

WEST ARUNTA PROJECT

NOOSA MINING CONFERENCE

NOVEMBER 2023



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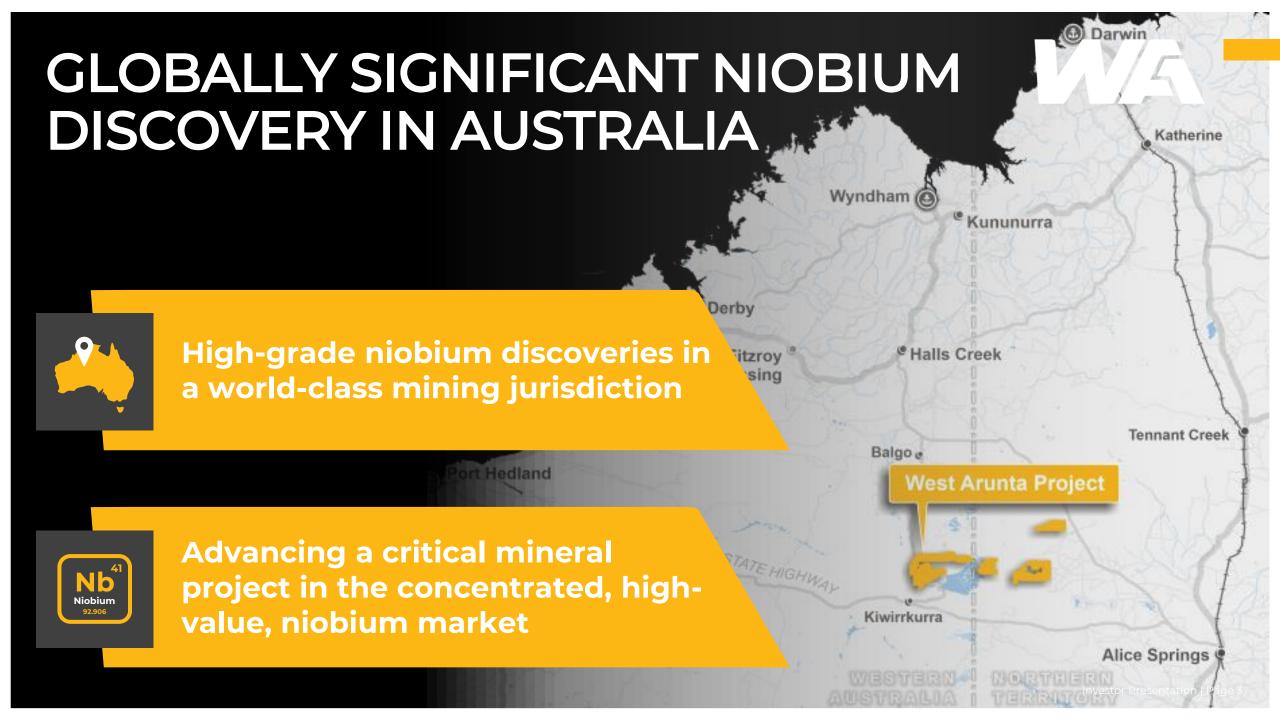
Competent Person Statement: The information in this presentation that relates to Exploration Results is based on information compiled by Ms. Stephanie Wray who is a Member of the Australian Institute of Geoscientists. Ms. Wray is a full-time employee of WA1 Resources Ltd and has sufficient experience 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 document that relates to mineralogical and metallurgical test work is based on, and fairly represents, information and supporting documentation reviewed by Mr Peter Adamini, BSc (Mineral Science and Chemistry), who is a Member of The Australasian Institute of Mining and Metallurgy (AusIMM). Mr Adamini is a full-time employee of Independent Metallurgical Operations Pty Ltd, who has been engaged by WA1 Resources Limited to provide metallurgical consulting services. Mr Adamini has approved and consented to the inclusion in this document of the matters based on his information in the form and context in which it appears

This presentation incorporates the results from exploration contained in WAI's ASX Announcements up until 15 November 2023. The Company confirms that it is not aware of any new information or data that materially affects the information included in these releases. All material assumptions and technical parameters underpinning these releases continues to apply and has not materially changed.

Authorisation Statement This presentation is authorised for market release by WA1's Board of Directors.

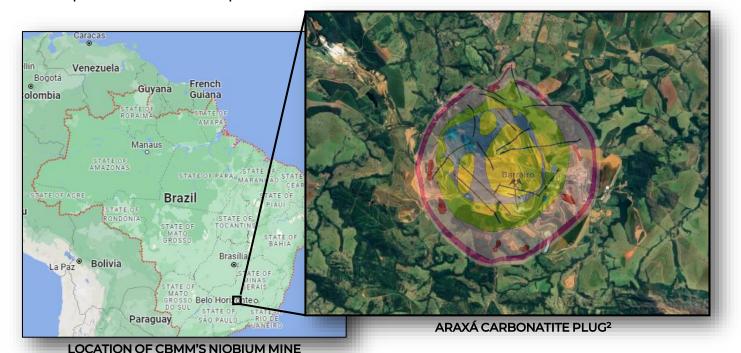
All currency amounts are in Australian dollars unless specified otherwise.



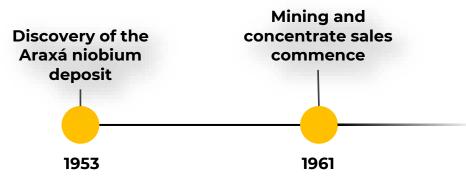
BIRTH OF THE NIOBIUM INDUSTRY



- The Araxá niobium deposit was discovered in 1953 and is located approximately 6km from the city of Araxá in the state of Minas Gerais, Brazil
- The carbonatite complex is circular in shape with an average grade of 2.5% Nb₂O₅ within its shallow high-grade enriched blanket³
- In 1961 mining commenced and niobium concentrate was exported to Europe

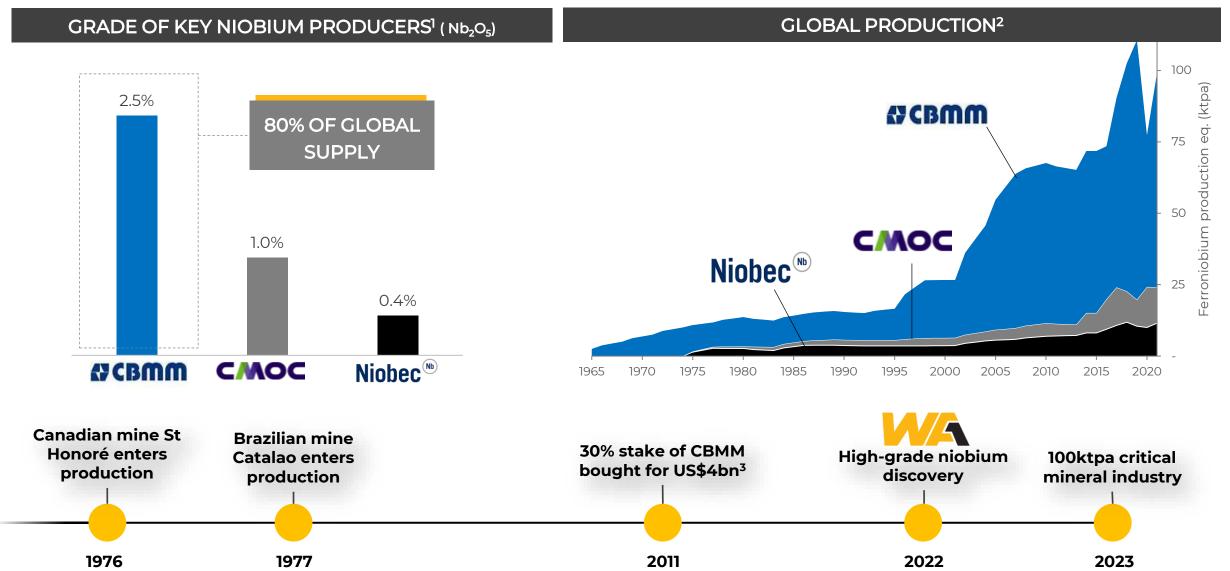






GLOBAL NIOBIUM SUPPLY



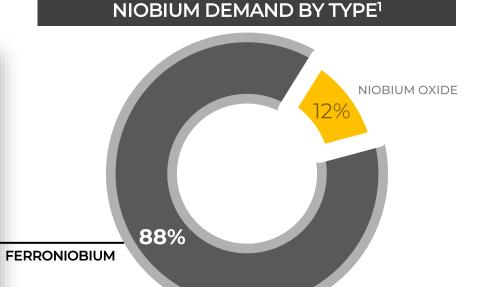


FERRONIOBIUM DEMAND



KEY FERRONIOBIUM MARKETS







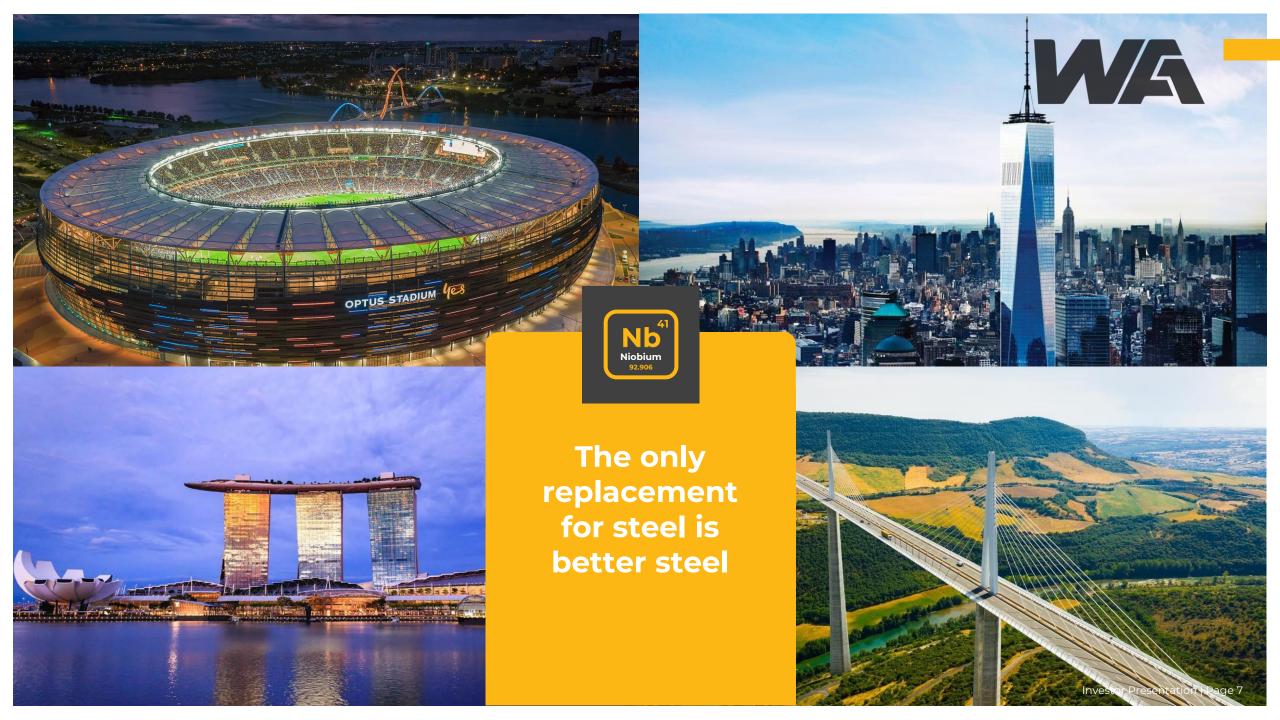
ADVANCED HIGH STRENGTH STEEL UTILISATION IN VOLVO SUV3

DEMATERIALISATION THROUGH OPTIMISED STEEL PROPERTIES USING NIOBIUM

- Global ferroniobium production is approximately 88ktpa 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 the cracking, with only 0.02% niobium needed²



IMPROVED FLAT SHEET FORMABILITY WITH NIOBIUM4

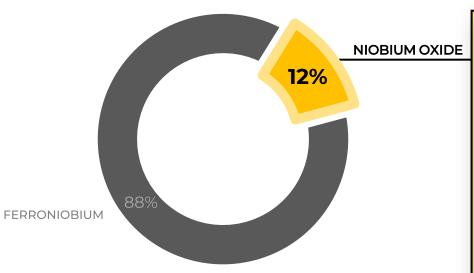


NIOBIUM OXIDE DEMAND



- Niobium oxide is predominately produced through additional treatment applied to refined ferroniobium¹
- Key established and highgrowth markets include²:
 - Superconductive magnets and capacitors
 - MRI equipment
 - Optical lenses
 - High temperature alloys used in aerospace and advanced 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



MRI

SPECIALTY NIOBIUM MARKETS

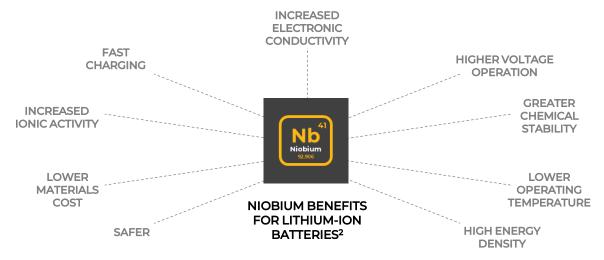
JETS

NIOBIUM OXIDE DEMAND – BATTERIES



NIOBIUM BATTERY TECHNOLOGY

- 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 2030¹



NIOBIUM BATTERY LEADERS

TOSHIBA





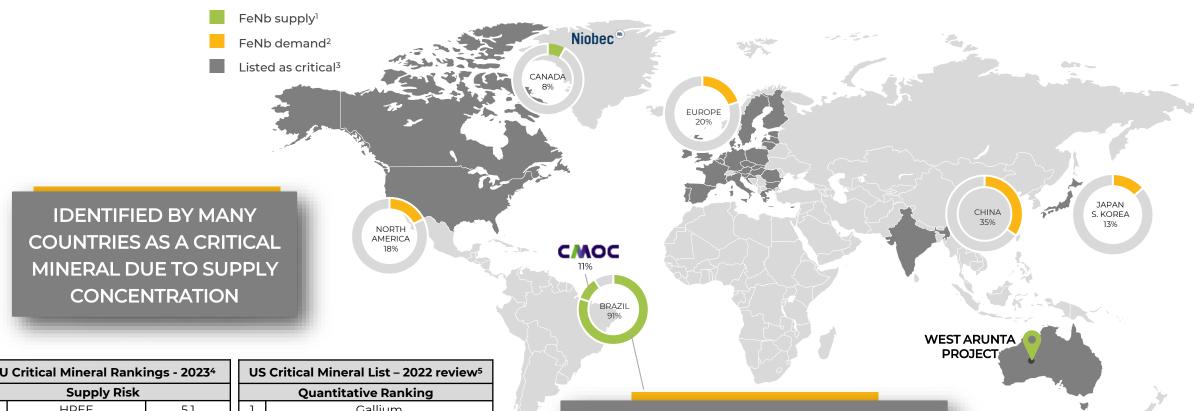






NIOBIUM MARKET DISTRIBUTION





EU Critical Mineral Rankings - 20234						
Supply Risk						
1	HREE	5.1				
2	Niobium	4.4				
3	Magnesium	4.1				
4	HREE Terbium	4.9				
5	Phosphate Rock	1				
6	Titanium Metal	1.6				
7	PGM Ruthenium	3.8				
8	HREE Lutetium	5.6				
9	LREE Cerium	4				
10	Silicon Metal	1.3				

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

CBMM 80% GLOBAL SUPPLY

STRATEGIC OWNERSHIP TRANSACTIONS⁶

JAPANESE KOREAN CONSORTIUM 15% US\$1.8B 2011 TRANSACTION

CHINESE CONSORTIUM 15% US\$1.95B 2011 TRANSACTION

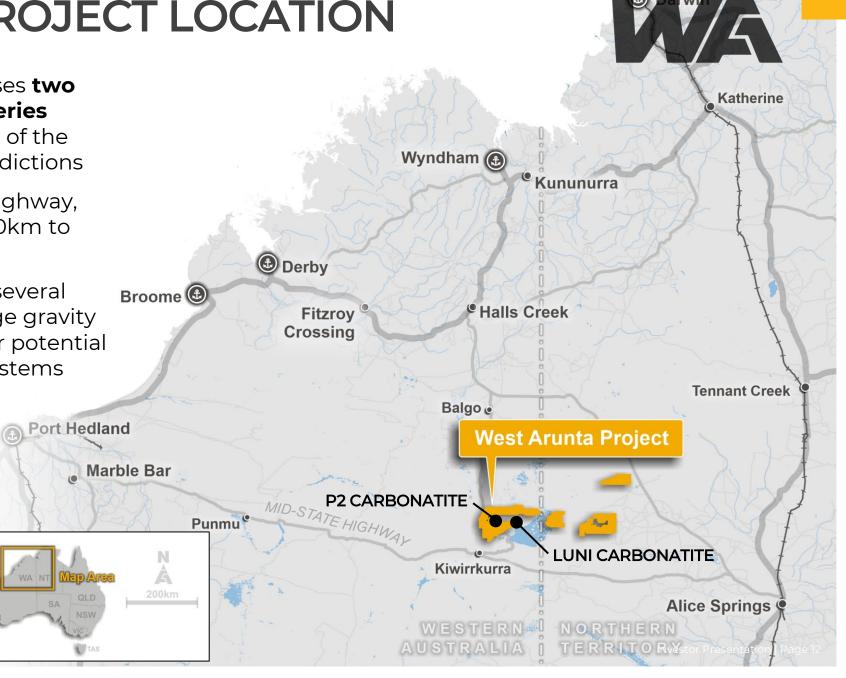


Advancing a globally significant critical mineral discovery



WEST ARUNTA PROJECT LOCATION

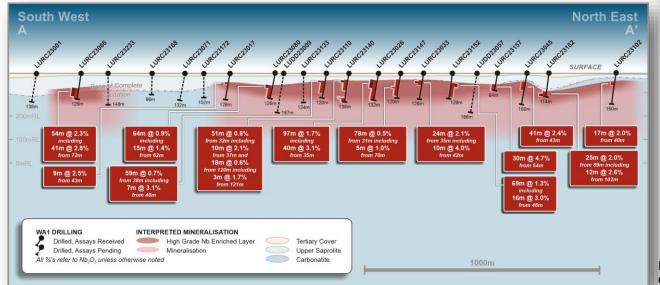
- The West Arunta Project comprises two mineralised carbonatite discoveries located in Western Australia, one of the world's pre-eminent mining jurisdictions
- Key access is via the Mid-State Highway, 1,300km to Port Hedland and 800km to Alice Springs
- The 2022 drill program followed several years of targeting and tested large gravity (+/- magnetic) anomalies for their potential to host significant mineralised systems
- Regional geological modelling and interpretation underpins expansion of tenure into the Northern Territory
- Tenement package now spans over 6,400km²



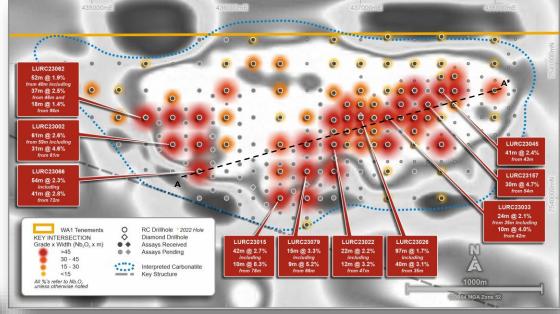
A TIER-1 CARBONATITE COMPLEX



- The Luni carbonatite extends for a total of
 3.5km wide and 1.5km long
- The Luni carbonatite is characterised by a discrete, very-high amplitude gravity anomaly with a limited but coincident magnetic response
- Luni is also located at the intersection of two interpreted regional structural features and proximate to the Central Australian Suture







- Broad spaced drilling has focused on defining a high-grade niobium enriched mineralised horizon
- Results released to date have confirmed a shallow zone of high-grade mineralisation with a northeast-southwest trend extending for over 2km

LUNI SIMPLIFIED CROSS SECTION¹

MINERALOGY AND METALLURGY



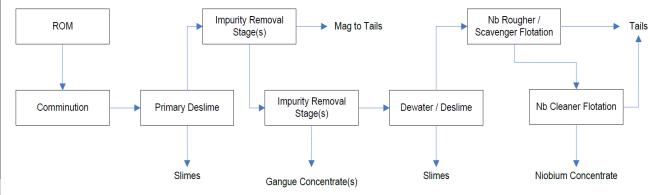
- Five composite samples have undergone detailed mineralogical assessment using QEMSCAN and XRD
- Dominant high-purity, primary niobium bearing minerals observed in the samples
- **Strong liberation properties** observed with niobium minerals in a size range commonly amenable to flotation
- Preliminary metallurgical amenability appears potentially favourable using conventional processing techniques

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	1/08/2023 HV mag □ HFW WD ——————————————————————————————————

LUNI DRILL SAMPLE IMAGES – LUDD23-006 CORE (FROM 44-48M) WITH INSET OF SEM IMAGE FROM LURC23033 (COMPOSITE SAMPLE FROM 40-48M) OF LIBERATED PYROCHLORE CIRCLED IN YELLOW¹

	Niobium minerals	Niobium content	Liberation of niobium minerals	Next steps
Preliminary mineralogy results	Pyrochlore Columbite	~70% Nb ₂ O ₅ ~74% Nb ₂ O ₅	>85% of -150 to +38um 'well- liberated' or 'high-grade middlings'	Completion of sighter beneficiation and flotation testwork using diamond core to commence in Q4-2023
Implications	Key minerals at existing global operations	High purity should assist with a quality end-product	Liberation should assist with concentration and recovery	

RESULTS FROM PRELIMINARY MINERALOGICAL CHARACTERISATION AND ASSESSMENT¹



SIMPLIFIED, ADAPTED PROCESS BLOCK FLOW DIAGRAM FOR THE CATALÃO MINE (BEFORE REFINING TO A FERRONIOBIUM OR NIOBIUM PENTOXIDE END-PRODUCT)²

KEY PROJECT WORKSTREAMS INITIATED





Drilling

Targeting a maiden Mineral Resource estimate in H1-2024



Process Testwork

Mineralogical and metallurgical testwork underway



Environmental

Baseline studies have commenced



Transport Studies

Multiple road and rail transport corridors available



Water

Regional sources with potential volume to support mining¹



Power Solution

Regional datasets show potential for a low-carbon power solution¹



Niobium Marketing

Niobium marketing advisor appointed with 20+ years experience at CBMM



Local Engagement

Negotiation protocol signed with supportive local communities²



Critical Mineral

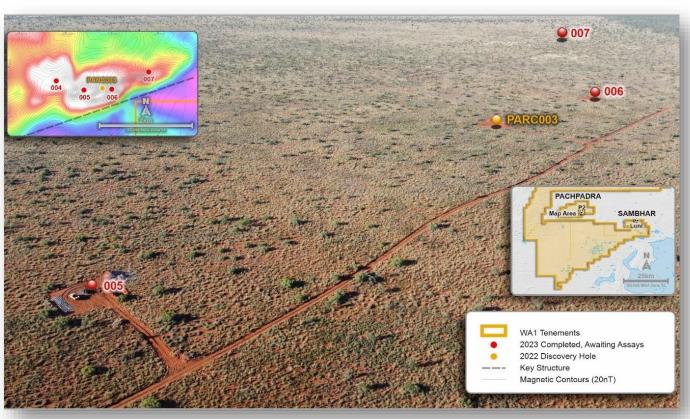
Supportive political sentiment both domestically and internationally



P2 CARBONATITE DISCOVERY



- First drill hole (announced October 2022) at the P2
 Target discovered a mineralised carbonatite
 system
- End of hole returned the highest-grade (1m @ 1.72% Nb₂O₅)¹ suggesting mineralisation may be open and have depth potential
- New geophysical data captured over P2 to further refine drill targeting
- A second reconnaissance four-hole RC drill program completed in July 2023 confirmed a significant intrusive system over an area of approximately 2.5km x 1.0km
- Assay results from the reconnaissance program expected in Q4-2023
- Planning is being finalised for a drilling program to define the grade and extent of mineralisation



AERIAL VIEW OF P2 DRILL PADS AT THE WEST ARUNTA PROJECT



Key infrastructure established for efficient ongoing exploration and development activities



LEADERSHIP TEAM

BOARD OF DIRECTORS

Gary Lethridge, Chairperson

- Significant corporate experience from discovery to production
- Ex-Jubilee Mines executive (\$3.1b takeover by Xstrata)

Paul Savich, Managing Director

- Diverse experience from project generation to FEED
- Previously at Metaliko/Echo (\$4m Bronzewing acquisition, \$300m takeover by Northern Star Resources)

Tom Lyons, Executive Technical Director

- International experience advancing projects from exploration to advanced studies and permitting
- A founder of the West Arunta Project with 10 years of experience in the region

Rhys Bradley, Director & Company Secretary

- Extensive capital markets experience and global investor relationships
- ESG and compliance professional currently CFO at Agrimin Ltd

KEY CONSULTANTS

















SENIOR MANAGEMENT

Lucas Stanfield, Project Manager

- Experienced mining engineer with more than two decades of experience in mine development and project management, specialising in mineral-rich carbonatites
- Previously Chief Development Officer at ASX listed Peak Resources and Chief Operating Officer at Mining Plus

Andrew Dunn, Geology Manager

- Experience ranging from exploration to grassroots to brownfield exploration across a variety of commodities
- Previously Exploration Manager at ASX listed lithium explorer Essential Metals

Stephanie Wray, Exploration Manager

- Planned and executed WAl's maiden drill program and has overseen the growth of WAl's geological capabilities to enable rapid project advancement
- Ex-Gold Fields with substantial resource definition experience

Lahiru Basnayaka, Senior Metallurgist

- Metallurgical expert who has developed flotation schemes for pyrochlore and other mineral beneficiation
- Previously Project Metallurgist at Lynas Rare Earths and Globe Metals & Mining

Tom Hunter, General Manager Corporate & Finance

- Chartered Accountant with 15+ years professional and corporate experience across a diverse industry base
- Extensive experience in company financing, corporate and commercial management

Gustavo Macedo, Niobium Marketing Advisor

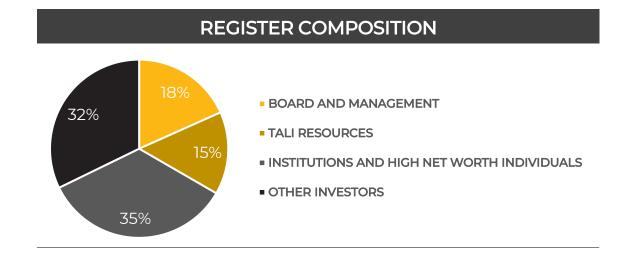
- Over 20 years' experience in the niobium industry, responsible for sales, marketing and market development
- Previously Managing Director of CBMM Europe, prior to this General Manager CBMM Asia



CORPORATE SNAPSHOT



CAPITAL STRUCTURE			
SHARE PRICE (15 NOVEMBER 2023)	A\$9.81		
SHARES ON ISSUE	56.7M		
OPTIONS ¹ AND PERFORMANCE RIGHTS	4.3M		
MARKET CAPITALISATION (UNDILUTED)	A\$557M		
CASH (PROFORMA) ²	A\$25M		
ENTERPRISE VALUE	A\$532M		





BOARD OF DIRECTORS

GARY LETHRIDGE Non-Executive Chairperson PAUL SAVICH Managing Director TOM LYONS Executive Director RHYS BRADLEY Non-Executive Director and Co. Sec

1. Exercise price of \$0.30 per share

Investor Presentation | Page 20

2. Amount includes cash balance at 30 September 2023 per quarterly cashflow statement and \$2.0m net Tranche 2 Placement proceeds approved at general meeting on 16 October 2023

KEY TAKEAWAYS





- Luni is a globally significant, large-scale niobium discovery
- Shallow, high-grade zone of enrichment will drive project economics
- Meaningful exploration upside at Luni, P2 and untested regional targets



- High-value critical mineral and key carbon reduction enabler
- Concentrated supply, with 90% of production from two Brazilian producers
- New niobium supply needed to support future adoption in EV batteries



- Highly successful board and exploration team
- Metallurgy and marketing appointments support project development activities
- Ensures WA1 is best placed to maximise current and future discovery potential



- Two drill rigs currently in operation at Luni
- Results from ~60% of the drill holes completed at Luni yet to be returned
- Maiden Mineral Resource estimate expected in the first half of 2024 to support development studies





Advancing an essential critical mineral project for the concentrated, high-value niobium market

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T: +61 422 602 720



References and Notes



- 1. https://cbmm.com/en/our-company/our-history
- 2. Adaptation from Zhou, L., 'Simplified geological map of the alkaline-carbonatitic complex, Araxá'
- 3. Source: CBMM Sustainability Report 2018

SLIDE 5

- 1. For full details refer to ASX announcement dated 28 August 2023
- Internal company estimated production figures adapted from: USGS Annual Production Reports, IAMGOLD
 Corporation Technical Reports, Angloamerican Annual Reports, CMOC Annual 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. Reuters article viewed at https://www.reuters.com/article/us-cbmm-niobium-idUKTRE7811UB20110902 on 14/11/2023

SLIDE 6

- 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 ArcellorMittal available at https://automotive.arcelormittal.com/news_and_stories/news/VolvoSafetyAward2019
- 4. Images sourced from http://Niobium.Tech

SLIDE 8

- 1. Journal of Mining and Metallurgy viewed at https://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 9

- 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/

SLIDE 10

- 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
- EU Critical Mineral List, retrieved from https://op.europa.eu/en/publication-detail/-/publication/57318397-fdd4lied-a05c-0laa75ed7lal on 24/10/2023
- US Critical Mineral List, retrieved from https://apps.usgs.gov/minerals-information-archives/articles/usgscritical-minerals-review-2021.pdf on 24/10/2023
- 5. Reuters article viewed at https://www.reuters.com/article/us-posco-cbmm-idINTRE7220EQ20110303 on 14/11/2023

SLIDE 12

For full details refer to WAI website and previous ASX announcements

SLIDE 13

- 1. For full details refer to ASX announcement dated 8 November 2023
- For full details refer to ASX announcements dated 16 November 2022, 6 February 2023, 1 May 2023, 5 & 29 June 2023, 21 & 28 August 2023, 26 September 2023, 26 October 2023, and 8 November 2023

SLIDE 14

- For full details refer to ASX announcement dated 5 June 2023
- Simplified, Adaptation from 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)

SLIDE 15

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