



WEST ARUNTA PROJECT

A ONCE IN A GENERATION NIOBIUM DISCOVERY

ANNUAL GENERAL MEETING
NOVEMBER 2024

WA
RESOURCES LTD

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WEST ARUNTA PROJECT



Luni niobium deposit was discovered in 2022 and is located in Western Australia

100% owned by WA1



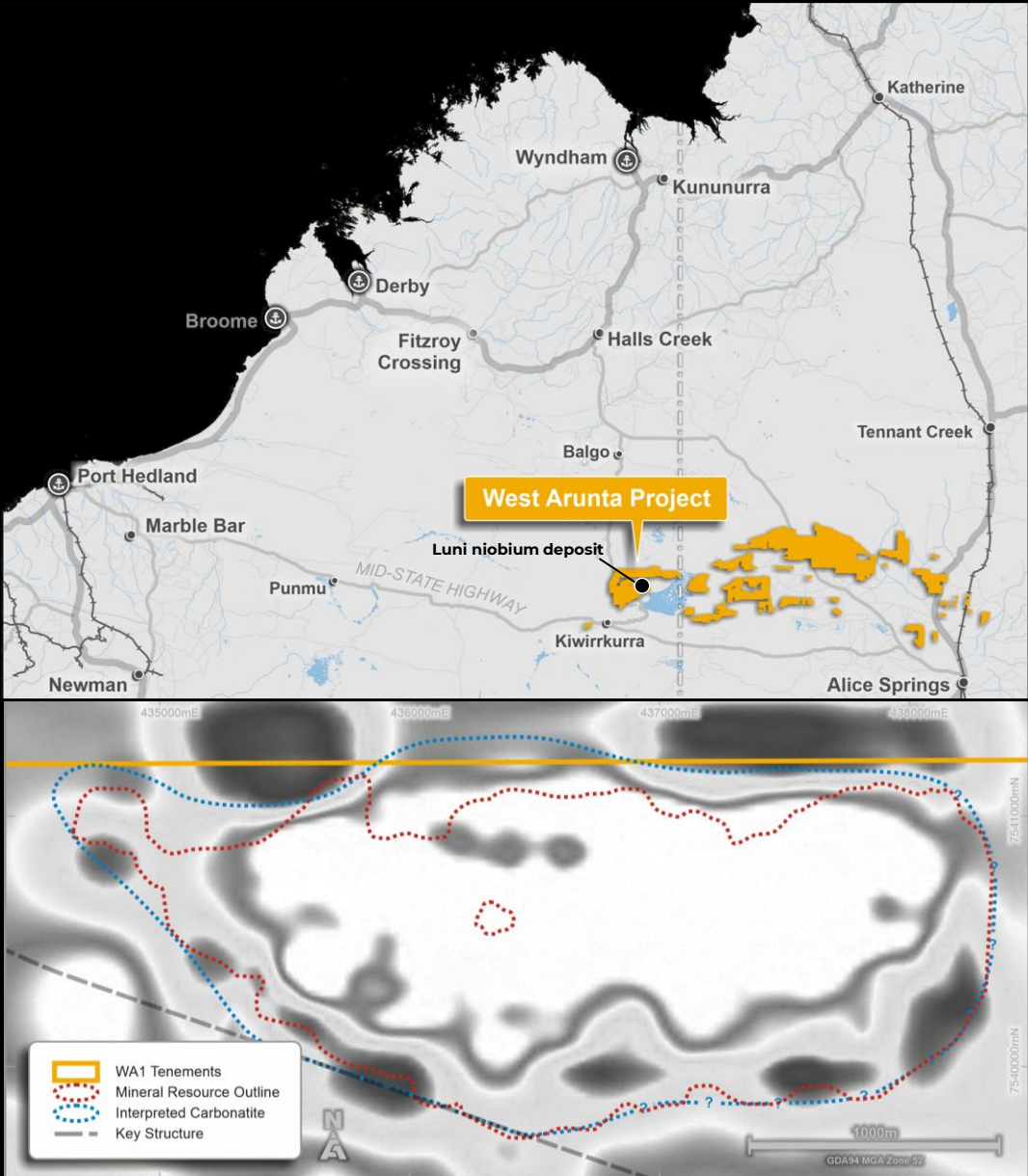
A\$94M in cash to advance key project workstreams

Strong share register of long-term institutional investors



Experience permitting and developing mines in remote Western Australia

Board of directors have significant shareholdings and are aligned to shareholder interests



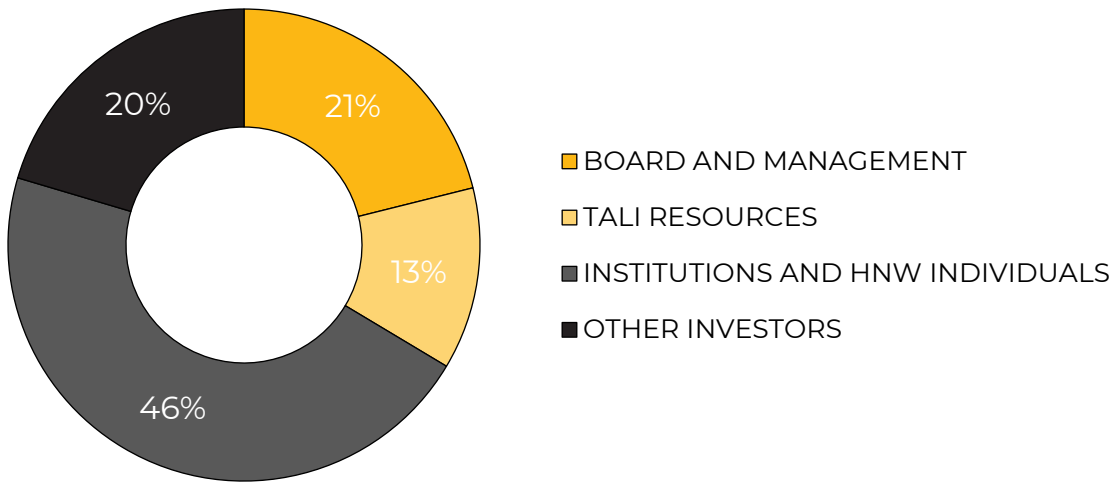
WA1 TENURE MAP IN THE ARUNTA AND LUNI CARBONATITE PLAN VIEW WITH GREYSCALE GRAVITY (RESUC200M)

CORPORATE SNAPSHOT

CAPITAL STRUCTURE

SHARE PRICE (18 NOVEMBER 2024)	A\$14.53
SHARES ON ISSUE	67.7M
OPTIONS ¹ AND PERFORMANCE RIGHTS	1.0M
MARKET CAP (UNDILUTED)	A\$984M
CASH ²	A\$94.5M
ENTERPRISE VALUE	A\$889M

EXISTING REGISTER COMPOSITION



BOARD OF DIRECTORS

Gary Lethridge Non-Executive Chairperson <ul style="list-style-type: none">Significant corporate experience from discovery to productionEx-Jubilee Mines and LionOre Mining executive	Paul Savich Managing Director <ul style="list-style-type: none">Diverse experience from project generation to FEEDPreviously at Metaliko/Echo (\$4m Bronzewing acquisition, \$300m takeover by Northern Star Resources)
Tom Lyons Executive Director <ul style="list-style-type: none">International experience advancing projects from exploration to advanced studies and permittingOver 10 years of experience in the region	Rhys Bradley Non-Executive Director and Co. Sec <ul style="list-style-type: none">Extensive capital markets experience and global investor relationshipsESG and compliance professional currently CFO and Co. Sec. at Agrimin Ltd

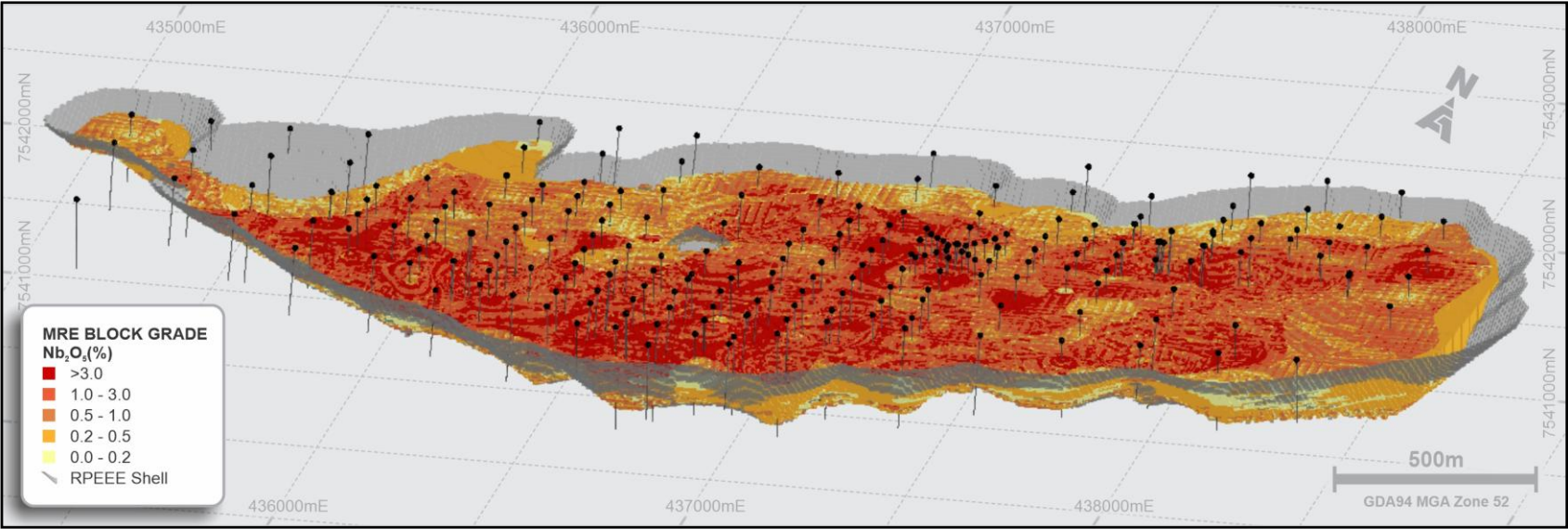
KEY PERSONNEL

David English , Project Director	Roy Gordon , Metallurgical Manager
Emma Gaunt , Head of Regulatory & Stakeholder Relations	Lahiru Basnayaka , Senior Metallurgist
Stephanie Wray , GM Exploration & Geology	Clovis Sousa , Niobium Processing Advisor
Andrew Dunn , Geology Manager	Tom Hunter , GM Corporate & Finance
Richard Nash , Exploration Manager	Gustavo Macedo , Niobium Marketing Advisor
Paull Parker , Consultant Geologist	

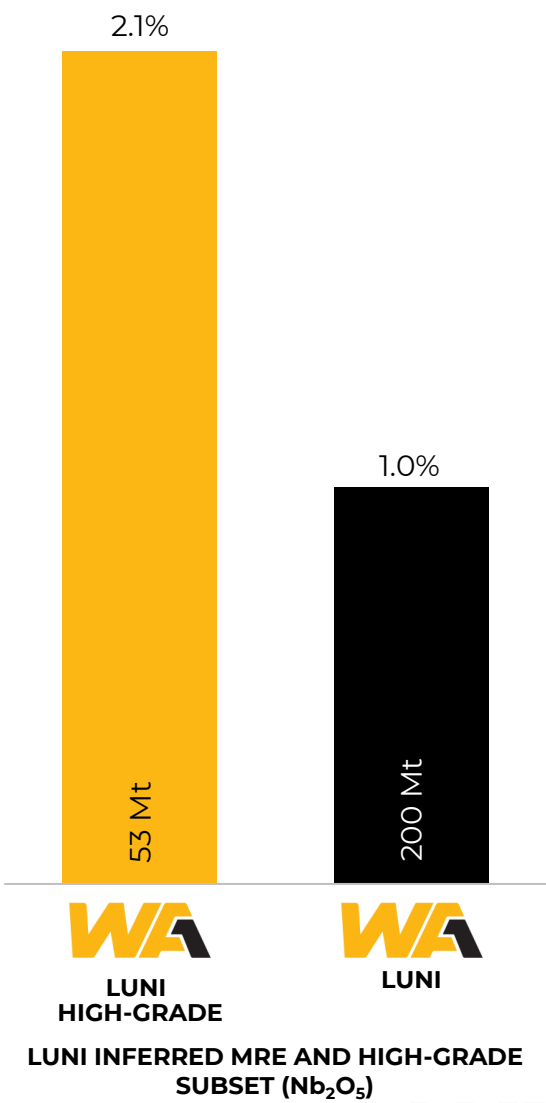
1. Exercise price of \$0.30 per share
2. Cash balance as at 30 September 2024

LUNI MINERAL RESOURCE¹

- Inferred Mineral Resource estimate (MRE) contains world-class grade and scale:
 - **200 Mt @ 1.0% Nb₂O₅**
- The MRE contains a significant high-grade subset of:
 - **53 Mt at 2.1% Nb₂O₅**
- Deposit characteristics indicate Luni may be amenable to open pit mining
- An enriched profile is currently being mined at the Araxá niobium mine in Brazil



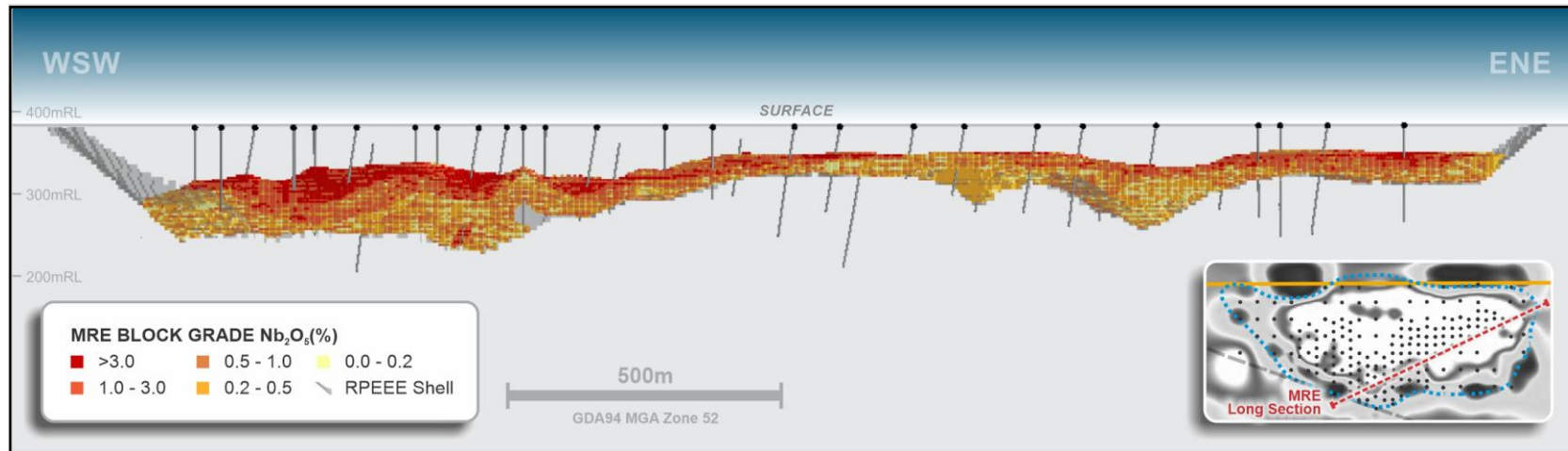
LUNI MRE 3D VIEW (LOOKING NNW, ALL ESTIMATED DOMAINS) AND RPEEE SHELL



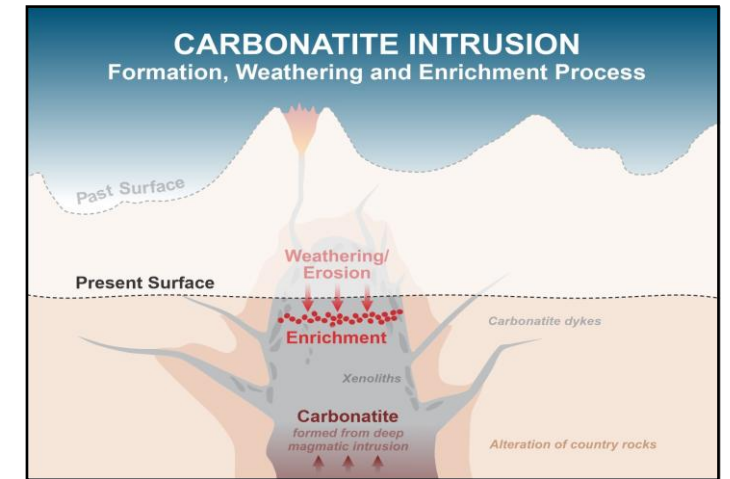
Refer to appendices for full list of references

LUNI MINERAL RESOURCE¹

- Drilling has focused on defining a shallow enriched blanket of high-grade niobium mineralisation
- Resource drilling has continued to better define high-grade zones to increase resource confidence
- The Mineral Resource commences between 30m and 70m below surface and has been defined to a maximum depth of 190m, with an average thickness of 30m
- Most significant niobium discovery in more than 70 years



LUNI MRE LONG SECTION (LOOKING NNW, ALL ESTIMATED DOMAINS) AND RPEEE SHELL



LUNI CARBONATITE SCHEMATIC²



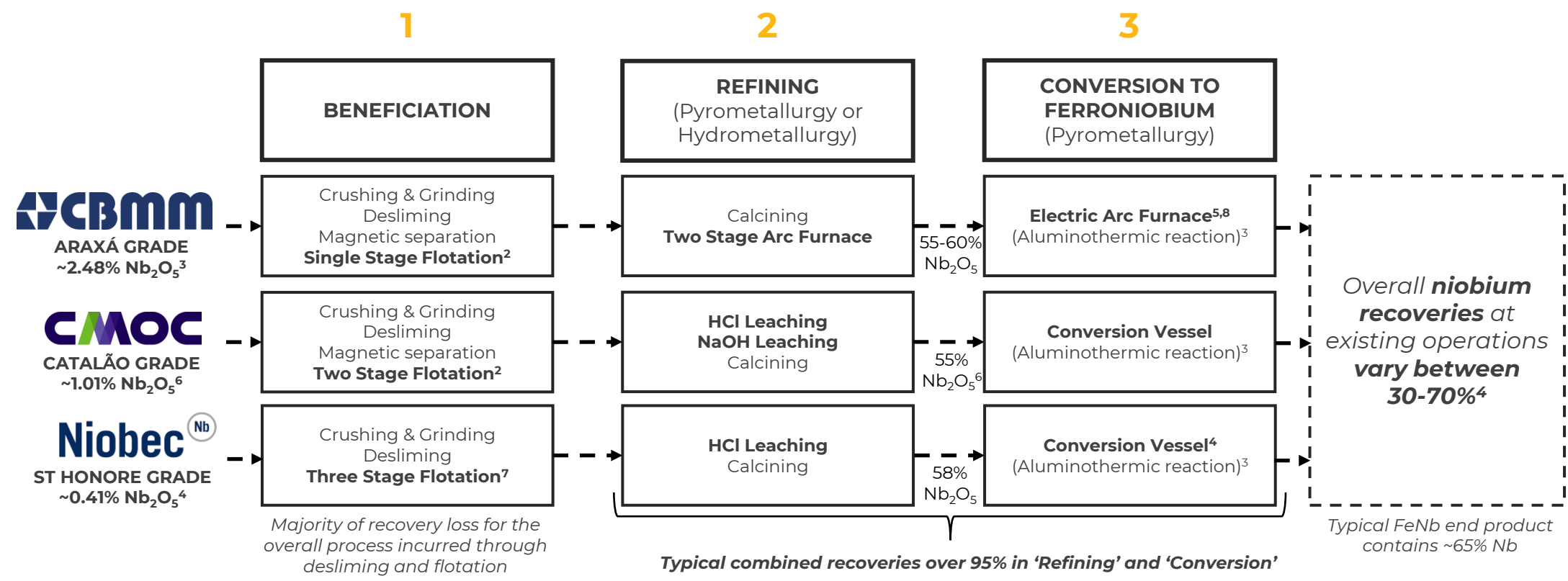
East Infill



Southern Infill

NIOBIUM INDUSTRY PROCESS FLOWSHEETS¹

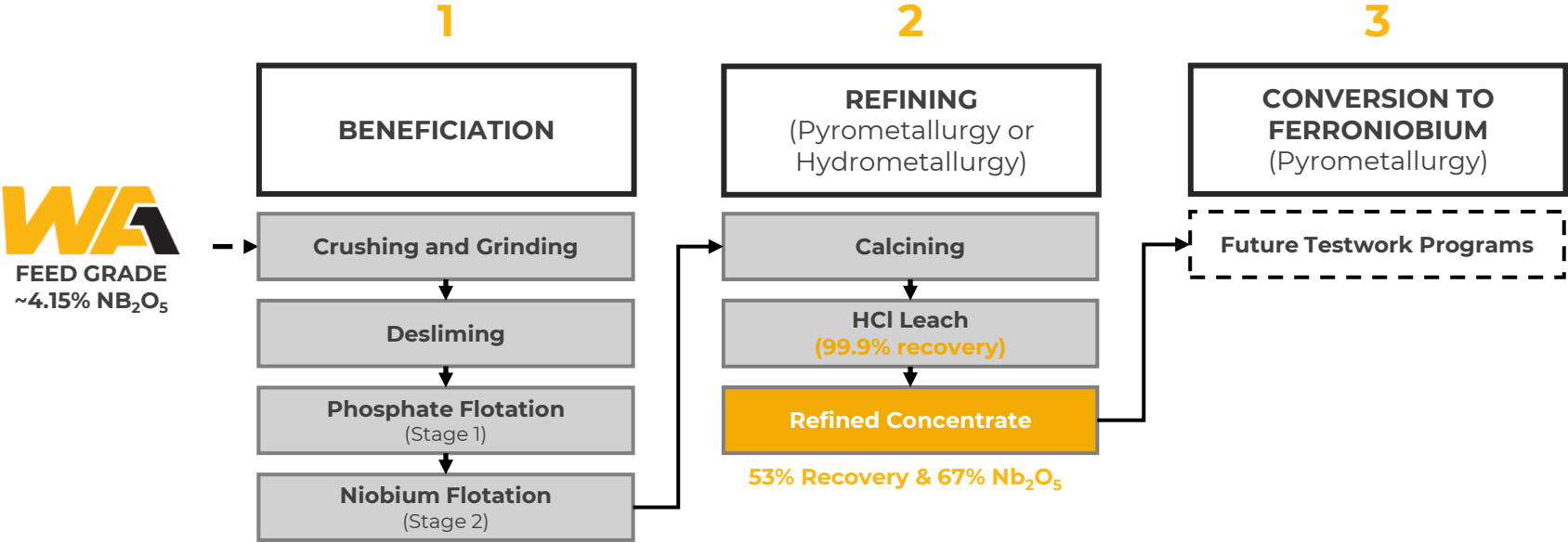
- The three existing niobium mines follow a similar flowsheet to produce a ferroniobium end-product for direct use in the steelmaking process
- WAI is testing a conventional flowsheet utilising similar steps to the three existing mines
- Differences in the mineralogy of the existing operations requires slight alterations to the flowsheet for optimisation



SIMPLIFIED, ADAPTED PROCESS FLOWSHEETS FOR THE THREE EXISTING NIOBIUM OPERATIONS

Refer to appendices for full list of references

INITIAL PROCESS TESTWORK RESULTS FOR LUNI¹



SIMPLIFIED LUNI LOCK CYCLE BENEFICIATION AND REFINING TESTWORK FLOWSHEET

- Initial beneficiation testwork on sample material from a single drillhole, demonstrated a high-grade niobium concentrate can be produced at excellent recovery rates
- Key niobium minerals, pyrochlore and columbite, are both being collected through flotation
- Refining results demonstrate the ability to produce a clean, high-grade niobium concentrate using conventional refining steps with excellent recovery
- Results allow for progression to testing conversion to ferroniobium, along with expanding testwork within the key northeastern zone of the deposit

	Nb ₂ O ₅ %	Fe ₂ O ₃ %	Ta %	SiO ₂ %	CaO %	Al ₂ O ₃ %	P ₂ O ₅ %	SrO %	U ppm	Th ppm	Pb %
Sample Feed ²	4.15	6.29	0.1	22.6	30.8	3.56	24.9	1.55	87	84	<0.01
Lock Cycle Concentrate ²	57.90	11.70	<0.1	1.90	6.83	1.02	4.51	6.45	161	326	0.06
Refined Concentrate ³	66.90	13.81	0.04	2.76	2.20	0.62	0.18	6.43	181	383	0.09

INITIAL PROCESS TESTWORK ANALYSES

Refer to appendices for full list of references

PRE-DEVELOPMENT ACTIVITIES

- Key infrastructure established to support ongoing exploration and pre-development activities
- Long lead time de-risking studies and activities are underway, including environment, community, hydrogeology, geotechnical, infrastructure and transport workstreams
- Drilling is ongoing at Luni to increase confidence in the initial MRE, provide sample for ongoing process testwork programs and for long lead de-risking activities
- Metallurgical testwork to date completed at Luni has been highly successful with planning underway to test conversion of the refined concentrate to meet the specifications of a commercial ferroniobium product
- Variability and optimisation testwork on the beneficiation stage is ongoing in the northeast zone of the deposit to support initial studies
- Other metallurgical testwork programs are ongoing, including:
 - Mineralogy assessments
 - Comminution, classification and desliming testwork
 - Physical separation testwork to compliment beneficiation
 - Geometallurgical modelling
 - Bulk concentrate production for downstream testing
 - Planning for the collection of bulk samples to support pilot-scale flowsheet testing





Luni Camp Expansion 2024

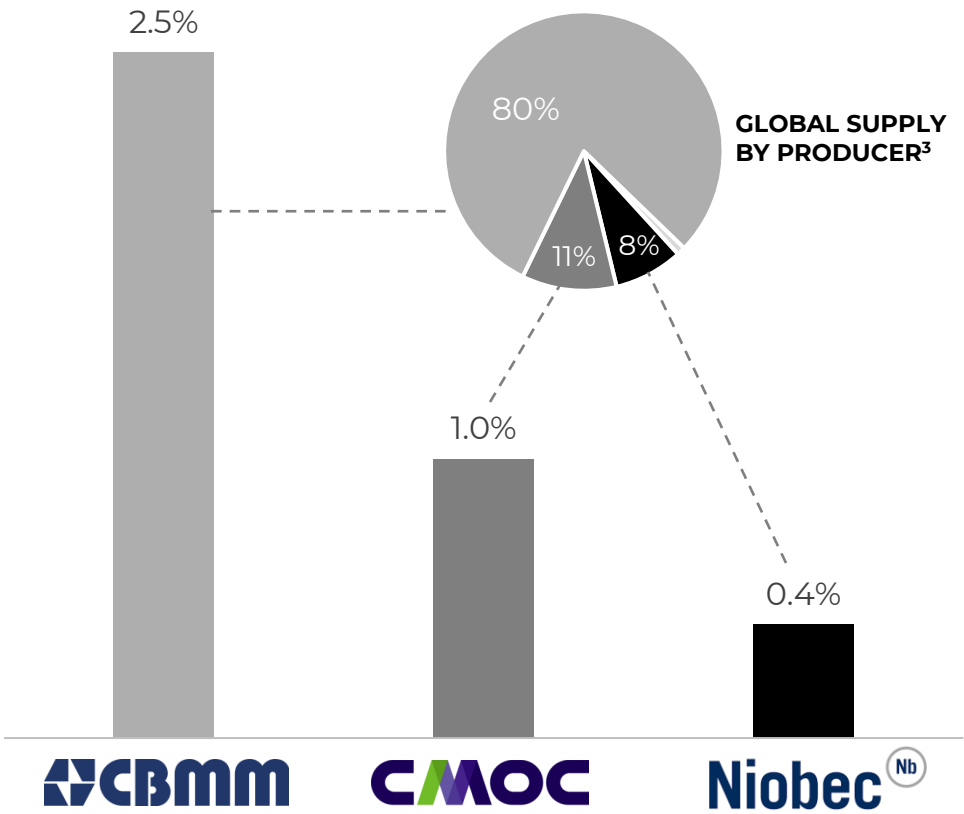
COMMUNITY & SUSTAINABILITY

- The West Arunta Project is located on the lands of two native title groups:
 - Parna Ngururrpa (Luni niobium deposit, non-process infrastructure)
 - Tjamu Tjamu (project access, NPI and transport corridor)
- Negotiation Protocols are in place with both native title groups providing a pathway for consultation for a mining operation
- WAI has ongoing community benefit programs supporting local initiatives
- Fauna field studies were completed in May and further studies completed in September
- Flora field studies were completed in April with further studies completed in October
- By year end, detailed flora and fauna studies are anticipated to be completed with further targeted flora and fauna studies being planned for 2025
- A number of other ecological studies are being progressed in accordance with Government guidance and undertaken in partnership with the Ngururrpa and Kiwirrkurra Rangers



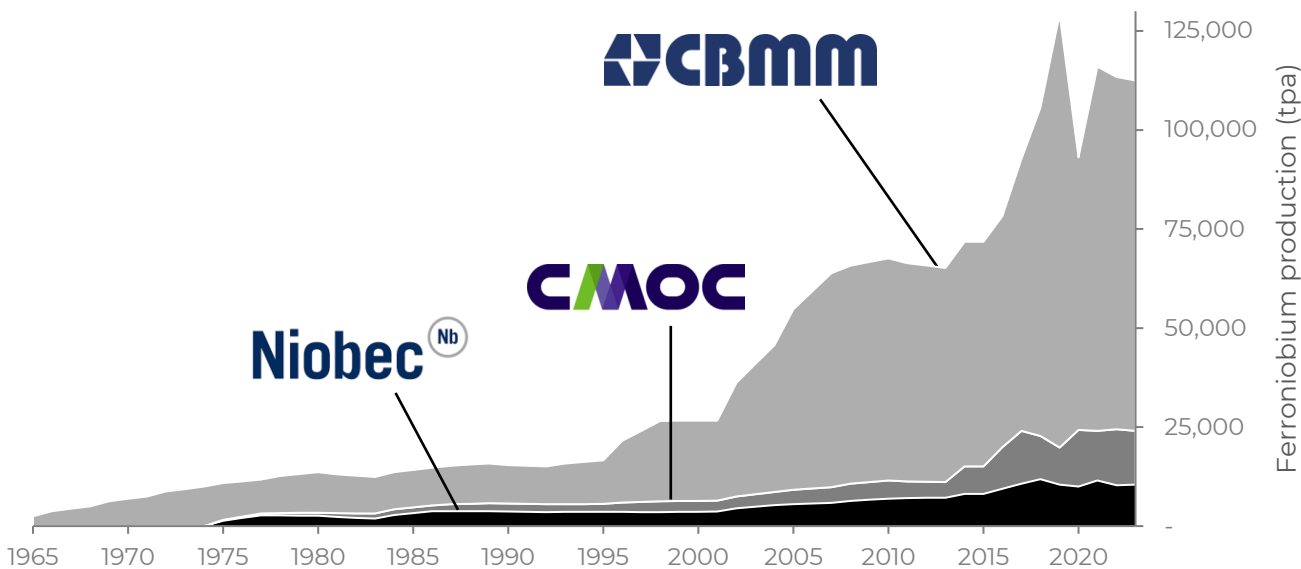
GLOBAL NIOBIUM SUPPLY

GRADE OF KEY NIOBIUM PRODUCERS¹ (Nb₂O₅)

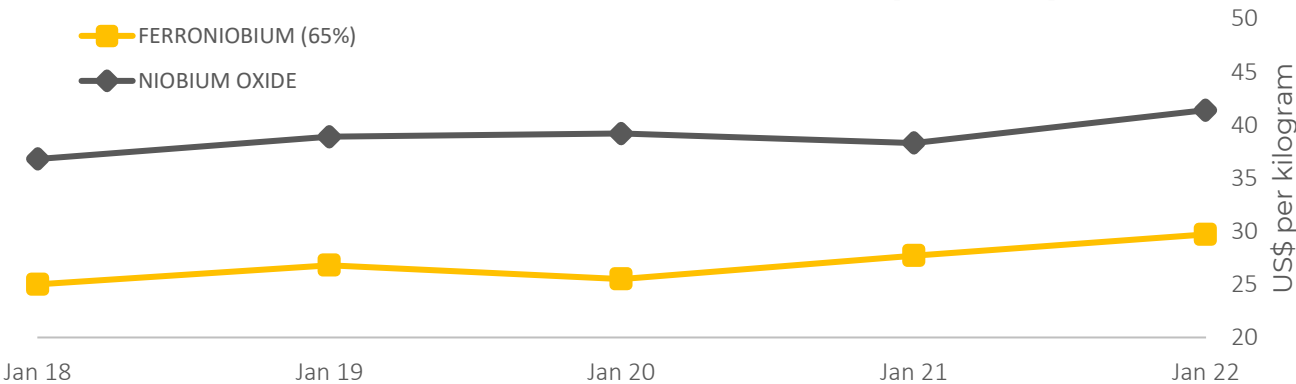


**HIGH MARGIN PRODUCTION PROFILE:
US\$10-12/KG FERRONIUM OPEN PIT AND
<US\$19/KG FERRONIUM UNDERGROUND
OPERATING COSTS³**

GLOBAL FERRONIUM PRODUCTION²



HISTORIC PRICING BY PRODUCT (US\$/KG)



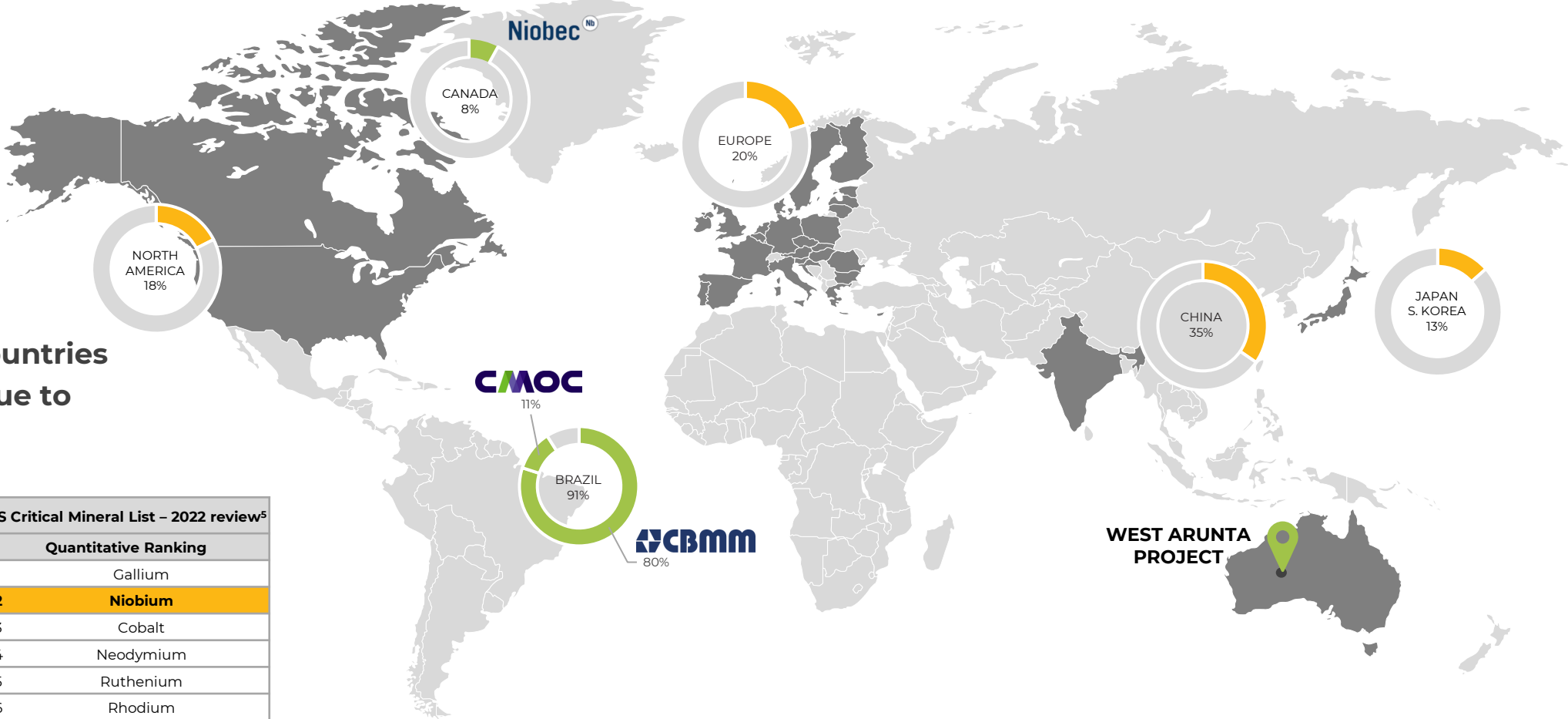
NIOBIUM MARKET DISTRIBUTION

- FeNb supply¹
- FeNb demand²
- Listed as critical³

Identified by many countries as a critical mineral due to supply concentration

EU Critical Mineral Rankings - 2023 ⁴	
Supply Risk	
1	HREE
2	Niobium
3	Magnesium
4	HREE Terbium
5	Phosphate Rock
6	Titanium Metal
7	PGM Ruthenium
8	HREE Lutetium
9	LREE Cerium
10	Silicon Metal

US Critical Mineral List – 2022 review ⁵	
Quantitative Ranking	
1	Gallium
2	Niobium
3	Cobalt
4	Neodymium
5	Ruthenium
6	Rhodium
7	Dysprosium
8	Aluminium
9	Fluorspar
10	Platinum



Diverse global customer base in developed jurisdictions

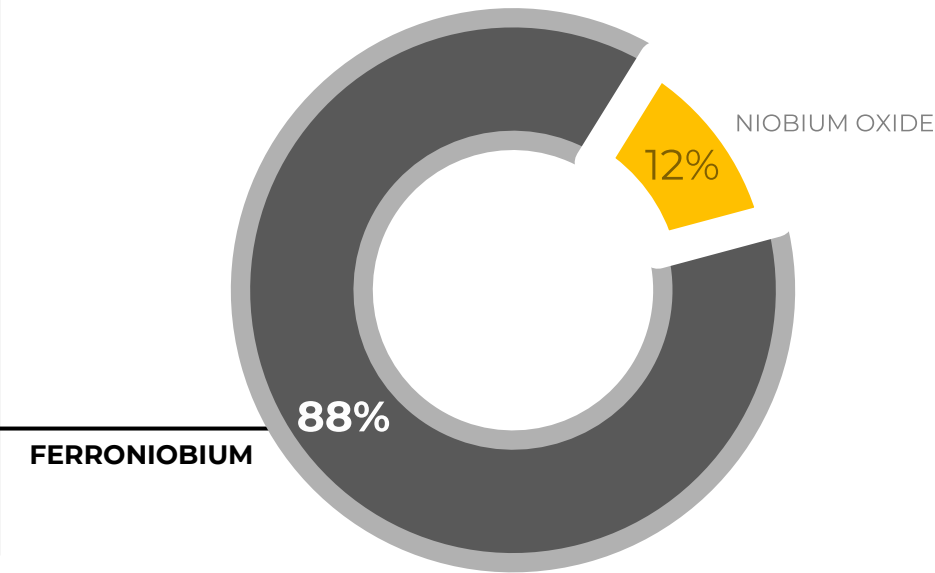
Refer to appendices for full list of references

FERRONIObIUM DEMAND

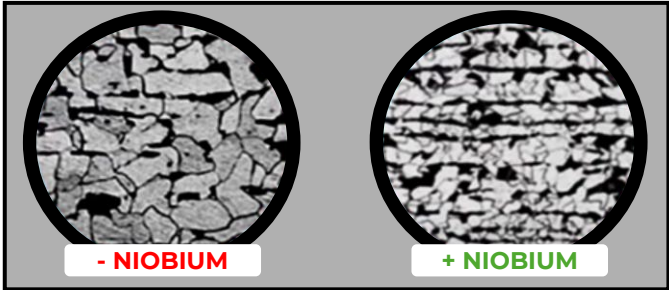


KEY FERRONIObIUM MARKETS

NIOBIUM DEMAND BY TYPE¹

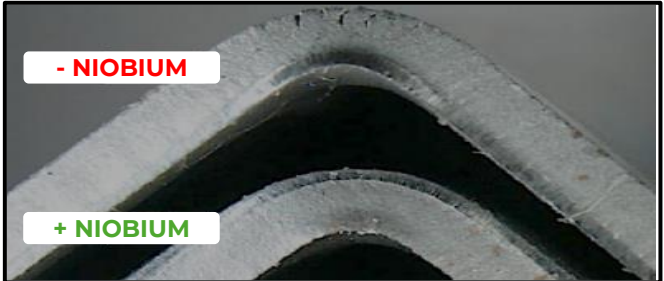


- Global ferroniobium production is approximately 115ktpa and sells for ~US\$30,000/t¹
- Micro-alloyed steels using niobium increase the efficiency of the steel industry
- Strength improvements allow lighter, more efficient steel components
- Grain refinement decreases cracking, with only 0.02% niobium needed²



GRAIN REFINEMENT: IMPACT ON MICROSTRUCTURE OF STEEL WITH NIOBIUM ADDITION³

IMPARTING STRENGTH, TOUGHNESS AND WELDABILITY THROUGH GRAIN REFINEMENT



IMPROVED FLAT SHEET FORMABILITY WITH NIOBIUM³

THE ONLY REPLACEMENT FOR STEEL IS BETTER STEEL

OPTUS STADIUM - PERTH

MARINA BAY SANDS - SINGAPORE

ONE WORLD TRADE CENTRE - NEW YORK

ZUN TOWER - CHINA¹

130,000t total steel used in construction

Adding 0.02% Nb to steel componentry
resulted in a total steel saving of 12,000t
while improving build quality

Utilised 40t of FeNb 65% costing US\$1.2m²

Saving 12,000t of steel valued at US\$6m²

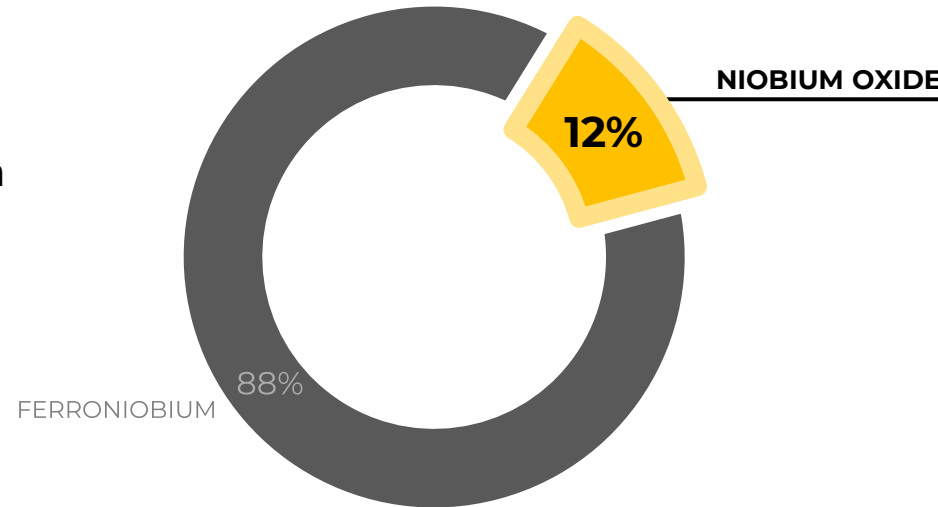
9% less carbon consumed

US\$4.8m net cost reduction

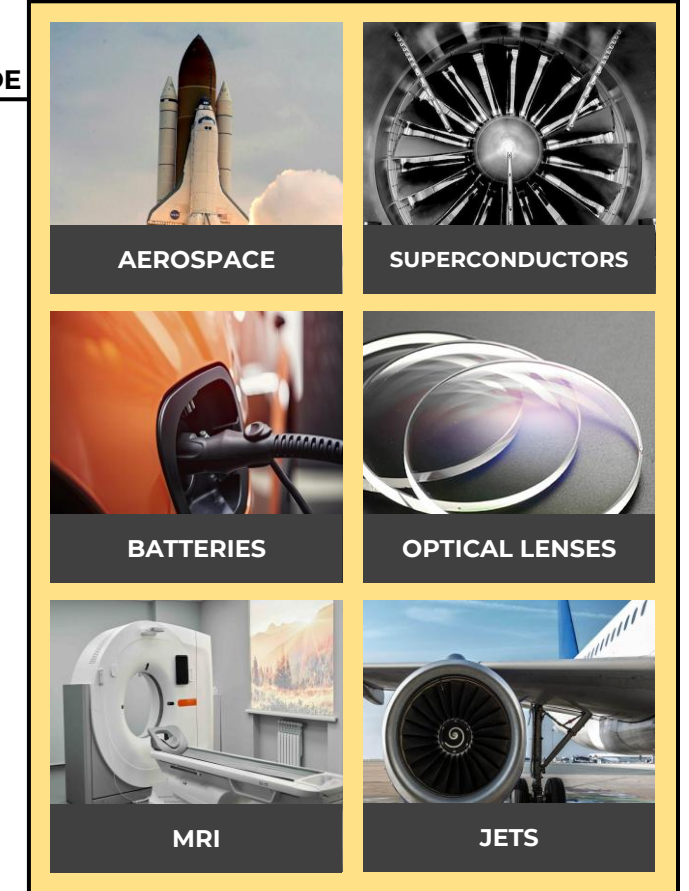
NIOBIUM OXIDE DEMAND

- Niobium oxide is predominately produced through additional treatment applied to refined ferroniobium¹
- Key established and high-growth markets include²:
 - Superconductive magnets and capacitors
 - MRI equipment
 - Optical lenses
 - High temperature alloys used in aerospace and defence applications
- Rapid developments in battery technology are expected to significantly increase niobium oxide demand

NIOBIUM DEMAND BY TYPE³



**ADVANCEMENTS IN TECHNOLOGY IS
ENABLED THROUGH THE USE OF
NIOBIUM OXIDE**

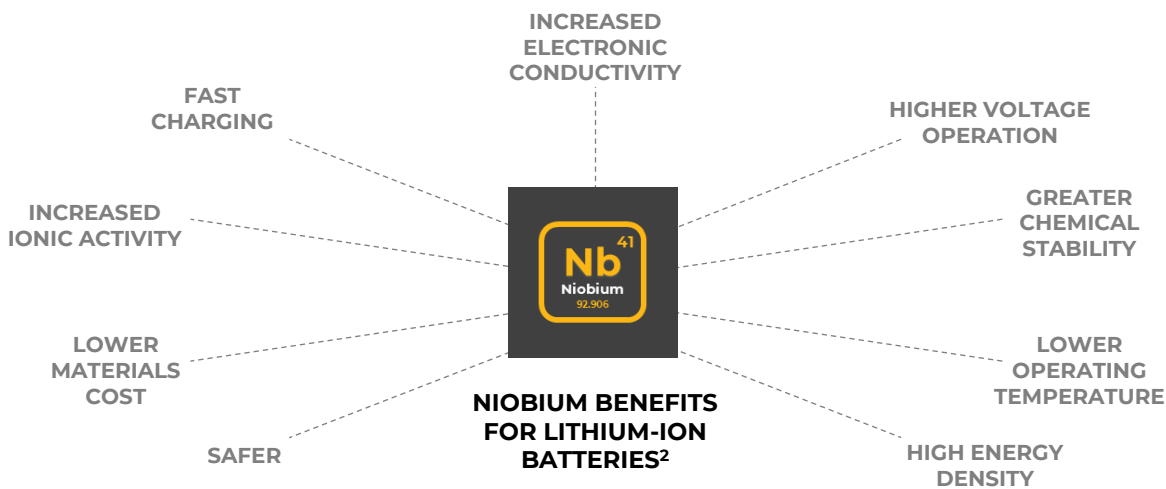


SPECIALTY NIOBIUM MARKETS

NIOBIUM OXIDE DEMAND – BATTERIES

NIOBIUM BATTERY TECHNOLOGY

- Up to 10x longer life than traditional batteries – significantly reducing e-waste^{1,2}
- Ultra-fast charging – full charge in 6 minutes or less²
- Increased stability – up to 20,000 fast charge and discharge cycles without performance loss²
- Smaller batteries – lighter, more efficient vehicles
- CBMM expects to increase their niobium oxide sales to 45ktpa by 2030⁴



NIOBIUM BATTERY LEADERS



VW, CBMM, TOSHIBA, SOJITZ ELECTRIC BUS WITH NIOBIUM BASED ANODE , JUNE 2024³

KEY PROJECT WORKSTREAMS



Drilling

Metallurgical, hydrogeological, infill and extensional drilling underway



Process Testwork

Optimisation and variability testwork is ongoing to support flowsheet development



Environmental

Baseline surveys and studies underway



Logistics

Multiple transport corridors and supply chain options are being assessed



Power & Water

Wind and solar data present a potential low carbon power solution¹
Detailed hydrogeological investigations and studies underway¹



Engineering Studies

Project design and engineering studies underway



Niobium Marketing

Niobium marketing advisor appointed with 20+ years experience at CBMM



Local Engagement

Negotiation protocol signed with two key native title holders²

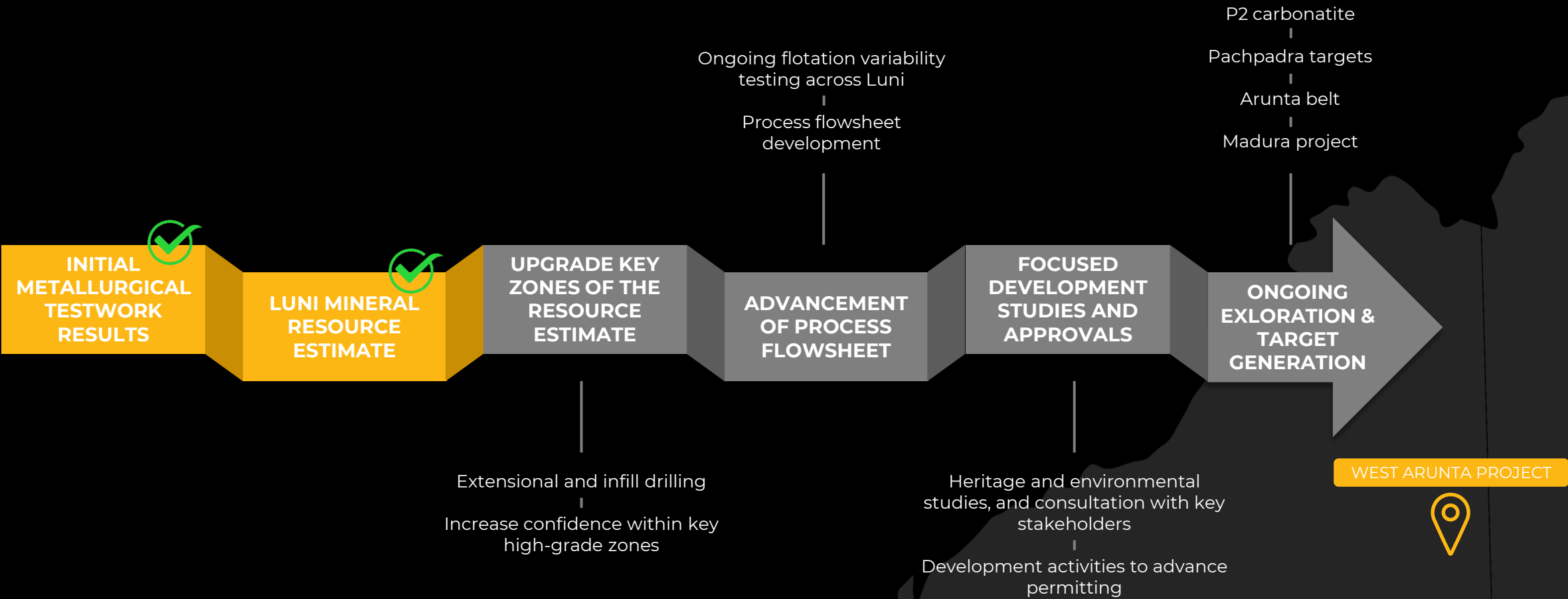


Critical Mineral

Favourable political sentiment both domestically and internationally

ADVANCING THE WEST ARUNTA PROJECT TO EFFICIENTLY UNLOCK STAKEHOLDER VALUE

Near-term Deliverables





ADVANCING AN ESSENTIAL CRITICAL MINERAL PROJECT FOR THE CONSTRAINED, HIGH-VALUE NIOBIUM MARKET

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APPENDIX A - REFERENCES AND NOTES

SLIDE 3

1. For full details refer to WA1 website and previous ASX announcements

SLIDE 5

1. For full details refer to ASX announcement dated 1 July 2024

SLIDE 6

1. For full details refer to ASX announcement dated 1 July 2024
2. Adapted from Lynas Corporation Ltd- Investor Presentation January 2010

SLIDE 9

Internally generated schematic, simplified and adapted from the following sources:

1. Henrique, P: 'Production of niobium: Overview of processes from the mine to products' Journal of Mining and Metallurgy. (2022)
2. Gibson, C.E: 'Niobium Oxide Mineral Flotation: A Review of Relevant Literature and the Current State of Industrial Operations' International Journal of Mineral Processing. (2015)
3. Shikik, A: 'A review on extractive metallurgy of tantalum and niobium' Journal of Metallurgy. (2020)
4. IAMGOLD Corporation, NI 43-101 Technical Report, Update on Niobec Expansion. (2013)
5. CBMM Infographic, viewed at <<https://cbmm.com/assets/infographic/en/index.html>> on 13/2/2024
6. China Molybdenum Co., Ltd. 'Major Transaction Acquisition of Angle America PLC's Niobium and Phosphates Businesses'. (2016)
7. One of Niobec flotation steps is completed after HCl leaching
8. Does not include niobium pentoxide production steps, outputs or recoveries
9. For full details refer to ASX announcements dated 19 June and 7 October 2024

SLIDE 10

1. For full details refer to ASX announcements dated 19 June 2024 and 7 October 2024
2. For full details refer to ASX announcement dated 19 June 2024
3. For full details refer to ASX announcements dated 7 October 2024

SLIDE 14

Note: All information derived from Mordor Intelligence: Global Niobium Market Report 2023 unless otherwise referenced

1. For full details refer to ASX announcement dated 28 August 2023
2. Internal company estimated production figures adapted from: USGS Annual Production Reports, IAMGOLD Corporation Technical Reports, Angloamerican Annual Reports, CMOC Annual Reports, CBMM Annual Sustainability Reports, IBRAM December 2012 Report, National Department of Mineral Production of Brazil, https://www.researchgate.net/publication/276106866_The_Evolution_of_the_Niobium_Production_in_Brazil viewed on 10/11/2023
3. NioBay Metals, Investors – Presentations, retrieved from <http://niobaymetals.com/wp/wp-content/uploads/2021/05/2021-05_Niobay_Corporate_Presentation_.pdf> on 25 October 2022

SLIDE 15

1. NioBay Metals, Investors – Presentations, retrieved from <http://niobaymetals.com/wp/wp-content/uploads/2021/05/2021-05_Niobay_Corporate_Presentation_.pdf> on 25/10/2022
2. Source: CBMM
3. Australian Critical Mineral List 2023
4. EU Critical Mineral List, retrieved from <https://op.europa.eu/en/publication-detail/-/publication/57318397-fdd4-11ed-a05c-01aa75ed71a1> on 24/10/2023
5. US Critical Mineral List, retrieved from <https://apps.usgs.gov/minerals-information-archives/articles/usgs-critical-minerals-review-2021.pdf> on 24/10/2023

SLIDE 16

1. Mordor Intelligence, Global Niobium Market, 2022
2. Source: Niobium Tech presentation "Niobium solutions for a sustainable future" viewed at <<https://niobium.tech/-/media/NiobiumTech/Images/Images---Pages--HUB/Embaixada-Toquio/PDFs/Niobium-solutions-for-a-sustainable-future---Niobium-technology-for-clean-energy.pdf>> on 19/7/2023
3. Images sourced from <http://Niobium.Tech>

SLIDE 17

1. Source: Niobium Tech presentation "Niobium solutions for a sustainable future" viewed at <<https://niobium.tech/-/media/NiobiumTech/Images/Images---Pages--HUB/Embaixada-Toquio/PDFs/Niobium-solutions-for-a-sustainable-future---Niobium-technology-for-clean-energy.pdf>> on 19/7/2023
2. Assumes a US\$500/t price of crude steel and \$30/kg FeNb 65% price

SLIDE 18

1. Journal of Mining and Metallurgy viewed at <http://scindeks-clanci.ceon.rs/data/pdf/1450-5959/2022/1450-59592201001D.pdf> on 14/11/2023
2. Source: CBMM
3. Mordor Intelligence, Global Niobium Market, 2022

SLIDE 19

1. 1,500 charge cycle life of Tesla Model 3 from <<https://www.motortrend.com/features/how-long-does-a-tesla-battery-last/#:~:text=Tesla%20CEO%20Elon%20Musk%20also,miles%20for%20Long%20Range%20versions.>>
2. <https://www.batterydesign.net/niobium-in-batteries/>
3. Retrieved from <<https://valorinternational.globo.com/business/news/2024/06/20/cbmm-advances-in-niobium-batteries-equipa-new-volkswagen-bus.ghml>> on 20/6/2024
4. Retrieved from <<https://www.reuters.com/article/business/autos-transportation/brazil-miner-cbmm-seeks-to-sell-45000-tons-of-niobium-oxide-by-2030-idUSL1N2KF2VE/>> on 24 June 2024

SLIDE 20

1. ASX: AMN released on 21 July 2020 and 17 November 2021
2. For full details refer to ASX announcement dated 19 October 2023 and 17 September 2024

APPENDIX B – MINERAL RESOURCE & COMPETENT PERSON STATEMENT

	Tonnes (Mt)	Nb ₂ O ₅ (%)	Nb ₂ O ₅ (kt)	P ₂ O ₅ (%)	P ₂ O ₅ (kt)
Inferred	200	1.0	1,900	8.8	17,000

- Mineral Resources are classified and reported in accordance with JORC Code (2012).
- The effective date of the Mineral Resource estimate is 30 June 2024.
- Part of the Mineral Resource that would potentially be extractable by open pit techniques is the portion of the block model that is constrained within an FeNb price of approximately US \$30/kg (contained Nb in FeNb payable at a price of US \$45/kg) optimised pit shell and above a 0.25% Nb₂O₅ cut-off grade.
- Estimates are rounded to reflect the level of confidence in the Mineral Resources at the time of reporting. Rounding may cause computational discrepancies.
- The Mineral Resources (and RPEEE shell that constrained the MRE) are reported within the WA1 licence boundaries.
- The information in this presentation that relates to Mineral Resources has been extracted from the ASX announcement titled “West Arunta Project – Luni MRE” dated 1 July 2024. This announcement is available to view on the Company’s website at www.wa1.com.au.
- The Company confirms that it is not aware of any new information or data that materially affects the information included in the original announcement and that all material assumptions and technical parameters underpinning the estimates in the original release continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the relevant original market announcement.

Competent Person Statements:

The information in this presentation that relates to Exploration Results is based on information compiled by Ms. Stephanie Wray who is a Member of the Australian Institute of Geoscientists. Ms. Wray is a full-time employee of WA1 Resources Ltd and has sufficient experience which is relevant to the style of mineralisation under consideration to qualify as a Competent Person as defined in the 2012 Edition of the “Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Ms. Wray consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

The information in this presentation that relates to metallurgical testwork results is based on information compiled by Mr. Roy Gordon who is a Member of the Australian Institute of Mining and Metallurgy (AusIMM). Mr. Gordon is a full-time employee of WA1 Resources Ltd and has sufficient experience which is relevant to the information and activities under consideration to qualify as competent to compile and report such information. Mr. Gordon consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears.

The information in this presentation that relates to Mineral Resources is based on information and supporting documentation compiled under the supervision of Mr René Sterk, a Competent Person, who is a Fellow and Chartered Professional of The Australasian Institute of Mining and Metallurgy (AusIMM) and member of the Australian Institute of Geoscientists (AIG). Mr Sterk is Managing Director of RSC, a global resource development consultancy. WA1 Resources Ltd has also contracted RSC to provide limited contracting and other advisory services. The full nature of the relationship between Mr Sterk, RSC, and WA1 Resources Ltd, including any issue that could be perceived by investors as a conflict of interest, has been disclosed. Mr Sterk has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’.