



**Rare Earths.**  
**Critical Minerals.**  
**High-tech Metals.**

## RIU Explorers Conference

Rowena Smith, Managing Director & CEO  
19 February 2025

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## 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 “Dubbo Project Optimisation Delivers Strong Financials” released to ASX on 7 December 2021 and is available at [www.asx.com.au](http://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.

## Registered office and principal place of business

Level 4, 66 Kings Park Road West Perth WA 6005 Telephone: +61 8 9200 1681



Australian Strategic Materials (ASM) is 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



## Dubbo Project



**Mining**



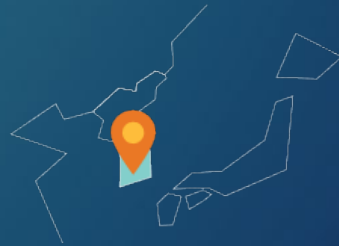
**Separating and Refining**



**Products**

Metal oxides and mixed chlorides

## Korean Metals Plant



**3rd Party Oxides**



**Metallising**



**Products**

High-tech metals and alloys

## Global Customers



**Advanced Manufacturing**



**New Growth Industries**



**Sustainable Energy Industries**



**Electric Vehicles**



**Wind Turbines**



**Semiconductors**



**Medical Devices**



**Batteries**

Option to ship direct to global customers

# Recent highlights



>A\$1.5B conditional debt funding for Dubbo Project construction (EFA, US EXIM and EDC)<sup>1</sup>

Successful optimisation of Dubbo Project flowsheet delivering potential capex and opex savings<sup>2</sup>

A\$5M Federal Gov't funding to support Rare Earth Options Assessment (lower cost pathways to RE production)<sup>3</sup>

NdFeB product validation success with potential customers (US, EU and Korea)<sup>4</sup>

New NdPr metal contract with established global permanent magnet manufacturer<sup>5</sup>

<sup>1</sup> Refer ASX Announcement: 21 March 2024, *ASM receives US\$600M (\$A923M) Letter of Interest from US EXIM*, and 6 April 2024, *Growing North American support builds momentum for Dubbo Project funding process*

<sup>2</sup> Refer ASX Announcement: 31 July 2024, *Quarterly Activities Report to 30 June 2024*

<sup>3</sup> Refer ASX Announcement: 15 October 2024, *ASM awarded A\$5M Federal Government grant for Dubbo Project*

<sup>4</sup> Refer ASX Announcement: 29 October 2024, *Quarterly Activities Report to 30 September 2024*

<sup>5</sup> Refer ASX Announcement: 30 January 2025, *Quarterly Activities Report to 31 December 2024*



# Dubbo Project

A unique ore body positioned to meet global demand.



Nd	Pr	Tb	Dy	Zr	Hf	Nb
Neodymium	Praseodymium	Terbium	Dysprosium	Zirconium	Hafnium	Niobium

# A secure, sustainable source



## Long life of mine

- 20-year life of mine based on reserves<sup>1</sup>
- Further 50 years of resource<sup>1</sup>



## Tier 1 jurisdiction

- 25kms from Dubbo, NSW – close to established infrastructure
- Within the Central-West Orana Renewable Energy Zone



## Strong financials<sup>1</sup>

- 23.5% pre-tax IRR
- A\$425 million annual free cash flow
- A\$1,678 million capital cost estimate including contingency



## Construction ready

- All major approvals in place
- Land and water licences owned
- Final engineering by Bechtel



## Advanced process flowsheet

- Developed in partnership with ANSTO over 17 years
- High-purity rare earth and critical mineral oxides



## Environment, Social & Governance credentials

- Targeting carbon net zero
- Top 10% best performing diversified metals-mining businesses



<sup>1</sup>Based on JORC reserves and resources. Refer to ASX Announcement: 7 December 2021, *Dubbo Project Optimisation Delivers Strong Financials*. All data and financial information on this slide is taken from the Optimisation Study Work. The Company confirms that the material assumptions underpinning the estimates in the Optimisation Study Work announcement continue to apply and have not materially changed.

# Rare Earth Options Assessment



## A\$5M International Partnerships in Critical Minerals Program<sup>1</sup>

Identifying potential lower capital and shorter implementation pathways for rare earth production

**Metallurgical Processing  
Testwork**

**Feasibility  
Study**

**Development of Resource  
& Reserve Statement**

**Business  
Case**

### Delivered



**Identify potential options**



**Core drilling &  
sampling program**



**Secured Federal  
Government funding**



### In progress



**Variability leaching  
testwork**



**Engineering work  
to support capex  
and opex estimates**



### To be delivered



**Leach testwork results**



**Assessment of options**



**Ore Reserve &  
Resource Report**

<sup>1</sup>Refer to ASX Announcement: 15 October 2024, ASM awarded A\$5M Federal Government grant for Dubbo Project



# Korean Metals Plant

Providing an alternative  
integrated supply chain  
for high-tech metals.

[Take a virtual tour on YouTube](#)



# In production & ramping up



	<b>Technical validations</b>	<ul style="list-style-type: none"><li>NdFeB product validation success with potential customers (US, EU and Korea)</li></ul>
	<b>Growing global customer base</b>	<ul style="list-style-type: none"><li>Metal and alloy contracts (domestic and export)</li><li>Building partnerships in key jurisdictions</li></ul>
	<b>Securing raw materials</b>	<ul style="list-style-type: none"><li>Advanced discussions with potential suppliers in the EU and US</li></ul>
	<b>Metallisation technology</b>	<ul style="list-style-type: none"><li>Developing innovative processes for dysprosium, terbium and titanium</li></ul>
	<b>Carbon net zero</b>	<ul style="list-style-type: none"><li>Carbon net zero in Scope 1 and Scope 2 emissions since commencement of operations</li></ul>



**Located in  
Ochang Foreign  
Investment Zone**

Approx. 115kms  
south of Seoul



## Growing momentum

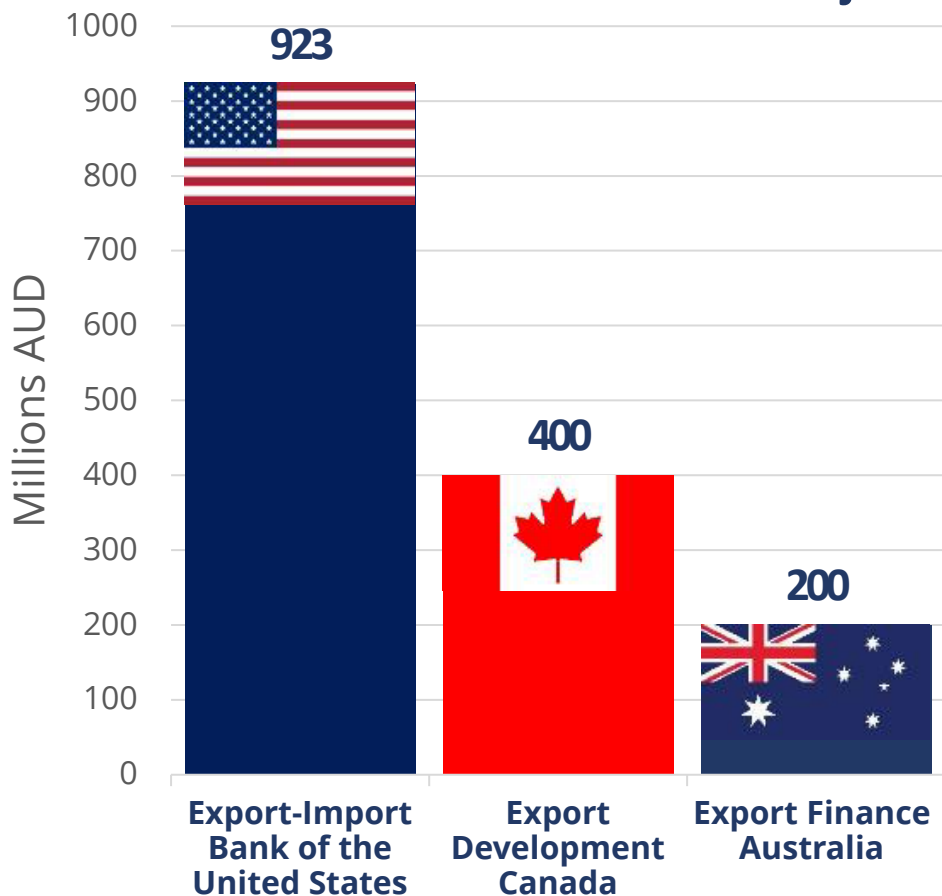
Global government support  
increasing offtake and  
funding opportunities.



# Global support for an alternative supply chain



## Conditional debt funding support for construction of the Dubbo Project



### United States

- Government policy  
- DPA III, DIBC, MSP
- Investment support  
- DoD, EMP
- Onshore opportunities  
- 2<sup>nd</sup> metals plant, 45X

### Global opportunities

- Export credit agencies  
- USEXIM, EDC, EFA
- Sovereign funds  
- Aus, Kor, EU
- Growing momentum in offtake discussions

# FY25 focus areas



Progress funding and offtakes for the Dubbo Project



Rare Earth Options Assessment – reducing cost and complexity



Growing customer and product suite to support KMP ramp-up



Cash management discipline across the business



Maintaining commitment to ESG principles and sustainable operations



**Rare Earths.**  
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**Thank you**  
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