity

¹ Source: https://www.autofutures.tv/topics/how-niobium-makes-batteries-greener--cheaper-and-cleaner---with-insights-from-a-nobel-prize-winner--/s/7457515b-c647-434f-8877-31321e968592

²Source: World's Leading Niobium Anode Battery Materials Supplier (echiontech.com) 2023

³ Source: https://www.global.toshiba/ww/products-solutions/battery/scib/next/nto.html

Niobium makes batteries Greener, cheaper and cleaner.¹

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Ō	Ultra-fast charging	Niobium batteries can be fully charged in less than 10 minutes at lower operating temperatures ²
	Increased range	Niobium increases the energy density of batteries by 200% at a lower material cost ²
	Better performance	Niobium batteries are more stable and can withstand 10,000 charging cycles ²





Toshiba's Niobium Titanium Oxide (NTO)-SCIB battery can provide a mileage of up to 320km, reaching 90% capacity after six minutes and can fast charge to 80% capacity after 25,000 cycles.³



Niobium demand will grow but supply is limited

Three mines account for over 5% of the global mined miobium supply and no new nines have been brought into production for over 50 years.³

Excessive dependence on single supplier countries makes global consumers vulnerable.

Niobec and Boa Vista only produce ferroniobium. Only CBMM
 produces Niobium Oxide used in lithium-ion batteries.

• All three companies use the leach process together with electric arc furnace which is a carbon intensive process with significant slag. ³

1 Source: https://www.mining.com/web/niobium-mining-the-first-step-in-building-a-fighter-jet

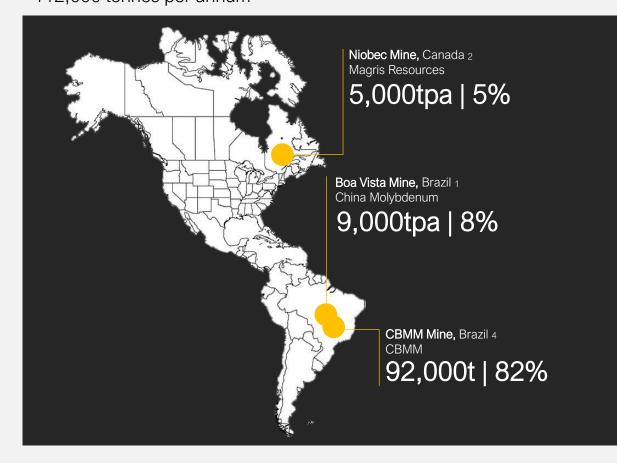
2 Source: https://www.mining-technology.com/projects/niobec-niobium-mine-quebec/

3 Source

https://www.researchgate.net/publication/272424460_Niobium_oxide_mineral_flotation_A_review_of_relevant_literature_and_the_current_stat e_of_industrial_operations

4 Source: https://cbmm.com/en

Global production of niobium (FeNb +Nb₂O₅) ~112,000 tonnes per annum





That's why its at the top of critical mineral lists

∠Niobium is considered Scritical not just in Australia but also in the EU, US, Japan, Trand India.





CBMM is dramatically increasing niobium oxide production.

SBMM will invest U\$80m on Increasing their niobium oxide apacity from 10,000 tonnes er annum to 45,000tpa by 030 to serve the growing attery market.

CBMM invest in Eichion, Battery Streak, VW Brazil and Lighting Motorcycles plus 40 other projects.

25% of CBMM's sales will be for the battery market by 2023.





Niobium is five times the price of copper

Surrently, average niobium $xide(Nb_20_5)$ prices are¹:

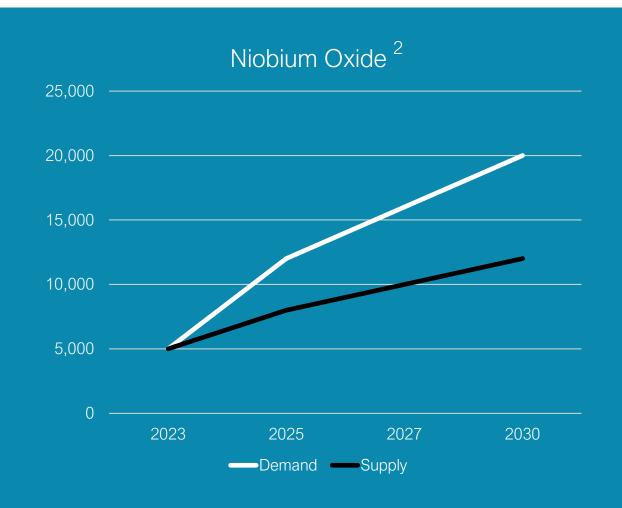
S \$US41,500t for 99.5% (FOB China)

\$US51,500t for 99.99% (FOB China)

This equates to 200% increase compared to 2001.

¹Source: Daily Niobium / Tantalum price, Lme Comex Shfe Price of Niobium / Tantalum live | SMM - Metal Market https://www.metal.com/Niobium-Tantalum

² Source: Derived and extrapolated from reports on https://niobium.tech/, https://www.echiontech.com, https://cbmm.com/en/ and Mordor Intelligence Industry Reports for Niobium Market





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Kanyika Niobium Project Malawi, Africa

The first globally significant biobium mine in 50 years.

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Shovel-ready, fully permitted, advanced staged project covered by a Mining Development Agreement, Mining Licence, and all environmental and land approvals required to immediately start construction.

By the numbers

JORC (2012) Compliant Mineral Resource Estimate (Measured, Indicated and Inferred)



Project Life Phase 1 (3 years) – 340,000t/year Phase 2 (20 years) – 1.5Mt/year





Figure 1. Signing ceremony for the Mining Development Agreement between the Globe and Malawi Government : 29 March 2023



Figure 2. Sample collection at Kanyika mine site: 28 April 2023



Kanyika Niobium Project Malawi, Africa

Production in Malawi. Processing in Namibia.

Malawi is a conflict free, democratic country underpinned by its 2022-2027 mining strategic plan where mining will be the main contributor to the sustainable socio-economic growth and development of the country.

Namibia: EIA and scoping project underway for processing plant to convert niobium concentrate produced in Malawi to Niobium Oxide (Nb_2O_5) /Metal Powders or Ferroniobium (FeNb).

Location of the mine and process plant and route of the concentrate chosen by GBE in consultation with C. Steinweg Group.





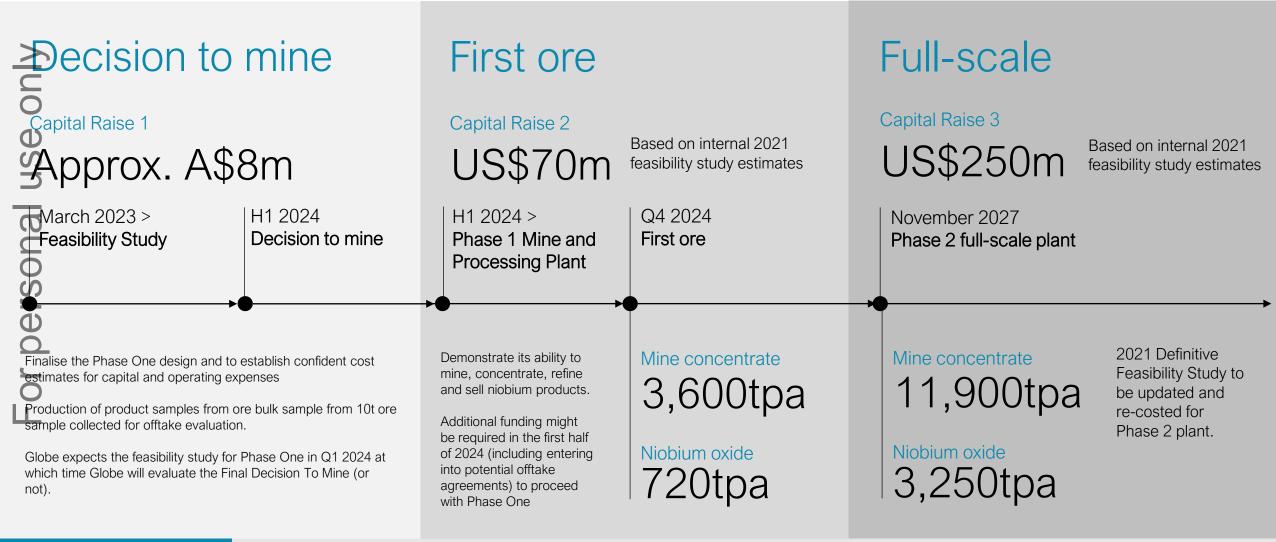
Large resource base and long mine life

The first globally significant niobium mine in 50 years.





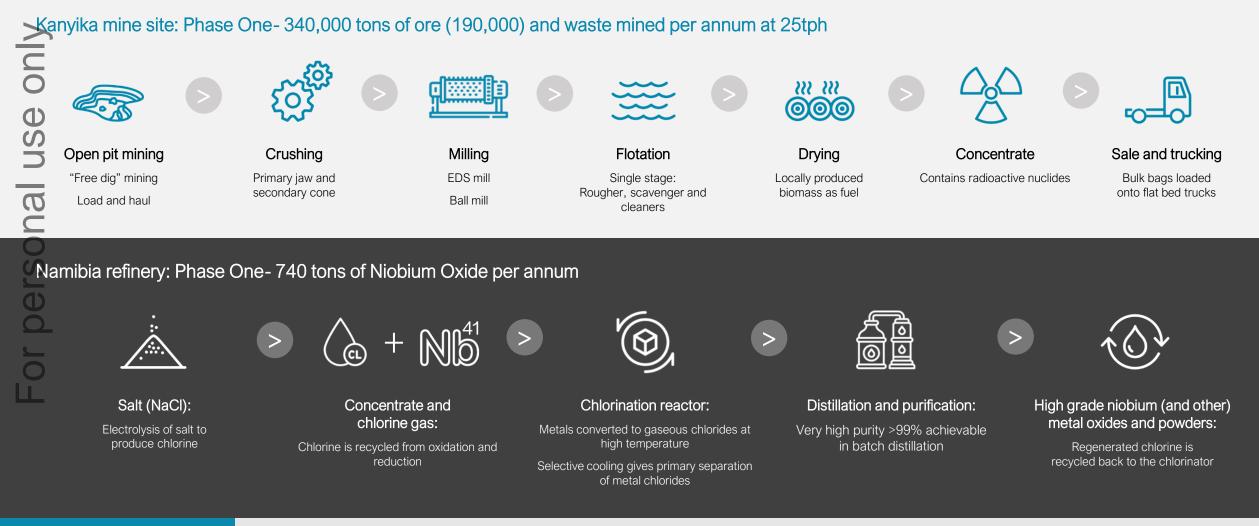
Development plan





The above dates are indicative goals only and are subject to change, depending on the ASX GBE | 12 outcome of additional feasibility work.

Phase One Scaleable start-up operations





Niobium for safe, ultra-fast battery charging.

Disclaimer: The above processes are subject to the completion of additional feasibility work, which is expected to be completed in or around the first guarter of 2024.

ASX GBE | 13

Phase One Metrics Small scale ramping up to large scale

All quoted in USD

Production (Nb ₂ O ₅)	Production (Ta ₂ O ₅)	Kanyika concentrate	IRR	Operating costs	NPV
Syears	3 years	3 years	3 years	3 years	3 years
20tpa 7% recovery >99% product	32tpa >96% recovery >99.9% product	3.6ktpa 90% concentrator availability	45%	\$11m Average per year	\$90m LOM 8% discount rate
Cotal Revenue	Total Opex	Total EBITDA	Capital costs	Capital costs	Capital costs
years	3 years	3 years	Phase 1 Mine Capital Cost	Phase 1 Refinery Capital Cost	Phase 1 Sustaining Capital
108m	\$32m Total over 3 years	\$65m Total over 3 years	\$35m	\$25m	\$10m ^{3 years}

Disclaimer and clarifier: The information, reports, financial models, forecasts and strategies are based on the feasibility study "Kanyika Project Feasibility" announced on 19 August 2021

(https://announcements.asx.com.au/asxpdf/20210819/pdf/44zgwl83w5s55b.pdf) This feasibility study not been updated since 19 August 2021 and hence has not considered potential changes in commodity prices, competition, foreign exchange, labour costs and shortages, logistics, capital costs and other economic conditions. Production targets are dependent on obtaining offtake agreements to the full value of the production target. For changes to the feasibility study refer to slide 16. Whilst the feasibility study has not been updated for the aforementioned macro-economic changes and, subject to additional feasibility work, the changes detailed on slide 16, as at the date of this Presentation, Globe confirms that all the material assumptions underpinning the feasibility Study (and the production target included in the feasibility study and forecast financial information derived from the production target included the feasibility study) as reported to the ASX on 19 August 2021 continue to apply and have not materially changed.



Life Of Mine Metrics 1.5 years payback post first production

Production (Nb ₂ O ₅)	Production (Ta ₂ O ₅)	Kanyika concentrate	IRR	Operating costs	NPV
23 years	23 years	23 years	23 years	23 years	23 years
3 ,250tpa ^{5% recovery >99.9% product}	140tpa >95% recovery >99.9% product	11.9ktpa 90% concentrator availability	50%	\$88m Average per year	\$1bn LOM 8% discount rate
Total Revenue	Total Opex	Total EBITDA	Capital costs	Capital costs	Capital costs
v23 years	23 years	23 years	Mine Capital Cost	Refinery Capital Cost	Sustaining Capital
\$5.6bn	\$1.6bn	\$3.7bn	\$200m	\$50m	\$100m

Disclaimer and clarifier: The information, reports, financial models, forecasts and strategies are based on the feasibility study "Kanyika Project Feasibility" announced on 19 August 2021

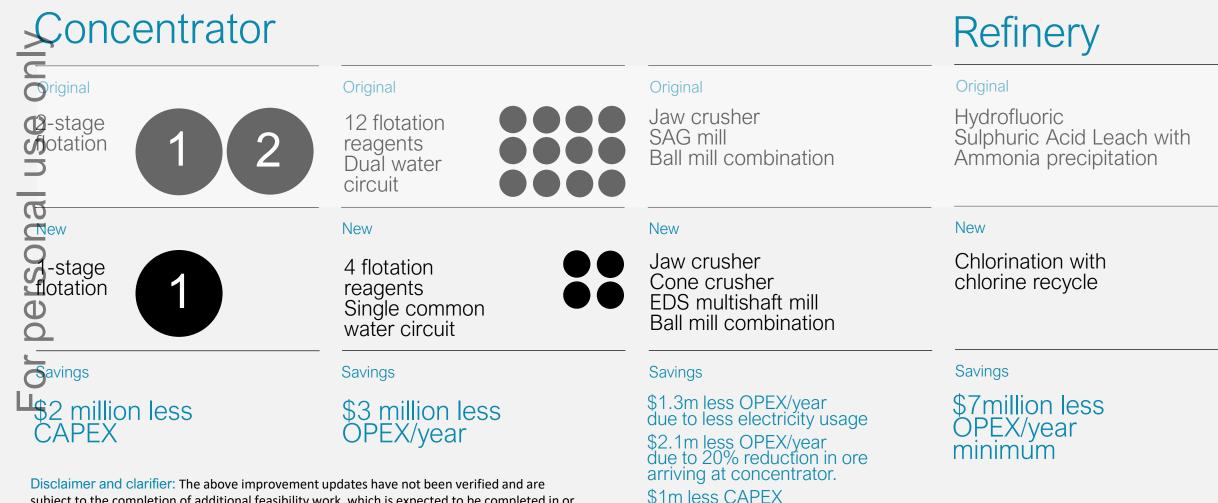
(https://announcements.asx.com.au/asxpdf/20210819/pdf/44zgwl83w5s55b.pdf) This feasibility study not been updated since 19 August 2021 and hence has not considered potential changes in commodity prices, competition, foreign exchange, labour costs and shortages, logistics, capital costs and other economic conditions. Production targets are dependent on obtaining offtake agreements to the full value of the production target. For changes to the feasibility study refer to slide 16. Whilst the feasibility study has not been updated for the above noted macro-economic changes and, subject to additional feasibility work, the changes detailed on slide 16, as at the date of this Presentation, Globe confirms that all the material assumptions underpinning the feasibility Study (and the production target included in the feasibility study and forecast financial information derived from the production target included the feasibility study) as reported to the ASX on 19 August 2021 continue to apply and have not materially changed.



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Processing improvements to the original feasibility completed in August 2021

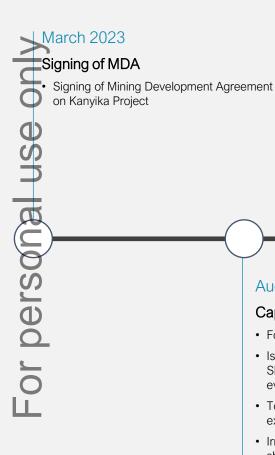
All quoted in USD



Disclaimer and clarifier: The above improvement updates have not been verified and are subject to the completion of additional feasibility work, which is expected to be completed in or around the first quarter of 2024.



Near-term value drivers



| September 2023

Complete advanced sample test-work

- Milling through EDS mill
- Gravity volume reduction

Produce concentrate

- Flotation
- Chlorination
- Oxide sample production
- Update engineering design parameters

November 2023

Namibia EIA

- · Plant emission and residues data collected
- Location data collected
- Detailed EIA studies initiated.

Product samples

• Provided to potential offtake partners for analysis

August 2023

Capital raising

- For a pro-rata non-renounceable entitlement issue
- Issue price of \$0.037 per new Share (New Shares) on the basis of three (3) New Shares for every seven (7)
- To raise up to approximately \$8,000,000 before expenses.
- Irrevocable commitments from the major shareholders on full Entitlements totally \$4.3m.
- Irrevocable commitment from Triple Talent to apply for \$1.3 million in Additional New Shares (if available) under the Top Up Facility

October 2023

Commissioning of lab scale refinery pilot plant

- Allow to confirm design parameters on full scale plant
- Enable production of offtakes samples

Q1 2024

Update preliminary feasibility study

- Current Feasibility Study to be revised and financial model updated
- Establish confident cost estimates for capital expenditure and operating expenses for Phase One Process Plant.
- Detail Design for selected long lead items.



Niobium for safe, ultra-fast battery charging.

The above dates are indicative goals only and are subject to change, depending on the ASX GBE | 17 outcome of additional feasibility work.

Corporate snapshot ASX GBE

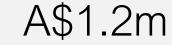


Market capitalisation



1 August 2023

Debt



30 June 2023

1 August 2023

506.7m

Shares on issue

30 June 2023

Cash

A\$0.2m

Various options



1 August 2023

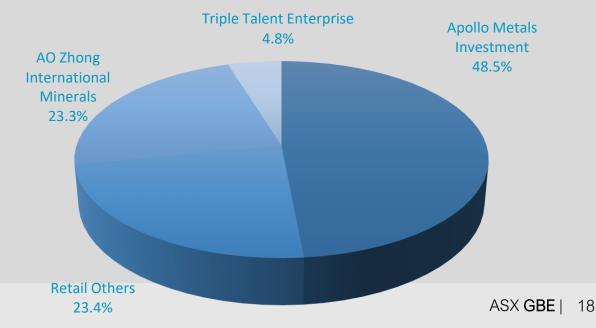
SX Share price performance (\$A)

obe



Share register

Figures shown are approximate as at 1 August 2023



Niobium for safe, ultra-fast battery charging.

Appendices



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personal

Competent person's statement

Mineral resource estimates:

The information in this report that relates to Mineral Resources is extracted from the report titled Kanyika Niobium Project – Updated JORC Resource Estimate" released to the Australian Securities Exchange (ASX) on 11 July 2018 and available to view at www.globemm.com and for which Competent Rersons' consents were obtained. Each Competent Person's consent remains in place for subsequent Releases by the Company of the same information in the same form and context, until the consent is Withdrawn or replaced by a subsequent report and accompanying consent.

The Company confirms that is not aware of any new information or data that materially affects the information included in the original ASX announcement released on 11 July 2018 and, in the case of timates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the original ASX announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons' findings are presented bave not been materially modified from the original ASX announcement.

Eull details are contained in the ASX announcement released on 11 July 2018 titled "Kanyika Niobium Project – Updated JORC Resource Estimate" and is available to view at www.globemm.com

Ore reserves:

The information in the report that relates to Ore Reserves is extracted from the report titled "Kanyika Niobium Project – Project Feasibility and Economics" released to the Australian Securities Exchange (ASX) on 19 August 2021 and available to view at www.globemm.com and for which a Competent Person's consent was obtained. The Competent Person's consent remains in place for subsequent releases by the Company of the same information in the same form and context, until the consent is withdrawn or replaced by a subsequent report and accompanying consent.

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Full details are contained in the ASX announcement released on 19 August 2021 titled "Kanyika Niobium Project – Project Feasibility and Economics" and is available to view at www.globemm.com

Production target and forecast financial information:

The production target and forecast financial information derived from the production target included in this presentation were first announced to the ASX in the announcement released to the ASX on 19 August 2021 titled "Kanyika Niobium Project – Project Feasibility and Economics". Globe confirms that all the material assumptions underpinning the production target and the forecast financial information derived from the production target to the ASX on 19 August 2021 continue to apply and have not materially changed.

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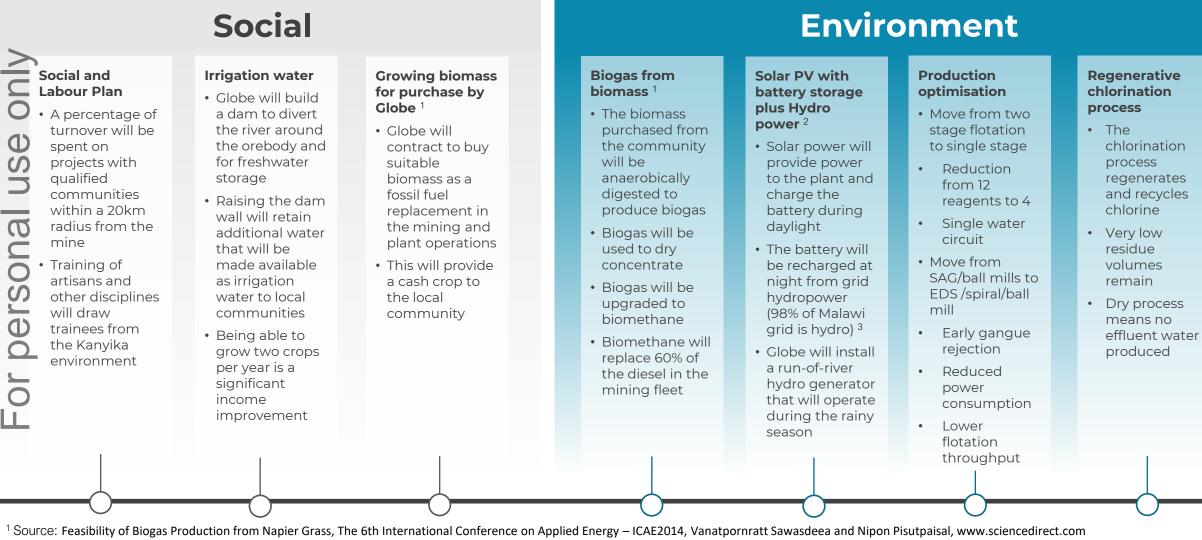


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Strong internal ESG Drivers (in addition to Niobium



making batteries greener, cheaper and cleaner and hence supporting climate change)



² Source: https://www.angloamerican.com/media/press-releases/2022/18-03-2022

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³ Source: Taulo, John L, Gondwe, Kenneth Joseph, & Sebitosi, Adoniya Ben. (2015). Energy supply in Malawi: Options and issues. Journal of Energy in Southern Africa, 26(2), 19-32. Retrieved August 01, 2023, from http://www.scielo.org.za/scielo.php

Our partners

Significant experience civils, technology, refining and logistics. Minimizing logistics, mineral processing and production technology risk.

C. Steinweg Group



Mine Civils

S.R. Nicholas Ltd provide the preliminary design and civil engineering of the plant for Phase 1 of the project.



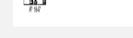
Milling Technology

EDS has been developing a horizontal, multi-shaft mill that has a significantly lowered power consumption than the equivalent SAG ball mill since 2016.

Mine Plant

SOLO RESOURCES

Solo has a wealth of experience in the design, build and commissioning of mineral plants in South Africa, and have supplied such installations all over the Continent. Selected to design and construct the mineral processing plant.



Logistics

C. Steinweg Group is a globally operating independent, worldwide logistics service provider. They operate in the fields of storage, handling, forwarding, chartering and other commodity related logistics services. C. Steinweg Group has over 5000 employees located across 100 locations in 52 countries. They are well-known in the region and are the largest logistics company in Malawi with 5 sites and an additional office in Namibia.



Refining Technology

TCM has been selected to design the refinery process for the Kanyika concentrate and to determine the design parameters of the refinery. TCM has worked with more than ten different ore concentrates that contain niobium and tantalum. In addition, they have processed concentrates containing PGMs, Rare Earths, gold, tin, vanadium and iron, tungsten, zircon and hafnium, nickel and copper sulphides as well as low levels of radioactive materials such as uranium. thorium and other fission daughter products.



Geolabs Global is the laboratory that will process the Kanyika bulk sample ore to concentrate. Geolabs
 Global is a leading provider of mineral processing solutions for the mining and minerals industry based in South Africa.

Geolabs

Global



Refinery

Resonant Group will complete the engineering design for the refinery using the design parameters from TCM. Resonant is a multi-disciplinary engineering business active in the metals, minerals, chemicals, oil and gas, and infrastructure sectors.



Niobium for safe, ultra-fast battery charging.

Leadership- Board of Directors and Executive management Global mining experience

Alice Wong Non-Executive Chairperson

Commenced her business career with Price Waterhouse. After more than a decade in the investment banking industry in Asia working for large multinational companies including Morgan Stanley, ABN AMRO Rothschild, and BNP Paribas Peregrine, she extended her entrepreneurial endeavours into luxury products and healthcare businesses. Ms. Wong is a director in Apollo Metals Investment Co. Ltd which holds 48.5% of Globe.

Grant Hudson Chief Executive Officer

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Prior to joining Globe, Mr Hudson was the Managing Director and Chief Executive Officer of Bikita Minerals, which has been mining lithium and tantalite in the Bikita hills of the Masvingo province in Zimbabwe for around 75 years and is the world's foremost supplier of the lithium mineral petalite.

Other mining appointments include three years as Manager of the M'beta tantalite mine in Zimbabwe and three years as Managing Director of Tantalite Holdings.

Bo Tan Non-Executive Director

A Canadian national, he has approximately 20 years' experience as a senior manager and director in financial planning, reporting, investment, capital structure and industrial research.

Worked for companies such as Bohai Industrial Investment Fund, Lehman Brothers Asia and Macquarie Securities Asia, and across international markets in China, Hong Kong, Canada and USA.

Ricky Lau Non-Executive Director

Over 20 years of experience in the private equity industry in Asia and is presently the Managing Partner of Crane Capital Limited, a regional real estate private equity company based in Hong Kong.

Received an Executive MBA degree from Kellogg-HKUST and graduated with honors from the Sauder School of Business at the University of British Columbia.

Michael Barrett Non-Executive Director

Has held senior mining sector roles in Western Australia, including with Rio Tinto Iron Ore and WMC Resources Ltd before he took the position of Chief Financial Officer of Rio Tinto's US energy business in Wyoming and Denver from 2004 to 2015. He led Rio Tinto's divestment and IPO of the business as Cloud Peak Energy on the New York Stock Exchange in 2009 and continued to serve as CFO of the listed company. Non-executive director of Novo Resources Corp (TSX Code: NVO).

Michael Choi OAM Non-Executive Director

Over 30 years' experience in business ownership and management and was a Member of the Queensland Parliament for 11 years between 2001 and 2012. He was at one stage the Assistant Minister for Mines and Energy and Assistant Minister for Trade. Founding managing director of a company in property development, project and development management as well as construction management. Established since the 90s, the company was recognised at one stage as one of the top 20 firms in Queensland in its sector with multiple industry awards.

Neville Huxham Chairman (Globe Africa)

Neville has extensive mining experience in southern Africa with the Anglo-American Corporation/De Beers group, and most recently as deputy chairman of Malawi's major uranium mining company. Over the past decade he headed Globe's in-country negotiations with the Malawi Government, culminating in the signing in March 2023 of the Mining Agreement authorising development of the Kanyika Niobium Project.

Dean Lungu Director (Globe Africa)

Mr. Dean Lungu is a prominent Malawian businessman and director of companies. He is a former chairman of Press Corporation Limited, Malawi's leading commercial conglomerate, and has served on the boards of several of the country's major companies, including Telekom Networks Ltd. and Alexander Forbes. Mr Lungu is President emeritus of the Malawi Chamber of Mines and Energy.

Rex Zietsman Chief Technical Officer

Registered professional engineer with 40 years of experience in the areas of chemical, mining and minerals processing, pulp and paper and fertilizer. His experience was initially in a production environment though he has been a design engineer for the last 30 years. He was also the NI 43-101 defined Competent Person on a TSX listed, Rare Earths project.

Rex occupied the role of Mine Executive at Bikita Minerals in Zimbabwe. This involved all aspects of running a fully integrated lithium mine and concentrator

Charles Altshuler Chief Financial Officer

A Chartered Accountant/ MBA is a finance and business leader with 18+ years experience. He has strong experience in IPO's, corporate finance, strategy, M&A, reporting and IT within both listed and family organizations globally across healthcare, mining, industrial, renewable energy and FMCG/retail businesses.

Mining experience includes 7 years in senior finance and business partnering roles in Anglo American, Samancor Manganese JV and Glencore in Africa and Australia.

Macleod G. Nyirongo Director (Globe Africa)

Mr. Nyirongo began his career as Principal Economist in Malawi's Office of the President and Cabinet, responsible for economic analysis and formulation of economic and social policies to stimulate Malawi's growth. Thereafter he had more than 25 years within the United Nations (UN) organisation, where his official postings as UN Country Director included the People's Republic of China, Eritrea, and Zambia, and he was also the UN's Resident Director in Sierra Leone and Kenya.



The market for Niobium

Construction

alloyed steel

(Microalloy) in

and strip steel

Niobium

120,000

tons

FeNb

High strength low

Reinforcement, bar

• 80m tons pa of

HSLA contain



NB205 E-Mobility including batteries ď Cathode and anode materials in Lithium-SD ion battery 1.9 million fast charging (6C) 50 ersonal kWh batteries per annum using Nb2050 148 million 4,000 cycle household batteries at 5kWh per annum using Nb_2O_5 ○ 20,000 tons Nb2O5

Niobium oxide

Ferroniobium FeNb

Transport including EV's and space/defence

High strength low alloyed steel (Microalloy) in Jet engines, body plates, casting, breaks

• 26m tons pa of HSLA contain Niobium

40,000 tons FeNb Renewable energy and telecoms

Soft Magnetic Nanocrystalline & Superconductors, micro alloys, electromagnetic shielding in EV chargers, Wind turbines, transformers, super conductors, wireless chargers.

 190,000 high heat capacity EV chargers, 30,000 high strength wind turbines, 1 billion wireless chargers all using Niobium
 20,000

> tons FeNb

Healthcare

Soft Magnetic Nanocrystalline Alloys in MRI Scanning machines, orthopaedic prosthesis.

6,000 MRI scanners

500 tons FeNb