

Bell Potter Unearthed

Presentation

Rowena Smith

7 February 2023

Rare Earths.

Critical Minerals.

High-tech Metals.

Disclaimer & Competent Person's Statement

Forward Looking Statements

This presentation contains certain statements which constitute "forward looking statements". Often, but not always, forward looking statements can generally be identified by the use of forward looking words such as "may", "will", "expect", "plan", "believes", "estimate", "anticipate", "outlook" and "guidance", or similar expressions, and may include, without limitation, statements regarding plans; strategies and objectives of management; anticipated production and production potential; estimates of future capital expenditure or construction commencement dates; expected costs or production outputs; estimates of future product supply, demand and consumption; statements regarding future product prices; and statements regarding the expectation of future Mineral Resources and Ore Reserves.

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Forward looking statements are only predictions and are subject to known and unknown risks, uncertainties, assumptions, and other important factors that could cause the actual results, performances or achievements of the Company to differ materially from future results, performances or achievements expressed, projected or implied by such forward looking statements.

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Information on likely developments in the Group's business strategies, prospects and operations for future financial years and the expected results that could result in unreasonable prejudice to the Group (for example, information that is commercially sensitive, confidential or could give a third party a commercial advantage) has not been included below in this presentation. The categories of information omitted include forward looking estimates and projections prepared for internal management purposes, information regarding the Company's operations and projects, which are developing and susceptible to change, and information relating to commercial contracts.

Competent Person

The information in this Presentation that relates to ASM's Mineral Resources or Ore Reserves is extracted from ASM's ASX announcement titled "Information Memorandum and Demerger Booklet" released to ASX on 29 July 2020 and is available at www.asx.com.au. ASM confirms that it is not aware of any new information or data that materially affects the information included in that original market announcement and that all material assumptions and technical parameters underpinning the estimates in that announcement continue to apply and have not materially changed. ASM confirms that the form and context in which the findings of the Competent Person are presented have not been materially modified from the original market announcement.

Previously reported information

Information prepared and disclosed under the JORC Code has not materially changed since last reported in Company's ASX announcements available to view on the Company's website. The Company is not aware of any new information or data that materially affects the information included in this presentation and confirms that the material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.



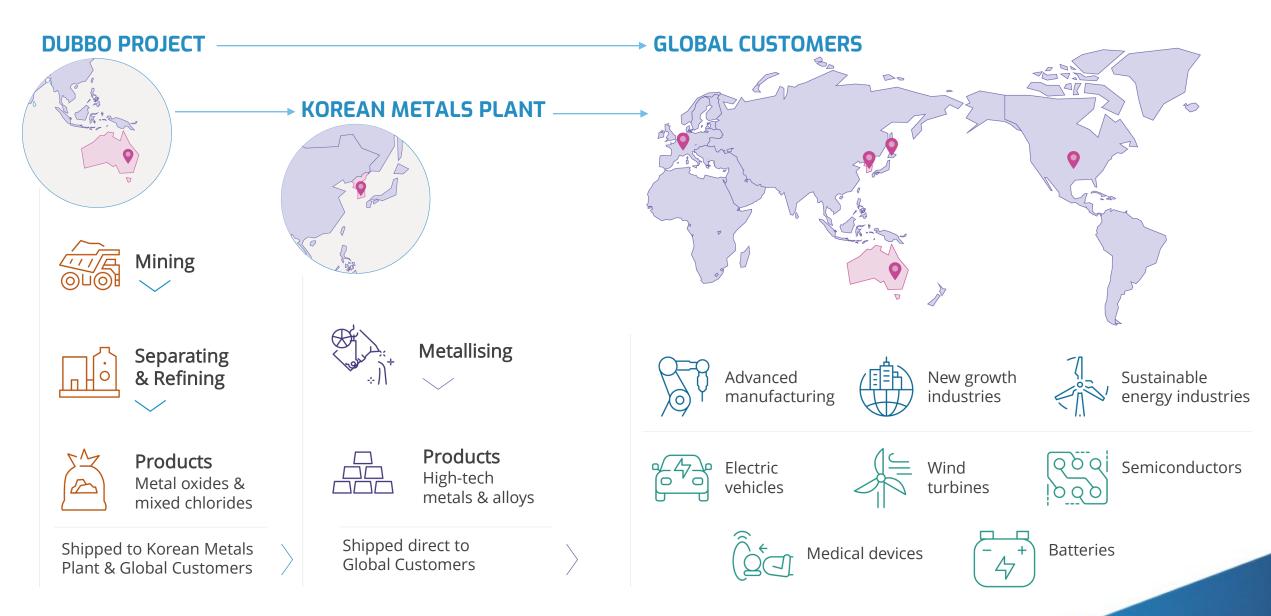
ASM

Building a global rare earths and critical minerals business to provide the high-tech metals needed to solve the challenges of today and the future.





From mine to metals



Sustainability

ASM wants to leave a legacy that delivers enduring benefits to the communities and regions where it operates.





Compelling ESG credentials

People and community



Health and safety



Renewable energy



Biodiversity management



MEMBER



PARTICIPANT

UN Global Compact



Corporate profile

Board of Directors



Ian GandelNon-Executive
Chair



Gavin SmithNon-Executive
Director



Nic Earner
Non-Executive
Director



Kerry Gleeson Non-Executive Director

Executive Management



Rowena Smith Chief Executive Officer



Jason CliftonChief Financial
Officer



Annaliese Eames General Counsel Joint Company Secretary



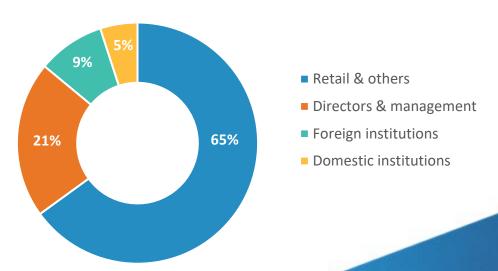
Frank Moon Chief Development Officer

ASX:ASM

Ordinary Shares (m)	166.7
Share Price	AUD 1.795
Market Capitalisation	AUD 318m
52 week low/high	AUD 1.350 - 9.420
Cash (at 30 Dec 2022)	AUD 71.9m

Except where stated, all data is as 31 Jan 2023

Share register profile (at 30 Dec 2022)





Establishing an integrated supply chain

DUBBO PROJECT

Mining **On-site Processing** Separation Purification Roasting Comminution -Refining

Products

- Neodymium praseodymium oxide
- Terbium oxide
- Dysprosium oxide
- Zirconia
- Hafnia
- Ferro Niobium

Status

- Optimisation Study delivered
- Approvals in place
- EPC Definition with HEC commenced
- Engaging with strategic investors
- Securing offtakes



KOREAN METALS PLANT

Feedstock		Metallising		Products		Status
3rd party feedstock until Dubbo Project on-line	>	Enhancing established processes	\rangle	Neodymium praseodymium metalNeodymium iron boron alloy	>	Sales commendFinalising alloyBuilding custor
3rd party feedstock	\rangle	Using innovative LK Process	\rangle	Titanium alloysTitanium powders	>	Alloy developmBuilding custor



- nced
- y commissioning
- omer base
- ment underway
- omer base



- Terbium metal
- Dysprosium metal
- Zirconium metal
- Hafnium metal

Future development



Korean Metals Plant

Rare earths and

critical minerals metallisation.

From ground breaking

to first delivery in 15 months.





Korean Metals Plant key facts



Opened
12 May 2022

Neodymium products initial focus
NdPr metal & NdFeB alloy



CuTi alloy using LK Process











Korean Metals Plant milestones and targets

Milestones achieved

✓ Nov 2020	Acquired Ziron Tech ¹ and R&D team joined ASM Progressed development of LK Process
✓ July 2021	Commenced construction
✓ Apr 2022	Completed construction ²
✓ May 2022	Opened KMP ³
✓ Jun 2022	Completed phase 1 equipment installation
	Secured KDB credit facility for AUD 24.4 million ⁴
✓ Jul 2022	Commenced NdPr metal production and ramp up
✓ Sep 2022	Signed first sales agreement and delivered first product ⁵
	First CuTi production using LK Process
✓ Dec 2022	Signed agreement with VTRE to establish a rare earths supply chain ⁶

Targets

> 1H 2023	Complete NdFeB strip caster commissioning
	Secure first sale NdFeB alloy
	Ramp up production of NdFeB alloy to 600tpa, aligned to sales
> 2H 2023	Install Phase 2 NdPr equipment for a NdFeB alloy capacity of 3,600 tpa
	Secure sales of CuTi alloy
> 1H 2024	Ramp up to 5,200 tpa production, aligned with customer sales (comprising 3,600 tpa NdFeB

alloy and 1,600 CuTi alloy)



Dubbo Project

The right project,

in the right place,

at the right time.





Dubbo Project key facts



Close to established infrastructure

25kms from Dubbo, NSW 400kms northwest of Sydney



Rare earths and critical minerals resource



20-year life of mine

Further 50 years of resource¹



Construction readiness

All major approvals in place
Land and water licences owned
EPC Definition commenced



Developed in partnership with ANSTO over 16 years



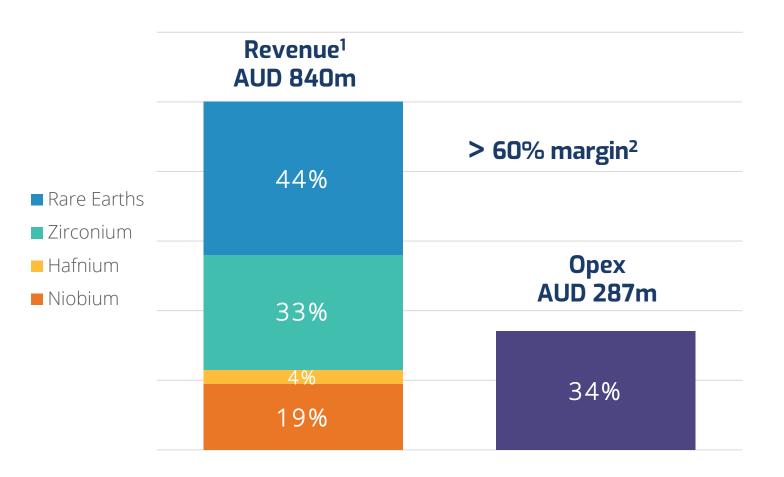
Up to 1,000 local jobs during construction

270 ongoing local jobs

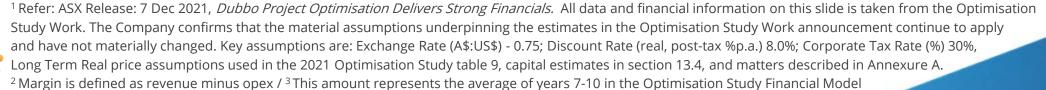




Dubbo Project delivers strong financials









Dubbo Project milestones and targets

Milestones achieved

✓ Jun 2021	Received AUD 200m Letter of Support from Export Finance Australia ¹
✓ Dec 2021	Finalised Optimisation Study Work ²
✓ May 2022	Received USD 15m from KCF Energy ³
✓ Jun 2022	Awarded EPCD contract to HEC ⁴
✓ Sep 2022	Signed MoU with KDB to establish a rare earths supply chain ⁵
✓ Dec 2022	Awarded \$10.5m grant funding from NSW government
✓ Jan 2023	HEC commenced Phase 1 of EPC Definition ⁶

Targets

	2H 2023	Secure bankable offtakes				
		Equity from strategic partner(s) /government(s)				
		HEC progresses EPCD work				
		Commence early establishment activities				
		Commence Korean and Australian ECA covered debt process				
	2H 2024	HEC complete EPCD work and submit EPC offer				
		Complete Project Financing				
		Take FID and award EPC				
		Commence construction				
>	2H 2026	Complete construction				
>	2027	First production and revenue				



Dubbo Project diversified revenue

Dubbo Products	Revenue Potential end users					
Nd/Pr Oxide Tb Oxide Dy Oxide	1,342 tpa 22 tpa 142 tpa	44% Rare earths	>	GM Hyundai Marubeni	Noveon NS World Samsung C&T	Tesla Other OEMs
Zirconia Dehafniated Zirconia	13,500 tpa a 2,500 tpa	33% Zirconium		ATI Framatome Gulbranson	lmerys Itochu Iwatani	KNFC LG Westinghouse
FerroNiobium	2,650 tpa >	19% Niobium		Hyundai Steel Nippon Steel Blue Scope Steel	Arcelor Mittal SeAH Steel POSCO	Thyssen Krupp Kobe Steel
Hafnium Oxide	30 tpa	4% Hafnium	>	ATI Framatome KNFC	LG Mitsubishi Electric Rolls Royce	Samsung Westinghouse

The Dubbo resource offers a diversified product suite, de-risking exposure to single commodity price volatility





Australian Strategic Materials

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