



Latrobe   
Magnesium  
Smart | Efficient | Green

# 2023 AGM

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ASX: LMG

# Disclaimer

It is believed that the expectations reflected in these statements are reasonable but they may be affected by a multiple variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including but not limited to: price fluctuations, actual demand, currency fluctuations, production results, reserve estimates, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory developments, economic and financial market conditions in various countries and regions, political risks, project delay or advancement, approvals and cost estimates.

Investors should undertake their own analysis and obtain independent advice.

All references to dollars, cents or \$ in this presentation are to Australian currency, unless otherwise stated.

# 2023 Year Highlights



Magnesium is a Critical Raw Material in Australia, USA, EU, and Japan and increased funding has been announced by most Governments to assist with securing supply chains. In the last 6 months, the Chinese magnesium price has traded in the range between US\$3,200 and US\$3,800 per tonne. The USA price is some 141.9% higher than the China FOB price.



During the year, LMG lodged its patent application for its Proprietary acid hydromet technology for the treatment of brown coal fly ash and ferro nickel slag. It has registered its existing alkali hydromet process worldwide wherever there are brown coal deposits. LMG's processes results is a 60% reduction in CO<sub>2</sub> emissions compared to China magnesium producers. LMG is continuing to seek further reduction by using renewable energy in its larger plants.



LMG produces not just magnesium but other valuable saleable products from its feedstock. LMG's process does not produce any waste and recycles 100% of the fly ash or slag tailings.



Demonstration plant will be constructed by 31 December 2023 with full commissioning on target for the end of March 2024. As at the date of the AGM, LMG has spent \$36M of its \$41.7M budget..



LMG has sound but substantial growth strategy. Once the 1,000 tpa demonstration plant is fully commissioned by the end of March 2024, LMG will use its real time data to start the approvals process for Stage 2, which is expected to be in production by the end of 2025. LMG has also been developing its Stage 3 project in Sarawak. It is at its final stages of negotiations with a number of well respected international companies who wish to participate in the project in both equity and offtakes.



LMG's Financial Loss for 2023 was reduced from \$3.2M loss to \$2.4M loss through an increase in its R&D rebate. It is expected that once the demonstration plant is in full production the plant will return a small profit.

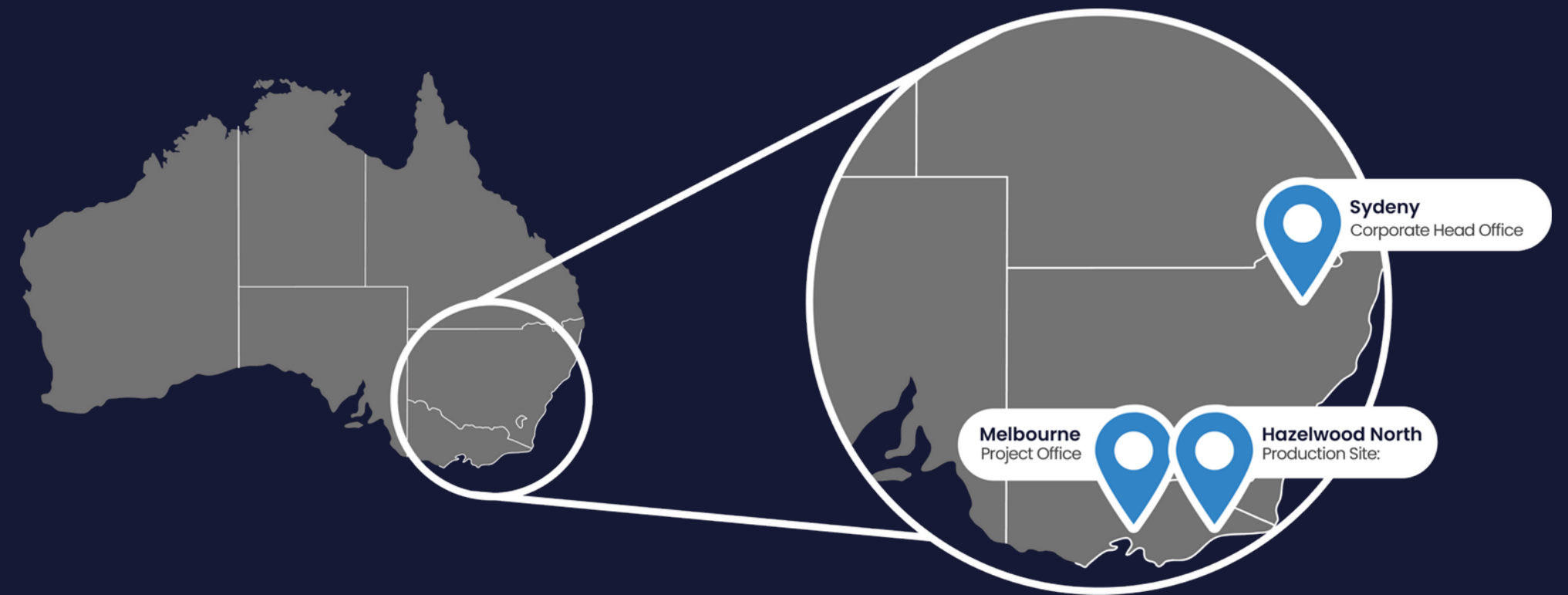


# Capital Structure and Location

Latrobe Magnesium is an Australian listed public company under the ASX code LMG.

ASX CODE	LMG
Shares on issue	\$1,826 million
Share Price	\$0.069
Market Cap	\$126 million

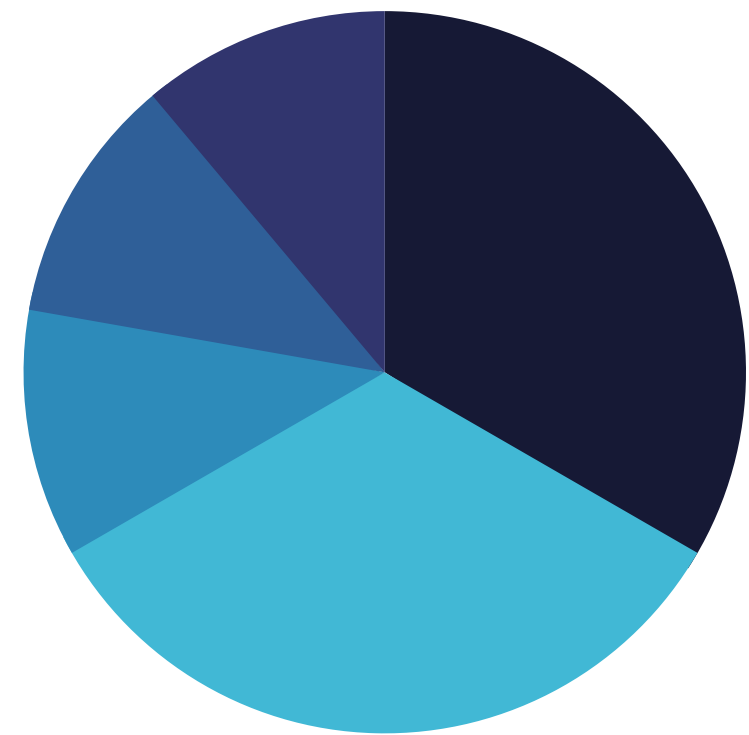
\*As of 21 November, 2023



# Magnesium: The Critical Green Mineral

## Key Statistics

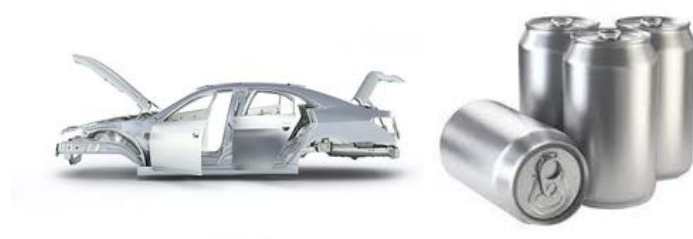
- Die Cast Parts
- Aluminum Alloys
- Titanium Refining
- Steel Desulfurisation
- Others



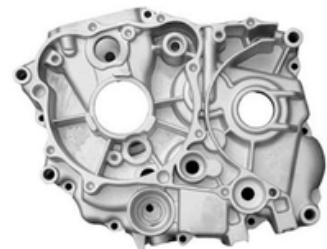
Global Demand 2022	Magnesium Forecasted demand by 2030	Price USD / TONNE	Chinese Production
1.1M tpa	2MT	\$3,200 to \$3,800	~90%

## Current and Emerging Uses

Aluminium Sheet



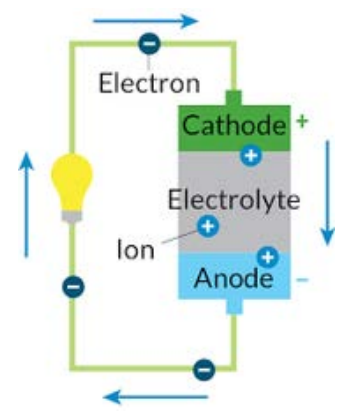
Die Cast Components



Bioabsorbable Stents



Magnesium Batteries



# LMG's Pathway for Expansion



## Fly Ash

Commencing production by Q1 2024

## Financials

- \$42m capex
- \$10m revenue
- EBITDA break even

## Emissions

- 8.2 tons of CO2 / ton of Mg



## Fly Ash

Commencing production in Dec 2025

## Financials

- \$150m capex
- \$110m revenue
- \$40m to \$50m EBITDA

## Emissions

- 6.6 tons of CO2 / ton of Mg



## Ferro Nickel Slag

Commissioning targeted for early 2029

## Financials

- \$1.1B capex
- \$1.1B revenue
- \$474m EBITDA
- NPV 2.9B

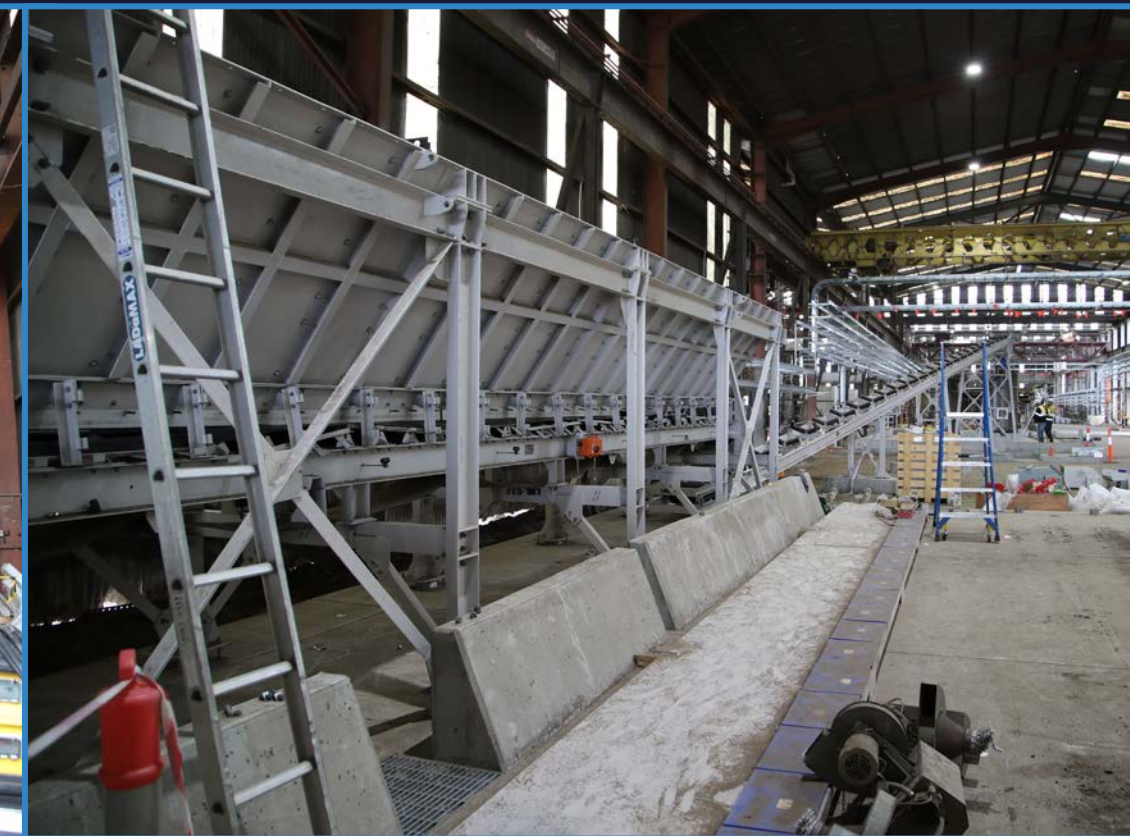
## Emissions

- 4 tons of CO2 / ton of Mg



# Demonstration Plant

- Produce 1,000 tones per annum of Magnesium, with a current budget estimate of \$41.7M of which \$36M has already been spent.
- Processing fly ash waste feedstock from the Energy Australia Yallourn West Power Station.
- Converting 100% of fly ash waste into saleable products:
  - Magnesium metal
  - Supplementary Cementitious Material (SCM)
  - Silica
  - Char
  - Agricultural lime
  - Iron oxide
- 100% of the site contract works awarded to local contractors.





# Thank You!



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