

# Alumina Limited

## ASX Connect

Mike Ferraro – Managing Director and Chief Executive Officer

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# Mike Ferraro

Managing Director and Chief Executive Officer

ALUMINA  
LIMITED



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# Alumina Limited

ASX Code: AWC

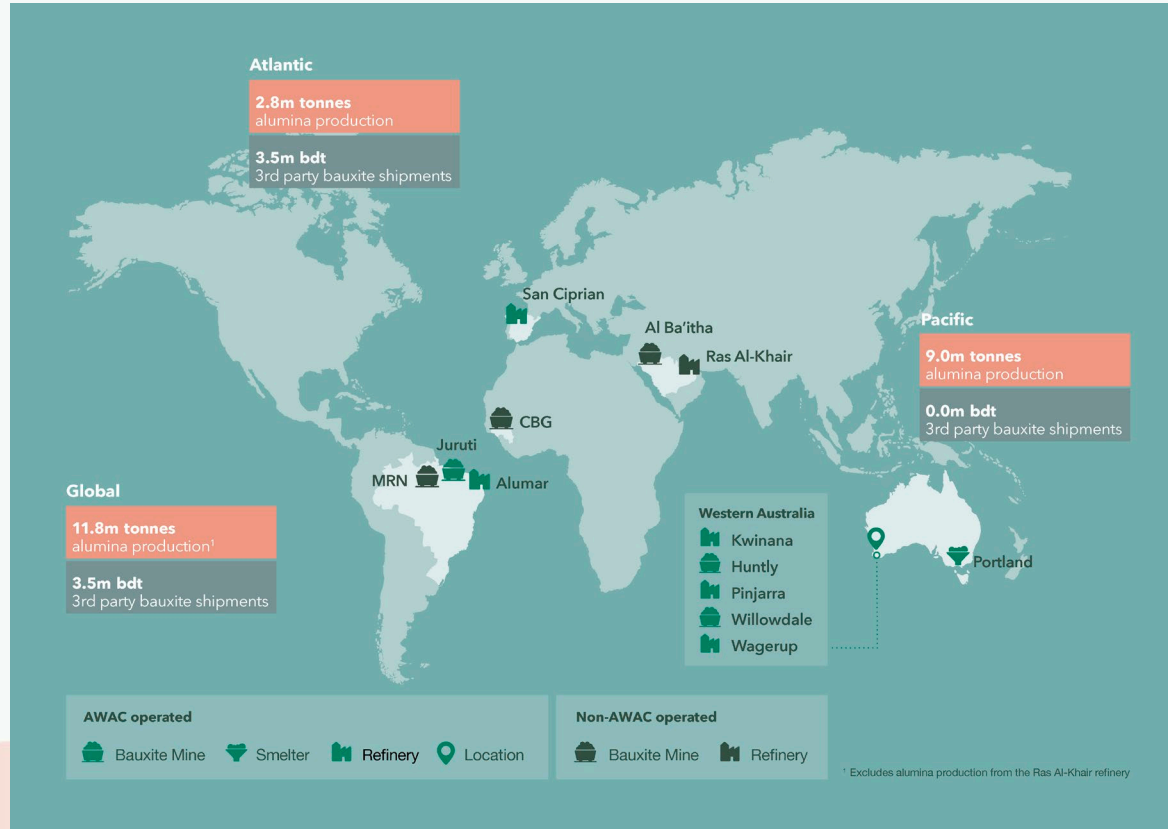


- Top 100 ASX listed company
- Market capitalization of ~A\$4.4bn (\$1.52/share)
- ~55,000 shareholders
- Own 40% of Alcoa World Alumina and Chemicals (AWAC)
  - Alcoa Corp owns the remaining 60% and is the manager
  - AWAC 2022 Revenue US\$5.7bn, EBITDA US\$0.8bn
- Alumina created in 2002 when WMC Limited demerged its non-alumina assets into WMC Resources
  - JV Formed in 1994, relationship with Alcoa back to 1960's



# AWAC Joint Venture

(Alumina Limited 40% Owner)



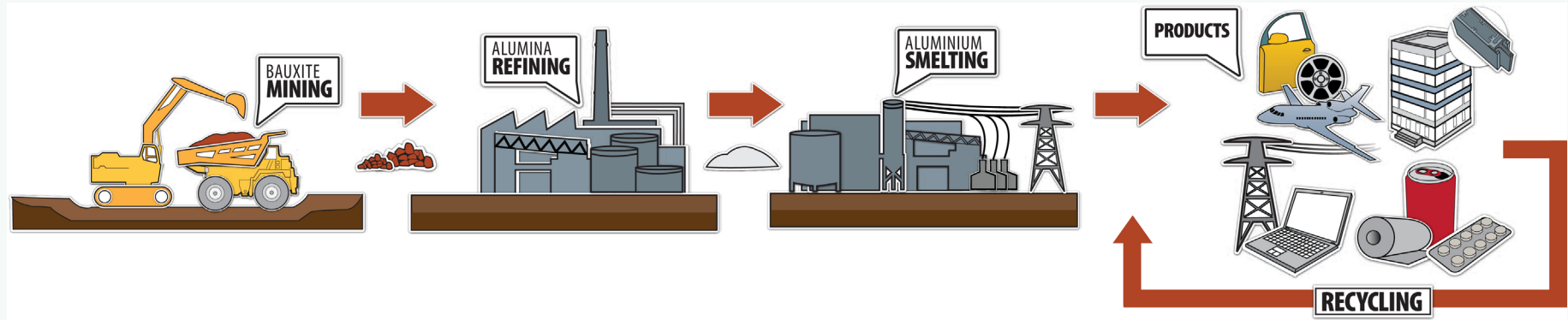
## One of the world's largest bauxite & alumina producers

- Operates 5 alumina refineries
- Operates 3 bauxite mines, interest in CBG
- 55% interest in Portland aluminium smelter
- 25.1% interest in mine and refinery in Saudi Arabia
- Employs >5,000 people (>4,500 in Australia)



# What is Alumina?

Alumina is Critical in the Production of Aluminium



AWAC

WA (x2)  
Brazil  
Guinea  
Saudi Arabia

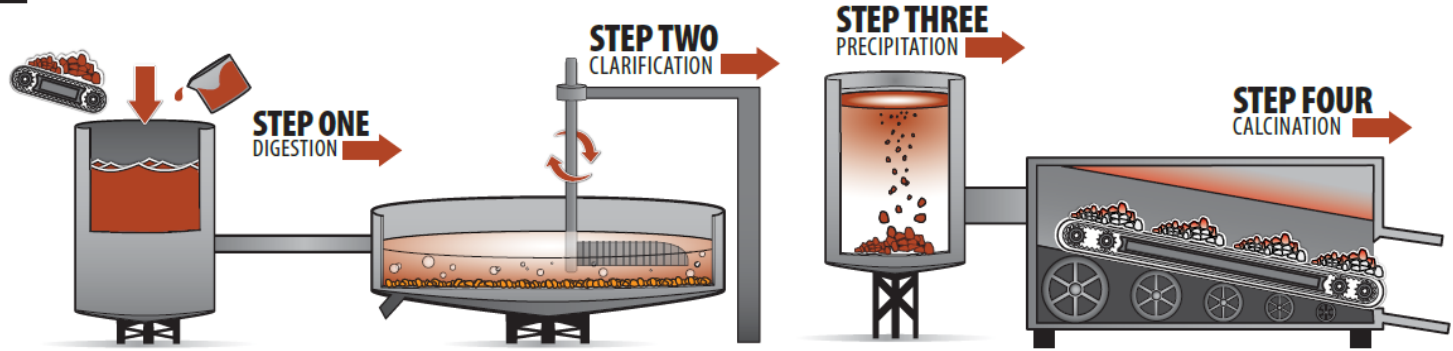
WA (x3)  
Brazil  
Spain  
Saudi Arabia

Portland  
(Victoria)

# What is Alumina?

Alumina is Produced by Refining Bauxite Ore

## REFINING



## Key Inputs

Bauxite  
Caustic soda  
Energy

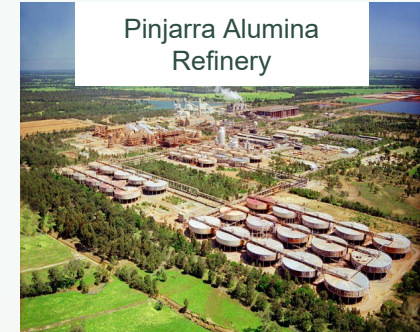


# Alumina Limited – Investment Rationale

Unique, Direct Exposure to Alumina Market



- World class bauxite and alumina assets
- Positive industry fundamentals ... long-term demand for alumina
- First quartile carbon intensity
- Global portfolio
- Strategically located assets, long-life reserves
- Cash pass-through



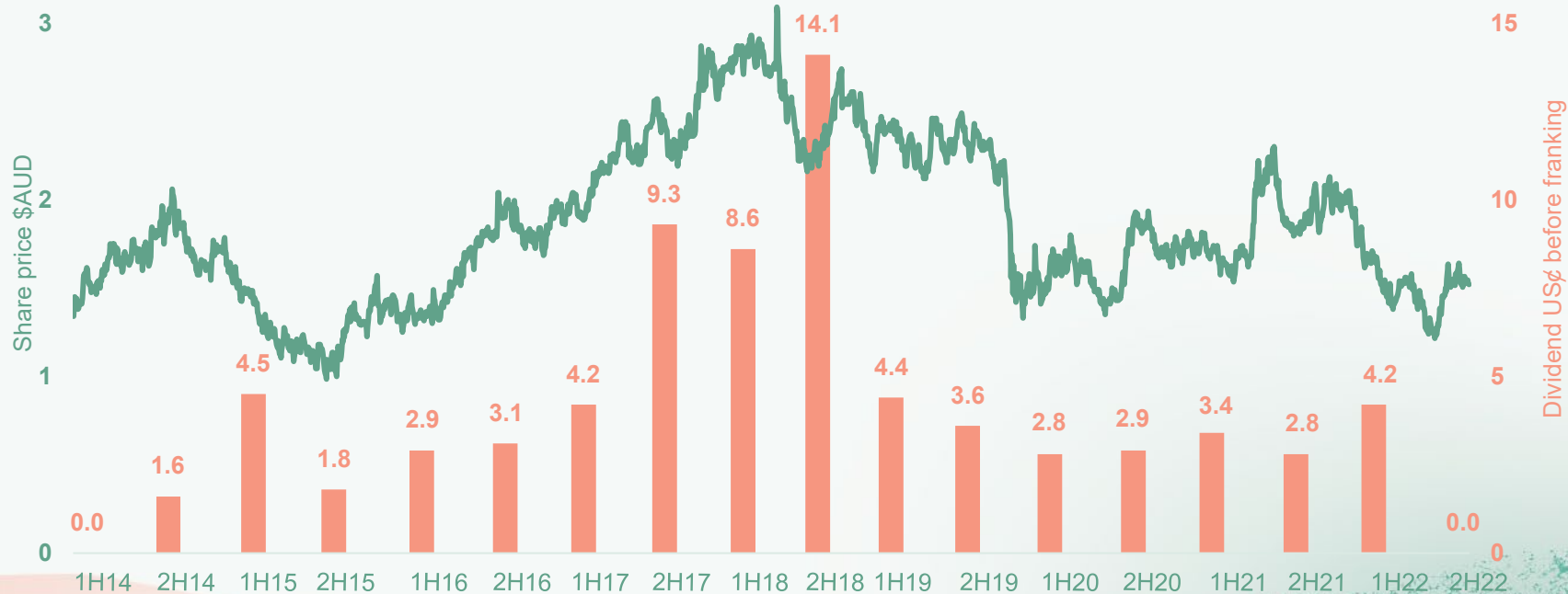


# 2022 Full-Year Results



- NPAT \$109m (2021: \$226m) excluding significant items
- Strong first half. Second half impacted by lower prices and higher costs, particularly energy in Spain
- Total Dividends of 4.2 US cps. No Final Dividend
- Outlook improving. Alumina prices higher driven by supply constraints. Energy costs lower
- Strong medium and long-term fundamentals driven by decarbonisation

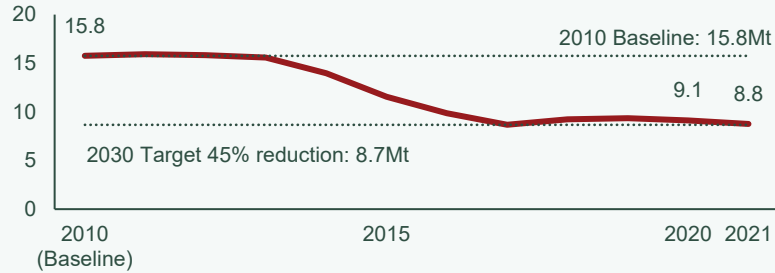
# Alumina Ltd Share Price / Dividend History



# AWAC is Reducing Emissions

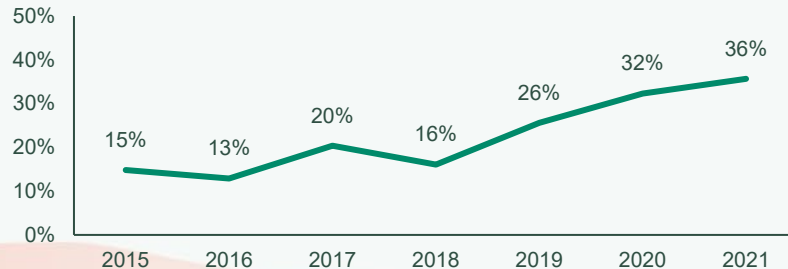
Using more Renewable Energy

AWAC GHG emissions (Mt of CO<sub>2</sub>e<sup>1</sup>)



- Improvements at Portland
- Decreased alumina production

Electricity (% sourced from renewable generation<sup>1</sup>)



- >5Gwh consumption<sup>1</sup>
- Electrical grid greening in Victoria

<sup>1</sup>AWAC full facility basis (scope 1 & 2)

# Alumina - Climate Change Position Statement

Net Zero by 2050

## AWAC Decarbonisation enablers

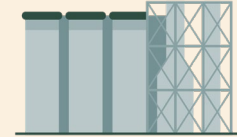
Technology  
Catalyst

Energy  
Requirement

## Alumina Refining



MVR (Mechanical Vapour Recompression)  
for digestion



Electric calcination



Cost competitive renewable energy generation

**Government policies supporting investment in abatement and R&D.**

- Alumina Limited will, through working with the AWAC joint venture, strive for AWAC to reduce its direct & indirect emissions (scope 1 and 2) by 45% by 2030 (from a 2010 baseline), and to net zero by 2050.

# AWAC has a Long History of Environmental Stewardship

- Rehabilitation in WA
  - Commitment to sustainable, responsible and safe mining
  - Mined the Darling Range for 60 years
  - Shallow surface mining, progressive rehabilitation
  - In 10 years, 6,370 ha rehabilitated, 7,700 ha cleared
- Biodiversity management
  - Pre-mining surveys to identify and protect critical habitat
  - No mining of conservation reserves, old growth forests
  - Planted 570k native seedlings at WA mines in 2022
  - 4% of WA leased area mined – max 8% over life





# Aluminium is Critical to the Low Carbon Transition

- Metal for the Future
  - Lightweight, corrosion resistant, conductive, infinitely recyclable
  - Promising future for aluminium
  - A driver of the low carbon transition
- AWAC is an industry leader
  - First quartile refinery emissions intensity
  - Net zero ambition
  - Environmental stewardship of 60 years





# RoW Committed Aluminium & Alumina Projects (2023-2026)

- Considerable primary aluminium capacity expansion outside China
- Limited alumina capacity committed
- Net growth of aluminium capacity expected to be 1,960kt by 2026
- Medium term alumina shortage of ~4 million tonnes



\* Alumina projects have been converted from alumina units to aluminium units at a ratio of 1.92:1. For example, the indicated capacity of Lanjigarh is 1,500kt, which would produce 781kt of aluminium

# Market Summary and Outlook

## 2022 Alumina Market

- RoW market tightened with curtailments, closures and supply disruptions
- Alumina price up 10% year on year
- Raw material and energy prices resulted in high production costs



## Market Outlook

- Tighter alumina market in 2023
- End of Covid restrictions in China driving aluminium demand recovery
- Potential stronger bauxite market due to Indonesian ban
- Limited growth in alumina capacity outside China in medium term

# Questions

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