



# Redefining the rare earths supply chain

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Rare Earths.  
Critical Minerals.  
High-tech Metals.

# ASM

Building a global rare earths  
& 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

Shipped to Korean Metals Plant and global customers

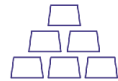
## KOREAN METALS PLANT



**3rd Party Oxide**  
ex. Vietnam



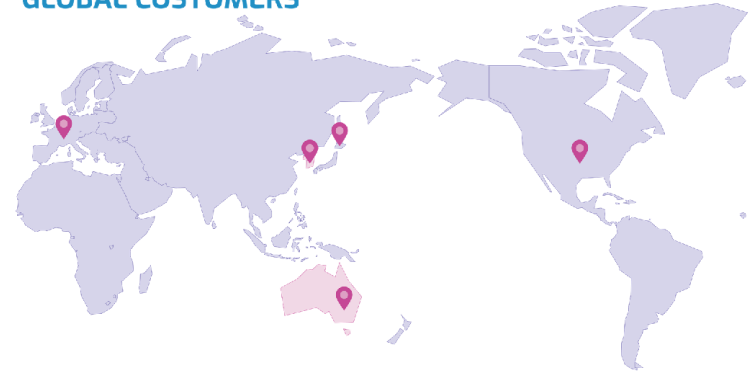
**Metallising**



**Products**  
High-tech metals and alloys

Shipped direct to global customers

## GLOBAL CUSTOMERS



**Advanced manufacturing**



**New growth industries**



**Sustainable energy industries**



**Electric vehicles**



**Wind turbines**



**Semiconductors**



**Medical devices**



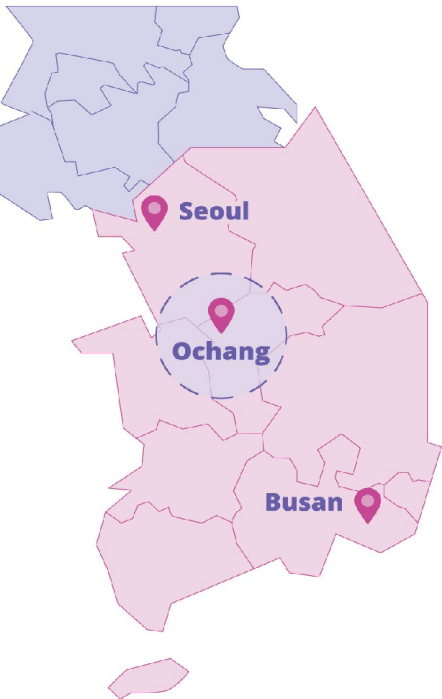
**Batteries**

# Korean Metals Plant

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



# Korean Metals Plant - in production & ramping up



**Located in Ochang  
Foreign Investment Zone**

Approx. 115kms south of Seoul



## Growing customer base

NdPr metal sales to Korea  
NdFeB alloy sales USA



## Securing raw materials

Vietnamese rare earth oxides  
Collaboration to strengthen supply chain



VIETNAM RARE EARTH JSC



## Production ramp-up

Initially towards 600tpa  
Phase 2 expansion to 3,600tpa<sup>1</sup>



## Titanium alloys in development

CuTi alloy using LK Process



## ISO 45001, 9001 & 14001 Accreditations

# Dubbo Project

A unique ore body  
positioned to meet  
global demand.



# Dubbo Project – targeting production in 2027



## Close to established infrastructure

25kms from Dubbo, NSW

400kms northwest of Sydney



## Rare earths & critical minerals resource

Neodymium, praseodymium, dysprosium, terbium, zirconium, hafnium, niobium



## 20-year life of mine

Further 50 years of resource<sup>1</sup>



## Construction readiness

All major approvals in place  
Land and water licences owned  
EPCD work progressing with Hyundai Engineering Co. Ltd

## Advanced flowsheet



Developed in partnership with ANSTO over 16 years

## Australian government support



\$17 million in Federal & State grants in FY23

## Environment, Social & Governance credentials



Tier 1 jurisdiction  
Targeting net zero carbon  
Top quartile ESG Risk Rating<sup>2</sup>



# ASM – mine to metals



Building an alternative supply chain



Producing high-tech metals & alloys



Dubbo Project construction ready



Strong ESG credentials



Experienced Management & Board





Thank you  
감사합니다

Rare Earths.  
Critical Minerals.  
High-tech Metals.