

## ASX Announcement

29 November 2023

### AGM Presentation

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The 2023 Annual General Meeting (**AGM**) of **Globe Metals & Mining Limited** (ASX: GBE) ("**Globe**" or "**Company**") will be held today at 2:00pm (WST).

In accordance with ASX Listing Rule 3.13.3, a copy of the CEO's presentation that will be delivered at the AGM is attached.

This announcement was authorised for release by the CEO of Globe.

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# Annual General Meeting

From Exploration to Production: Unveiling a new, vertically-integrated Niobium producer.

29 November 2023

**Grant Hudson**  
Chief Executive Officer

**Charles Altshuler**  
Chief Financial Officer

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MRI



Optical Glass



Aerospace



Super Conductor



Nuclear SMR



Thermo Power



Capacitors



Batteries



# Disclaimer

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The information in this Presentation is an overview and does not contain all information necessary for making investment decisions. In making investment decisions, investors should rely on their own examination of the Company and the Kanyika Niobium Project and consult their own legal, technical, business and/or financial advisers. The information contained in this Presentation has been prepared in good faith by Globe, however no representation or warranty expressed or implied is made as to the accuracy, correctness, completeness or adequacy of any statements, estimates, options, or other information contained in this presentation. To the maximum extent permitted by law, Globe, its Directors, officers, employees and agents disclaim liability for any loss or damage which may be suffered by any person relying on anything contained in or omitted from this Presentation.

Certain information in this Presentation may refer to the intentions of Globe with respect to the Kanyika Niobium Project, but these are not intended to be forecasts, forward looking statements or statements about the future matters for the purposes of the Corporations Act or any other applicable law. The occurrence of the events in the future are subject to risk, uncertainties and other actions that may cause Kanyika Niobium Project's actual results, performance or achievements to be materially different from the results, performance or achievements implied by the forward-looking statements.

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 of all necessary permits for 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 mining 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.

There can be no assurance that actual outcomes will not differ materially from these forward-looking statements. Except as required by law or regulation (including the ASX Listing Rules), Globe undertakes no obligation to supplement, revise or update forward-looking statements in the future, regardless of whether new information, future events or results or other factors affect the information contained in this Presentation.

# Strategic Positioning and Investment Highlights

Goal is to be only the 2<sup>nd</sup> vertically integrated Niobium oxide producer

Oxide market growing as purchasers look to diversify supply-side risk

Low-cost mining and refining operations are in conflict-free zones

Globe has worldwide exclusivity (5 years) on ESG-friendly refining process

Niobium is number 3 on the US critical mineral list

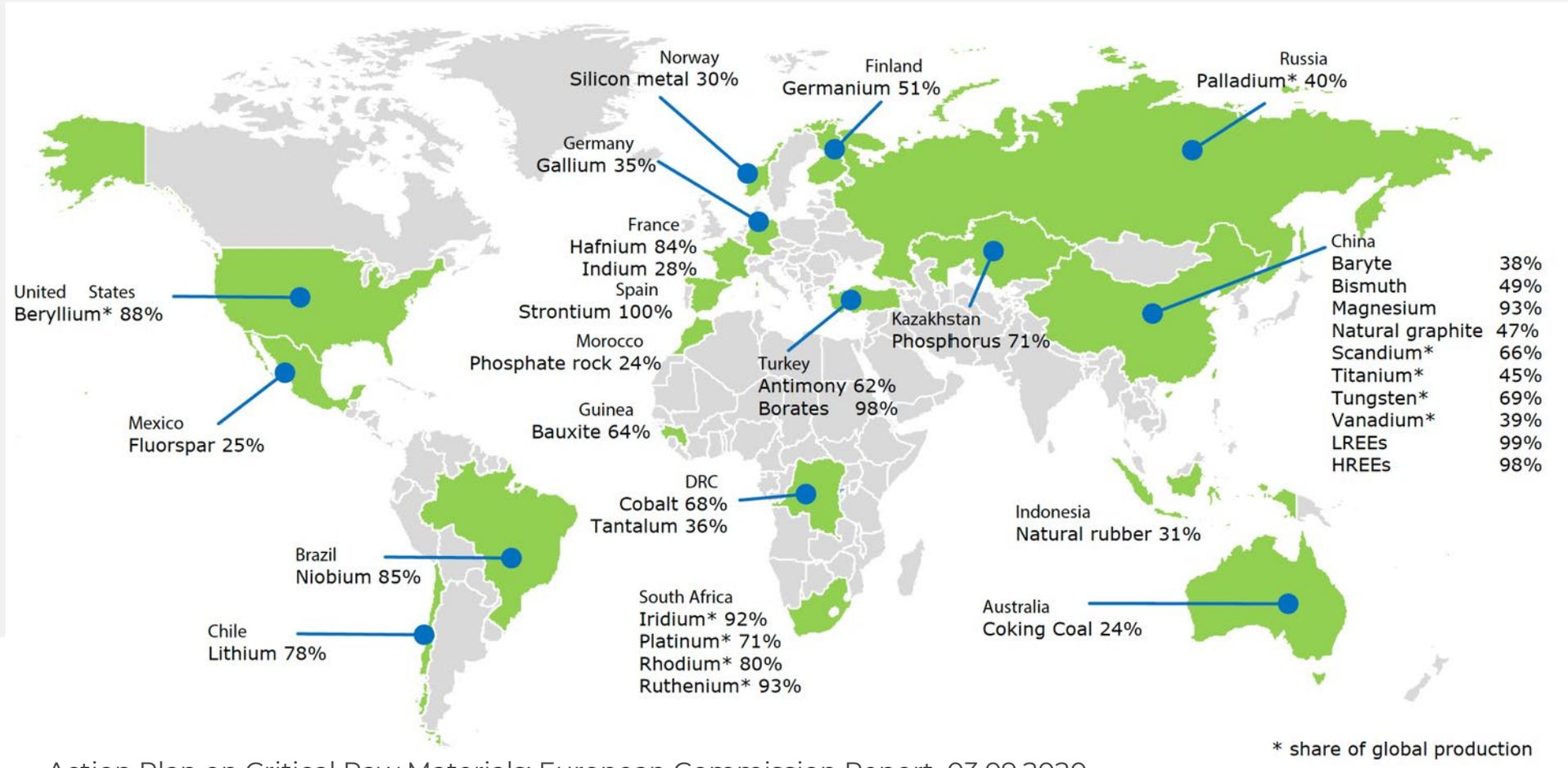
De-risked small scale start up with expansion to follow

Attractive valuation with 50% IRR and \$1bn US NPV per 2021 DFS

Shovel-ready, fully permitted, advanced staged project

# Kanyika – a solution for supply-side risk

Excessive dependence on single supplier countries makes Europe vulnerable



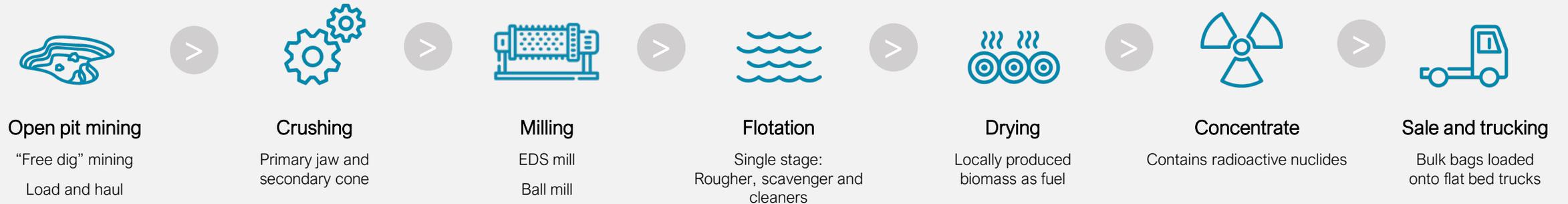
Action Plan on Critical Raw Materials: European Commission Report 03.09.2020



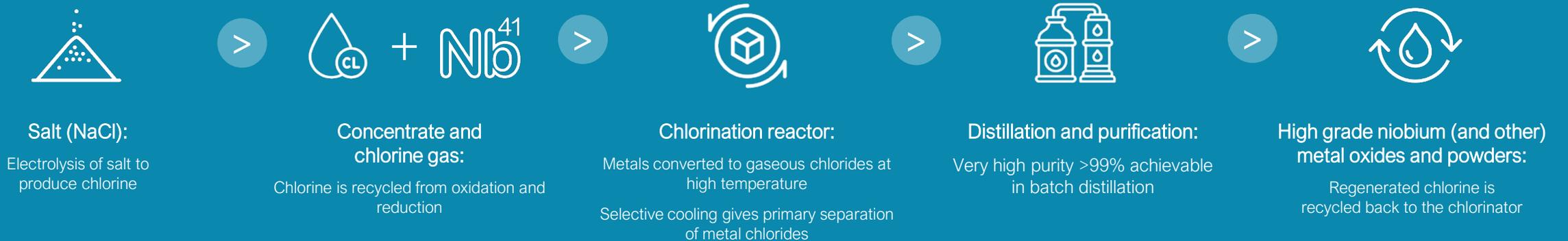
# Phase One

## Low-cost start-up operations

### Malawi Kanyika mine site: Phase One Pilot



### Namibia refinery: Phase One Pilot



# Strategic Highlights (Namibia)

- Application for land at HIZ Walvis Bay underway
- Successful attendance at Namibia Mining Expo. in Windhoek
- Key consultancy engagements
  - Mutschler Associates (Namibia) - land, EIA etc.
  - Dr. Detlof van Oertzen - Nuclear physicist (Namibia)
  - Mr. Rogerio Pastore - Marketing

# Strategic Highlights (Malawi)

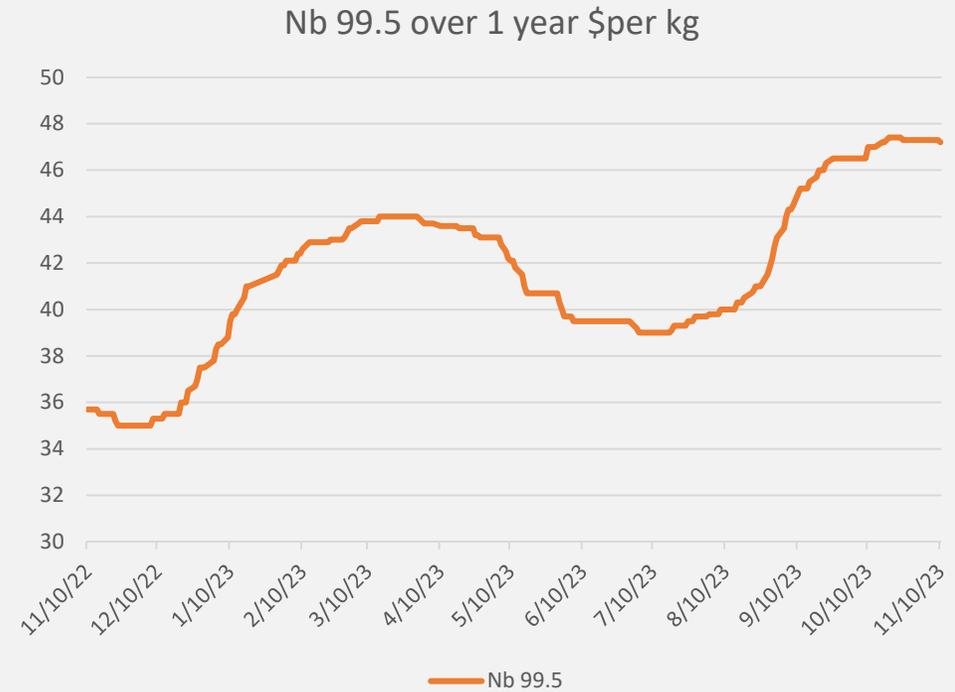
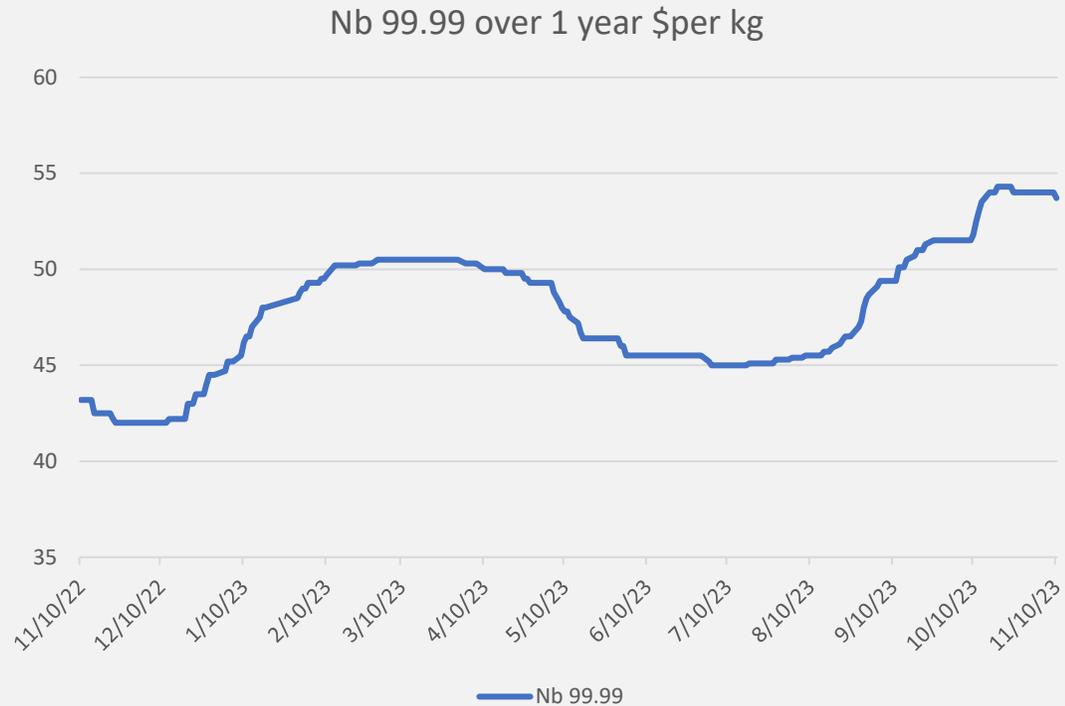
- Mining Development Agreement signed March 2023
- Agreement on relocation process with Malawi Govt. Ministries (Mines & Land)
- Agreement on CDA/Trust from Kanyika Traditional Authorities
- Project Manager (Mr. Louis Schoeman) for mine site construction appointed November 2023
- Start of Shared Services programme (Onyx)

# Strategic Highlights (Rio)

- Successful participation in T.I.C. Annual Conference in Rio de Janeiro
- Focus was to engage with potential off-take partners and strategic partners/investors
- 19 meetings over 2 days with industry players
- Keen interest in niobium oxide supply from Chinese and other users
- Samples from current laboratory pilot plant program requested by 13 industry players (Q4 2023/Q1 2024)

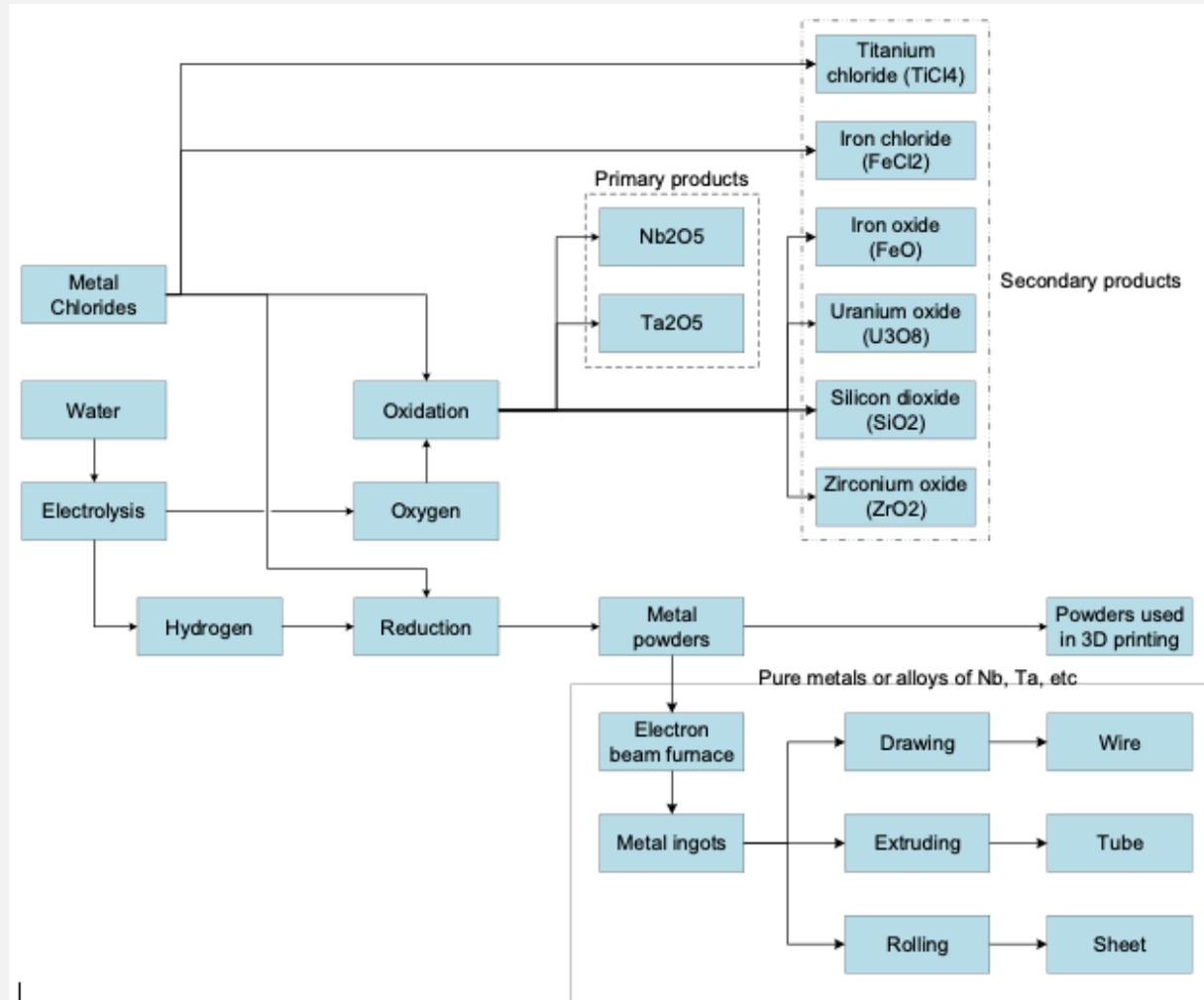
# Oxide Pricing

- Pricing for oxides confirmed to be rising due to limited availability



- Global IP exclusivity (Niobium) signed with TCM (5 years)
- Initial positive results from 20kg. test work – excellent Nb/Ta recoveries @ >99%
- Gas-phase chlorination identified as best processing solution for an African producer:
  - Based on well-known process technology for the production of titanium and magnesium metals
  - Eminently suitable for ore that contains a suite of potential metal products
  - Lower operating costs
  - Significantly improved ‘green’ credentials
  - Plant can be built within the region
  - Infrastructure, construction & operational skills readily available in South Africa and Namibia
  - Scalable

# Potential Product Suite



# Timeline

Milestones	Q3 2021	Q1 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025	Q2 2025	Q3 2025	Q4 2028
Mining licence granted	Complete										
DFS complete	Complete										
MDA granted		Complete									
Extraction test complete			Complete								
TCM exclusivity signed			Complete								
Small scale sample complete			Forecast								
Impurities identified			Forecast								
Strategic & Offtake discussions			Forecast	Forecast							
Preliminary Plant & Site Layout				Forecast							
Gap review on updated feasibility				Forecast							
Updated feasibility complete				Forecast							
Offtake samples				Forecast							
Offtake agreements				Forecast	Forecast						
Funding finalised					Forecast						
Decision to mine					Forecast						
EIA for refinery				Forecast	Forecast	Forecast					
Plant Engineering & Procurement					Forecast	Forecast					
First ore							Forecast				
Refinery Engineering and Procurement						Forecast	Forecast	Forecast			
Plant Installation & Commissioning								Forecast			
First concentrate									Forecast		
Refinery Installation & Commissioning									Forecast	Forecast	
First refined product										Forecast	
Phase 2 ramp up											Forecast





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# 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](http://www.globemm.com) and for which Competent Persons' 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 estimates 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 have not been materially modified from the original ASX announcement.

Full 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](http://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 as reported to the ASX on 19 August 2021 continue to apply and have not materially changed.

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](http://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](http://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](http://www.globemm.com)