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# Lynas: An exciting company in an exciting market





• A great opportunity to participate in the green revolution



A focus on Sustainability is essential to achieve growth in green industries

Lynas leads the pack in the Rare Earths industry



The Rare Earths market is relatively small but very complex

As a pure play Rare Earths company, Lynas has an exclusive focus on Rare Earths



At Lynas, we are passionate about Rare Earths

- Our customers and their needs
- Innovating to continuously improve Rare Earths Processing
- Innovating to develop new, valuable Rare Earths materials
- Contributing to the prosperity of our people, our communities and our shareholders



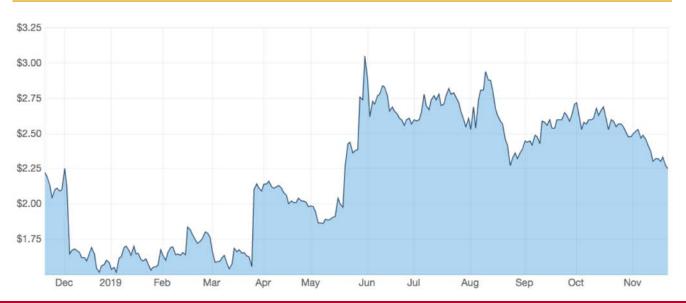
### The **Year in Review**

- Lynas NEXT project delivered
- Political and regulatory challenges in Malaysia
- Heightened geopolitical focus on Rare Earths
- Wesfarmers takeover proposal successfully defended
- Lynas 2025 growth plan announced
- New arrangements for JARE loan facility announced



### Building on our unique market position

Key Metrics	
ASX Ticker	LYC
ISIN	AU000000LYC6
Shares Outstanding as at 30 September 2019	695,378,577
Cash Balance (30 September 2019)	A\$119.1m
Debt as at 30 September 2019	US\$145m JARE US\$13.7m Conv Bond
Enterprise Value as at 30 September 2019	A\$2.1b



- Mt Weld: A true Tier 1 resource
- World's 2<sup>nd</sup> largest producer and the only significant rest of world Rare Earth miner and producer
- Comprehensive approach to safety and sustainability; environmental stewardship and community engagement
- Continued process and product innovations
- Quality, long term customer relationships with manufacturing supply chains around the world



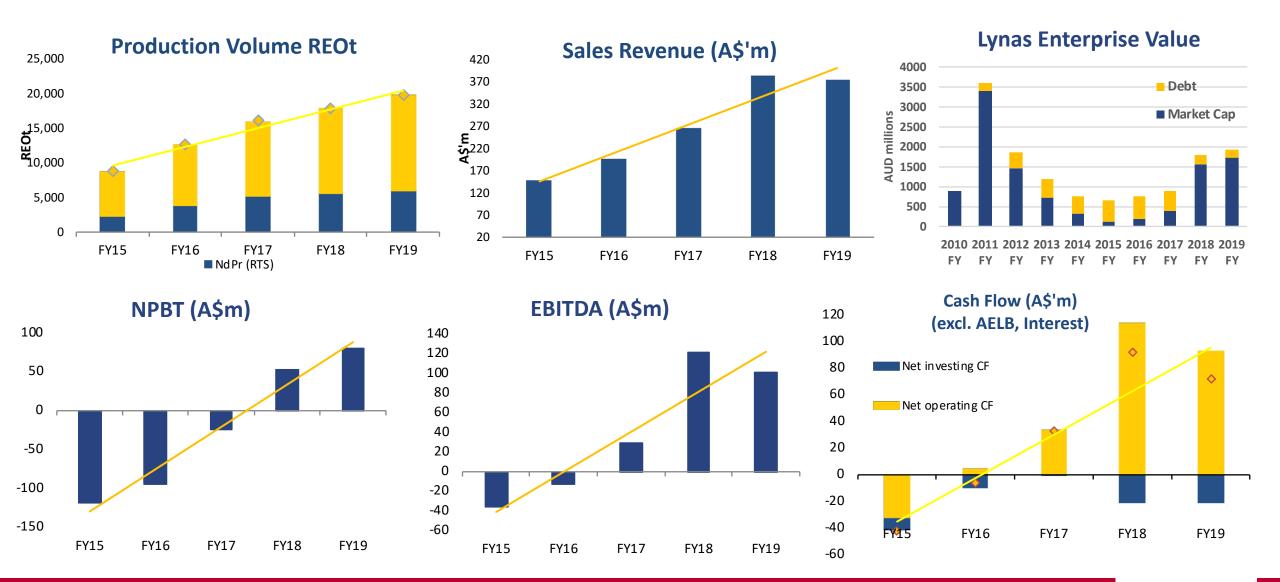
# Delivering strong financial performance in challenging conditions

NPAT	<b>\$80.0m</b> (FY18: \$53.1m)
EBIT	<b>\$56.4m</b> (FY18: \$81.0m)
EBITDA	<b>\$100.7m</b> (FY18: \$121.9m)
Revenue	<b>\$363.5m</b> (FY18: \$374.1m)





## Delivering strong financial performance in challenging conditions





# Achieving \$35m Lynas NEXT capacity building project on time and on budget

Demonstrated capacity to produce at higher rates, resulting in record NdPr and REO sales volume and production



New Nd and Pr separation circuit successfully commissioned and first production and sales of separated Nd and Pr delivered

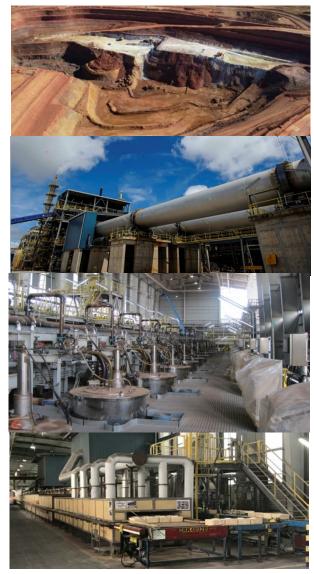


Operational improvements at Mt Weld and in Malaysia including new equipment and improved circuits



Update of Mt Weld Mineral Resources and Ore Reserves Statement released on 6 August 2018, with a 70% increase in Mineral Resource and a 60% increase in Ore Reserve; confirmed 25+ year life at Lynas NEXT rates









### **Lynas Malaysia in FY19**

365 Days LTI free Record Production (total REO and NdPr)

### **Lynas NEXT initiatives**

- Proven ability to produce NdPr at Lynas NEXT rates
- Successful start-up of new Nd and Pr separation circuit:
  - Separated Nd oxide produced from December 2018
  - Separated Pr oxide produced from February 2019
- New SX circuits optimised to increase production and quality of La and Ce
- Upgrade of product finishing circuits to accommodate increased product range
- Upgrade of kiln waste gas treatment circuits
- Improved MgO circuit to improve recoveries
- A 3<sup>rd</sup> larger water storage pond constructed and commissioned

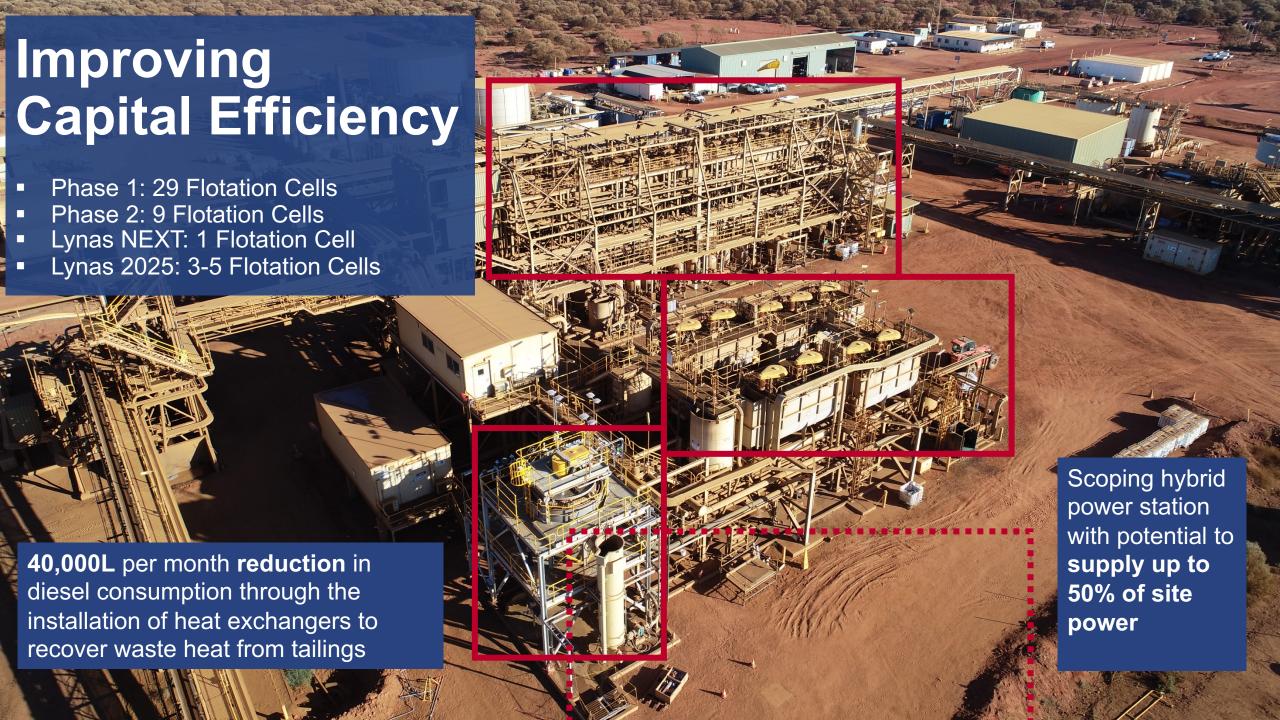


### Increased product range through Lynas NEXT









# Lynas NEXT: Cracking and Leaching



MgO Circuit Split, new heat exchangers added, new pumping designs, new hopper designs, changed filter configurations



Redesigned WGT ducting





### Malaysian political and regulatory challenges

- 4<sup>th</sup> scientific Review completed
  - Lynas operations are low risk and compliant with all relevant regulations
  - Lynas residue facilities are properly managed
- Quality relationships created with PH government
- Staff and local community support stronger than ever
- License renewed with specific conditions
  - Cracking & Leaching relocated to WA within 4 years
  - Lynas to build Permanent Deposit Facility (PDF) for WLP residue
  - 0.5% previously required to be invested in R&D to be submitted to the Government of Malaysia as an additional security until Cracking & Leaching relocated to Australia





# Making a meaningful contribution to our communities











The safety of our people, our communities and the environment is our first priority

We focus on making a positive contribution to local employment, skills, education, health & the environment

We support disadvantaged groups including the elderly, disabled and women and girls

We provide meaningful opportunities for Lynas staff to directly contribute to their communities



## Delivering on our commitment to safe, sustainable production



























- Designed from the ground up as a state-ofthe-art environmentally-responsible Rare Earths operation
  - Certified to OHSAS 18001 (Occupational Health and Safety Management Systems), ISO 14001 (Environmental Management Systems) and ISO 9001 (Quality Management Systems)
- Life Cycle Assessment with selected partners
- Awarded Gold EcoVadis CSR rating ranking in the top 5% of 55,000 companies evaluated
- Released first Sustainability Report in 2019



### Creating opportunities from the spotlight on Rare Earths



#### Geopolitics

US-China trade tensions have led to concerns about security of supply and single sourcing

Lynas is uniquely positioned as the only significant rest of world Rare Earths producer



#### **Macroeconomics**

Increased government focus, in key markets, on enhancing manufacturing capability for digital age technologies

Lynas connects with governments around the world regarding Rare Earths supply chains



#### **Market Pricing**

NdPr published price decreased in FY19 and despite a temporary lift in Jun 2019 remains volatile

Lynas helps mitigate sourcing risks through long term agreements



### **Market Dynamics**

NdPr magnet market currently weakened by Chinese economy and temporary slow growth of automotive market

Catalyst market is focused on long-term security of supply and Lynas has now contracted all Lanthanum production



### **Strategic Partners**

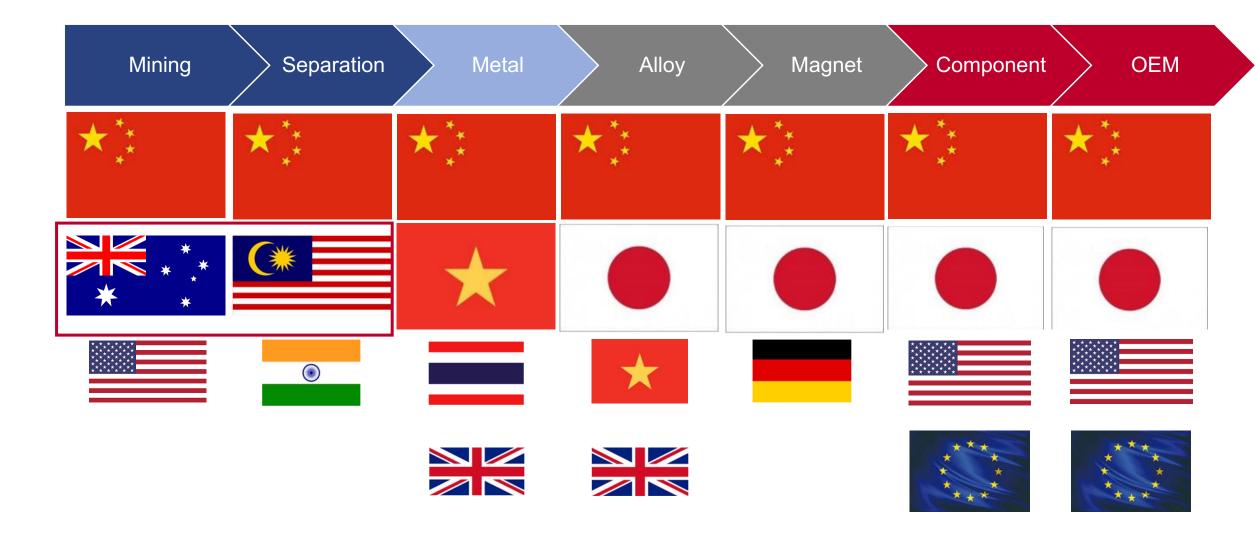
NdPr demand is forecast to accelerate from 2021 with launch of most new EV models

From H2 FY19, Lynas has reserved all NdPr production for strategic customers

Key Customers are progressively agreeing long term supply and pricing agreements



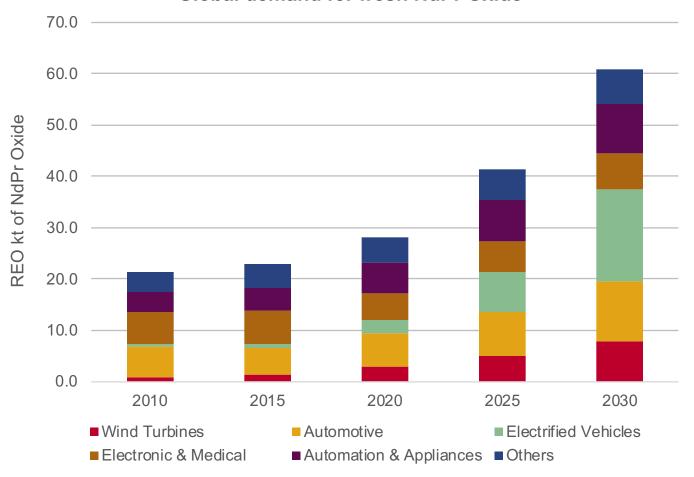
## Playing a role in diversifying the Rare Earths supply chain





# Serving a high growth market

#### Global demand for fresh NdPr Oxide



- Energy International Agency: 125-220m
   electric cars on the road in 2030
  - Equivalent to 88-155ktns additional supply of NdPr over next 10 years
- Most new models will be launched in 2021 when growth of NdPr demand will accelerate
- From late 2020s, end of life recycling will affect demand for fresh oxide









# Lynas today





# Lynas in **2025**

### Malaysia

A dynamic operation in Gebeng with increased investment in downstream processing; SX, Product Finishing and recycling.





#### Western Australia

An expanded WA operation;
Mining, Concentrator,
Cracking & Leaching and
potentially upstream SX



Exciting specialty materials market opportunity with a skilled U.S. based partner.

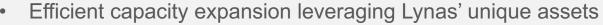
HRE, value added processing and potentially LRE.





### Lynas 2025: **Growing with the market**

A larger business to meet forecast demand growth



• 10,500 tpa NdPr products

Diversified Industrial footprint with processing facilities in optimal locations

Upstream processing close to the resource; relocation of C&L to WA

Downstream processing close to our customers; Malaysia and US

Supplier of choice to non Chinese customers with a fit for market product portfolio

Separated Heavy Rare Earth products

Value added Cerium

**Enhanced earnings** 

A step change in production

Improved portfolio pricing

Continued flow sheet and cost efficiencies

Capital plan

Self-funded with support of JARE

· Enhancing long term shareholder value



### Lynas: Continuing to build on our unique competitive advantages



#### Mt Weld

- A true Tier 1 Resource
- Continuing exploration and development to maintain a 25+ year Reserve at new rates



### **Market position**

- World's second largest Rare Earths producer
- Only Rare Earths
   miner and processor
   outside China
- Established longterm, trusted relationships built with our key customers



### Inhouse Intellectual Property

Processing IP
positions Lynas as the Rare Earths
Centre of
Excellence outside
China



### **Proven Operations**

- Established operating assets
- Strong capital and operating cost culture



#### Will to win

- Corporate culture founded on our capable and resilient people
- Focused on building long term shareholder value





# **Competent Person's Statement**

#### COMPETENT PERSON'S STATEMENTS- MINERAL RESOURCES

The information in this report that relates to the 2018 Mineral Resources is based on information compiled by Mr Alex Whishaw under the guidance of Dr Andrew Scogings. Mr Wishaw and Dr Scogings are full-time employees of CSA Global. Mr Wishaw is a member of the Australasian Institute of Mining and Metallurgy. Dr Scogings is a Member of the Australasian Institute of Mining and Metallurgy, a Member of the Australian Institute of Geoscientists and an RPGeo (Industrial Minerals). Dr Scogings has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources, and Ore Reserves (JORC Code). Dr Scogings consents to the disclosure of information in this report in the form and context in which it appears.

#### COMPETENT PERSON'S STATEMENTS— ORE RESERVES

The information in this presentation which relates to the Ore Reserves estimate accurately reflect information prepared by Competent Persons (as defined by the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves). The information in this public statement that relates to the Mt Weld Rare Earths Project is based on information resulting from Feasibility works carried out by Auralia Mining Consulting Pty Ltd. Mr Steve Lampron completed the Ore Reserve estimate. Mr Steve Lampron is a Member and Chartered Professional (Mining) of the Australasian Institute of Mining and Metallurgy and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking to qualify him as a Competent Person as defined in accordance with the 2012 Edition of the Australasian Joint Ore Reserves Committee (JORC). Mr Steve Lampron consents to the inclusion in the document of the information in the form and context in which it appears.



