

Element 25 Limited Investor Update

Building a globally significant, low cost, high purity manganese project to supply high growth markets.

AMEC Convention - June 2019



Disclaimer

This presentation contains only a brief overview of Element 25 Limited and its associated entities ("Element 25") and their respective activities and operations. The contents of this presentation, including matters relating to the geology of Element 25's projects, may rely on various assumptions and subjective interpretations which it is not possible to detail in this presentation and which have not been subject to any independent verification.

This presentation contains a number of forward-looking statements. Known and unknown risks and uncertainties, and factors outside of Element 25's control, may cause the actual results, performance and achievements of Element 25 to differ materially from those expressed or implied in this presentation.

To the maximum extent permitted by law, Element 25 does not warrant the accuracy, currency or completeness of the information in this presentation, nor the future performance of Element 25, and will not be responsible for any loss or damage arising from the use of the information.

The information contained in this presentation is not a substitute for detailed investigation or analysis of any particular issue. Current and potential investors and shareholders should seek independent advice before making any investment decision in regard to Element 25 or its activities.

Corporate Overview

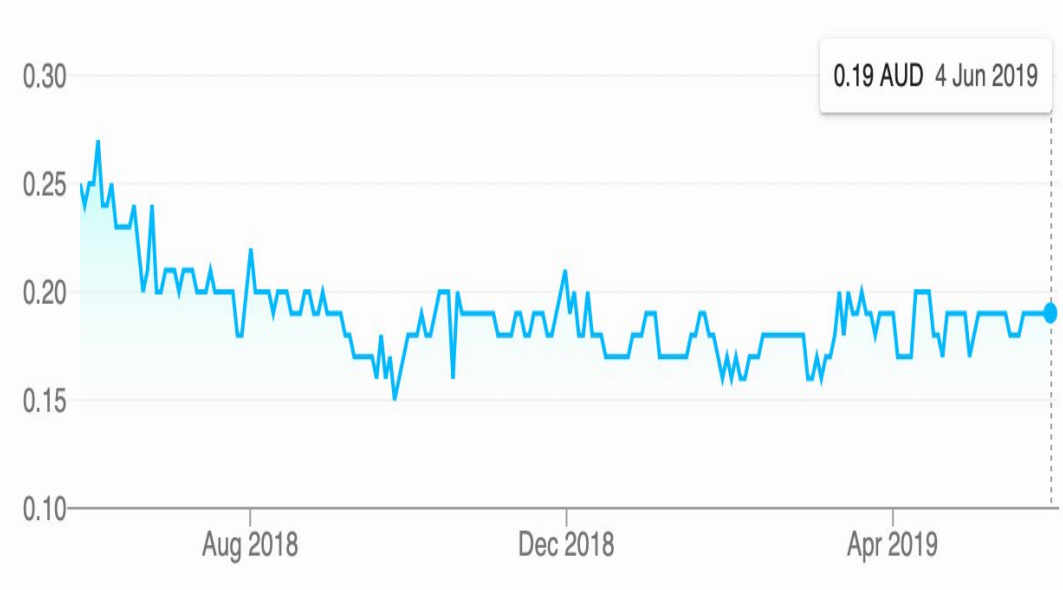
Financial Information

ASX Ticker	E25
Shares on Issue	89M
Share Price	\$0.19
Market Capitalisation	\$16.9M
Cash & Investments (at 31 March 2018)	~\$8.5M
Debt	Nil
Enterprise Value	~\$8.5M

Board and Management

Seamus Cornelius	Chairman
Justin Brown	Executive Director
John Ribbons	Non Executive Director
Ian Huitson	Study Manager
Sias Jordaan	Marketing Manager

Share Price Performance



Major Shareholders

Top 20 Shareholders	67%
Board and Management	8.2%
JP Morgan Nominees Australia	11.4%
Duketon Mining Ltd	6.5%

The High Purity Manganese Market

Processing ore to to high purity chemical products, NOT manganese concentrate for bulk shipping.



HPMSM

EMM

EMD

What is High Purity (Class 1) Manganese?



Electrolytic Manganese Metal (“EMM”)

- E25 Primary product
 - Well understood
 - Bankable

- Used in series 200 SS and specialty alloys
- Largest market, ~1.8Mt or ~US\$4B annually, steady growth
- Chinese producers: lack of domestic ore = African ore = high costs
- Easy to market, simple offtake, predictable pricing, US\$2K-\$3K/t
- Forms the E25 base case to underpin debt finance
- E25 expects to be the lowest cost producer globally

- **ESTABLISHED DEMAND**
- **STEADY GROWTH**
- **EASY OFFTAKE**
- **MOST BANKABLE**

Battery Grade Manganese Sulphate

- E25 Secondary product
 - New, fast growing market
 - Huge blue sky upside potential
 - Will increase exposure over time

- Used in fertilisers and new energy NMC and LNMO batteries
- Small market, ~0.1Mt or ~US\$0.2B/a, BUT (very?) fast growth
- Currently produced by dissolving EMM
- Challenging to market for now, small parcels BUT highest price, US\$3.5-4K/t
- Market growth potentially 10 fold to 2030
- E25 expects to be the lowest cost producer globally

- **NEW DEMAND**
- **HIGHEST GROWTH**
- **DIFFICULT OFFTAKE**
- **BANKABLE?**

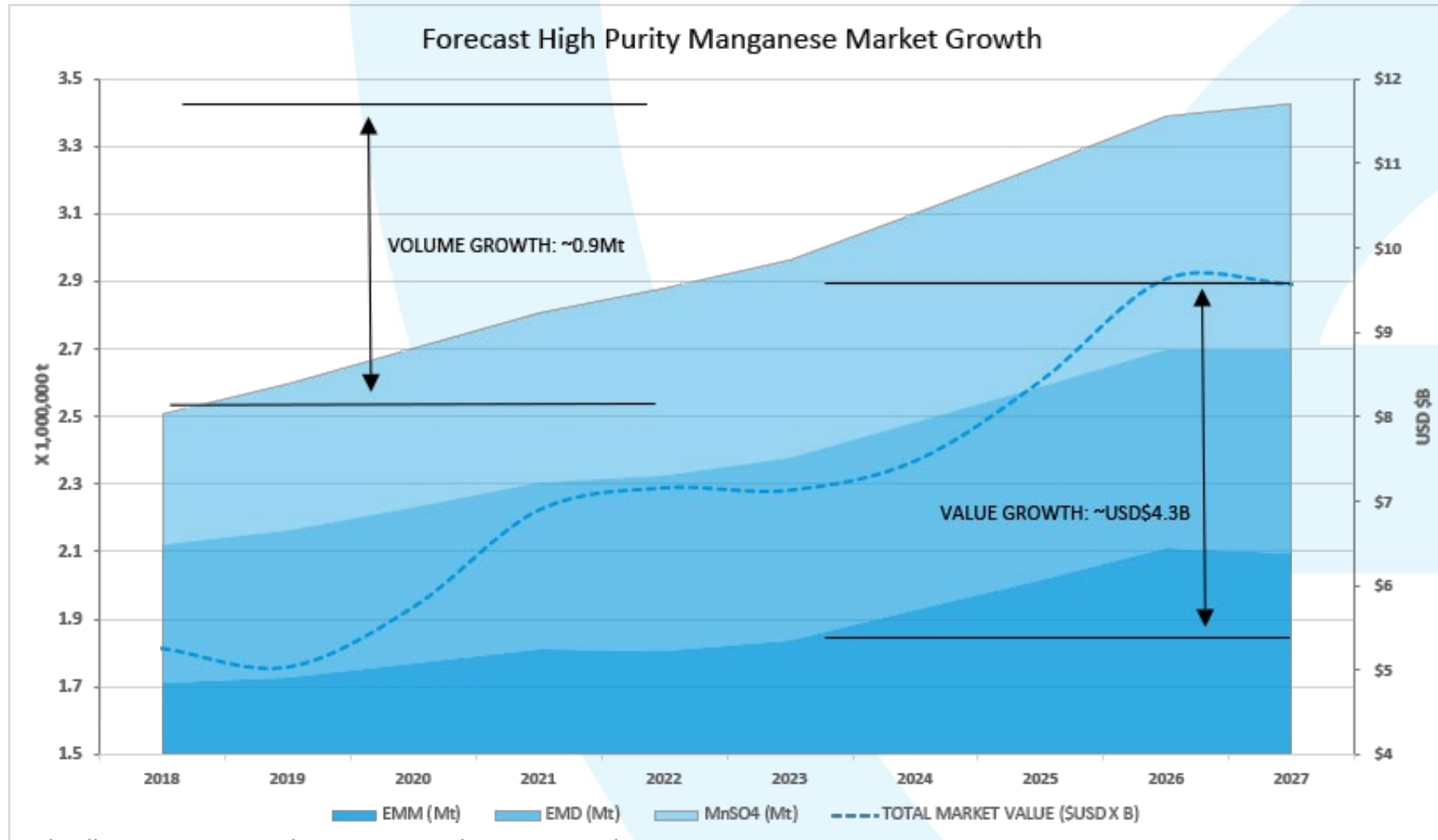
Electrolytic Manganese Dioxide

- Used in traditional dry cell and older LMO batteries
- Intermediate market, ~0.4Mt or US\$1B annually, steady growth
- More difficult to market, long qualifying periods, risky, no price advantage

- **ESTABLISHED DEMAND**
- **STEADY GROWTH**
- **DIFFICULT OFFTAKE**
- **NOT BANKABLE**

High Purity Manganese Market Forecast = Strong Growth

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Reference: Metal Bulletin Commissioned Manganese Market Report April 2018

An aerial photograph of an industrial construction or mining site, featuring a large crane and various pieces of heavy machinery. The image is overlaid with a dark blue filter.

Competitor's Costs are Rising

China's competitiveness is being eroded by rising costs.

Chinese Producers are struggling to control costs...

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- Ageing infrastructure.
- Expensive African ore; local ores are depleted.
- Labour intensive processes.
- Difficulties sourcing labour and rising costs.
- Increasing power costs
- Complex logistics.
- Waste disposal and other environmental problems rife.

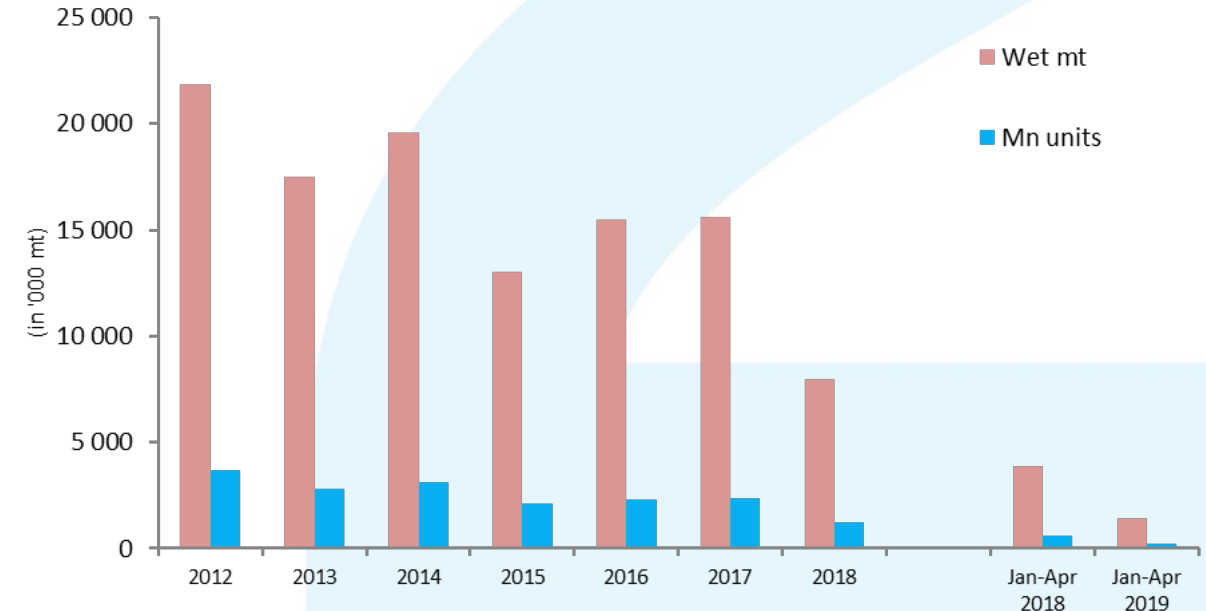


Chinese manganese mines are depleted...

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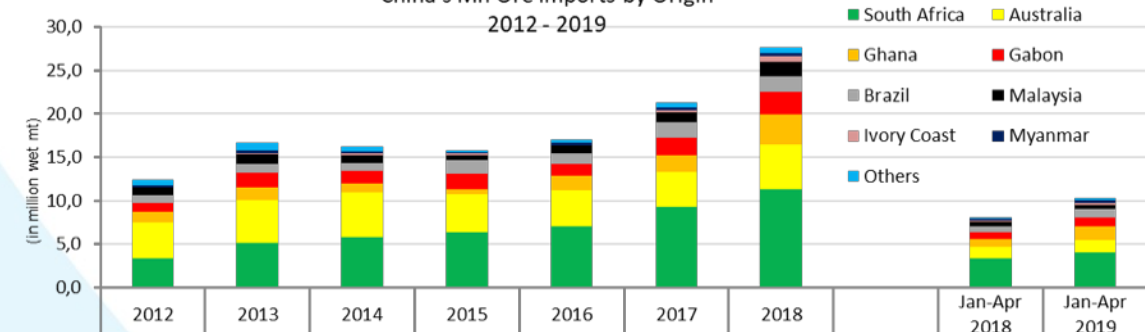
- Local production is dropping YoY.
- Grades are declining YoY.
- Imports rising each year.
- Demand continues to grow.
- Ore costs are now the biggest cost driver for Chinese high purity manganese producers.
- Has a negative impact on Chinese production costs.

China's Mn ore production
2012 - 2018



Source: IMnI

China's Mn Ore Imports by Origin
2012 - 2019

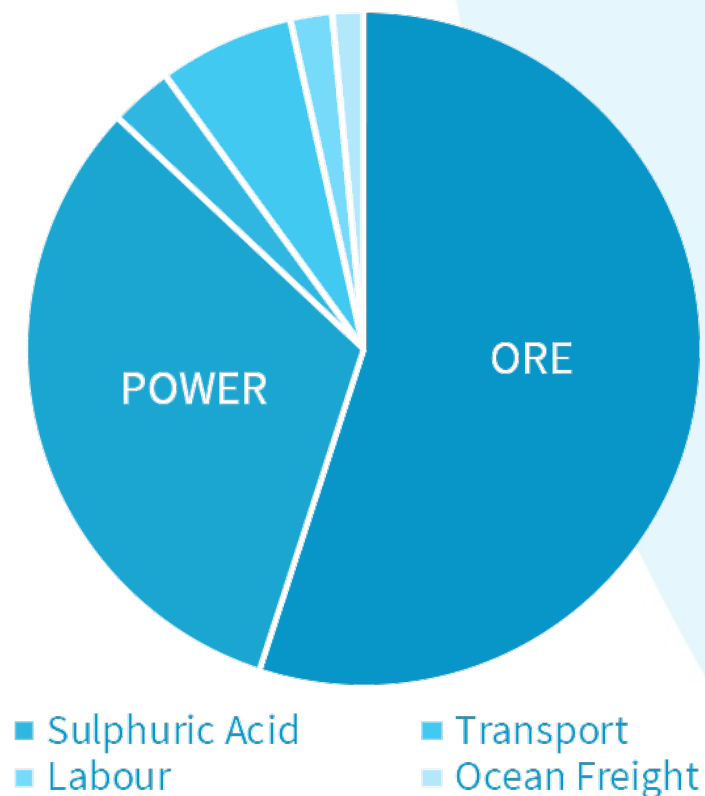


Costs Are Going Up in China

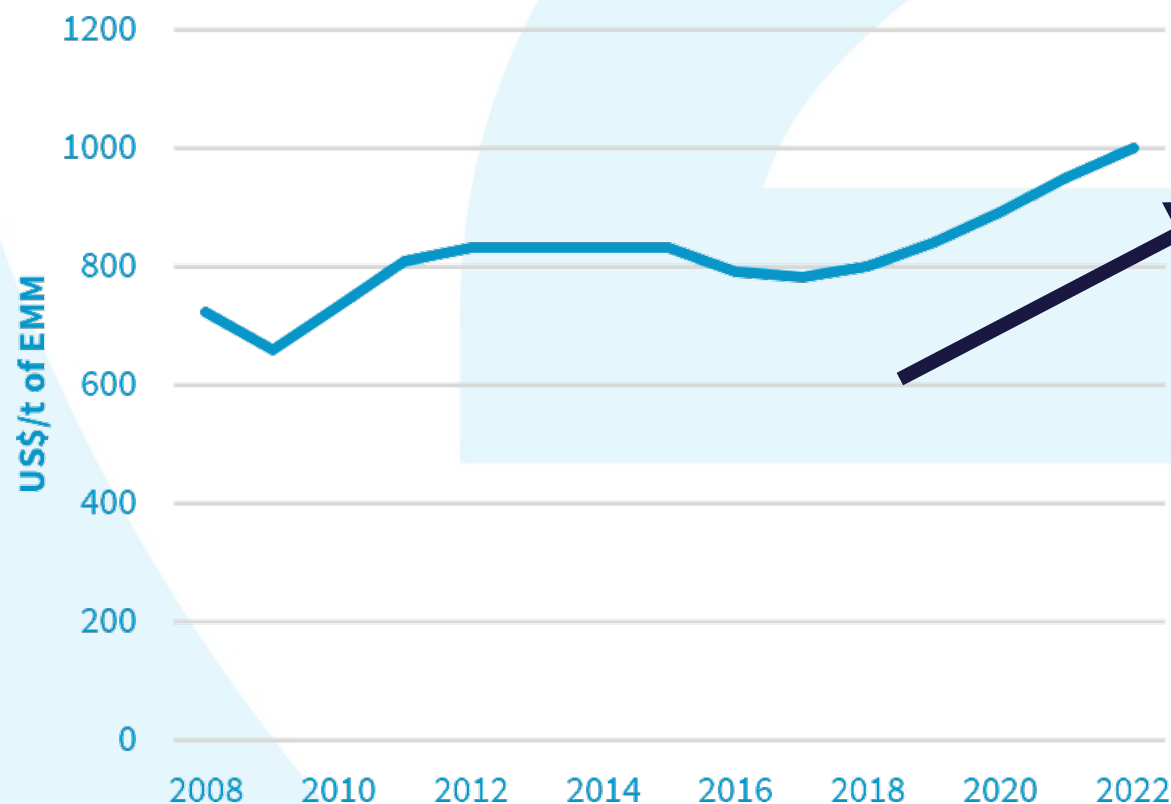
And... quality domestic ore supplies are largely exhausted...

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Average End-Product Cost Breakdown of Chinese EMM Plants



Average Chinese EMM Costs Over Time (US\$/t before ore costs)





World Class Manganese Resource

Australia's largest onshore manganese resource is ripe for development to produce high purity products, NOT manganese concentrate for bulk shipping. Multiple competitive advantages mean lower costs of production.

The Butcherbird Manganese Project

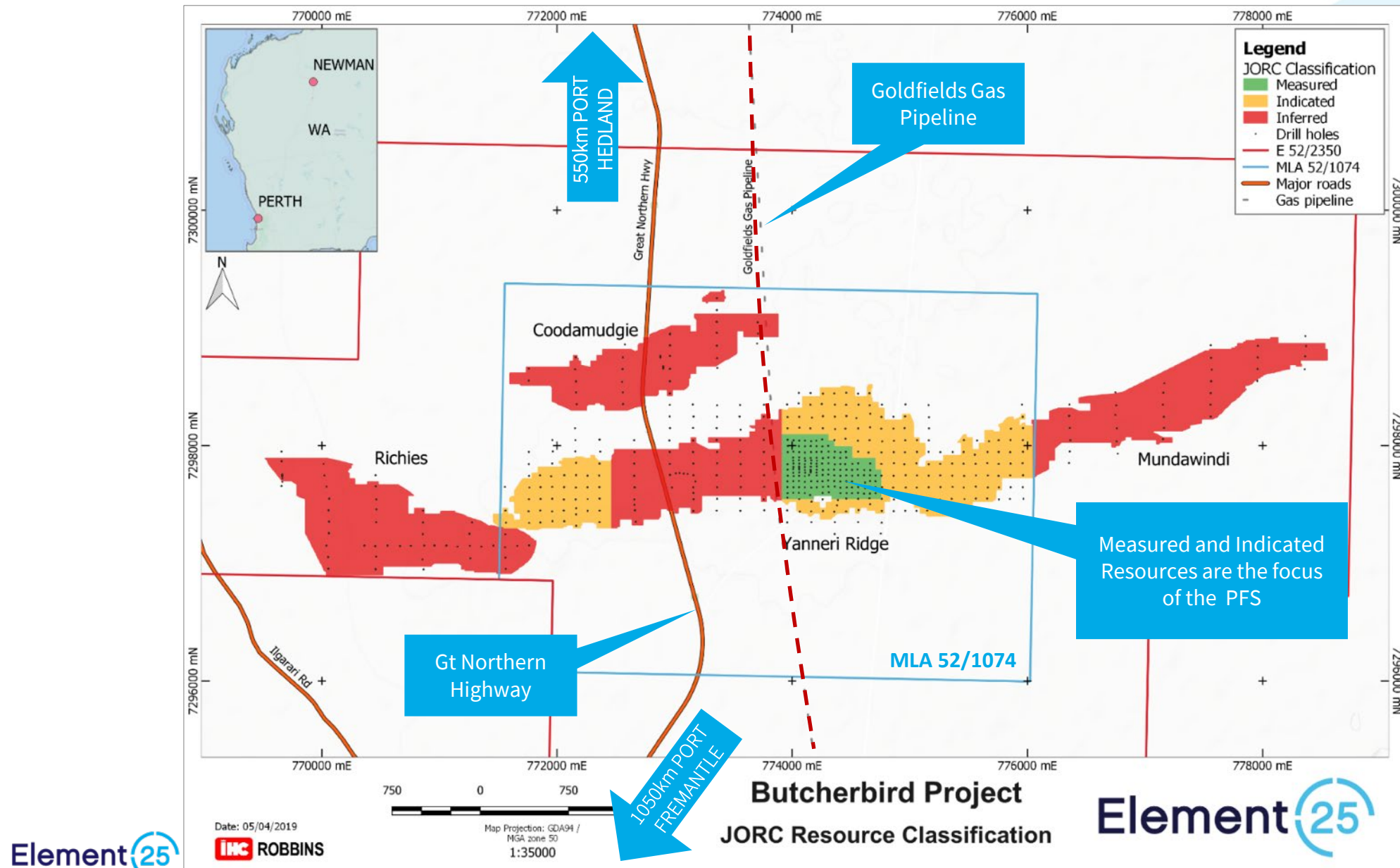
- Huge resource, currently >260 Mt of manganese ore in Measured, Indicated and Inferred JORC resources*.
- Excellent local infrastructure (bitumen road and gas pipeline).
- 100% owned by Element 25 Limited.
- Located in WA, a tier 1 mining jurisdiction.
- Very simple geology, no strip and free dig.
- Measured and Indicated resources are the focus of the PFS.
- Metallurgically process proven.
- Scoping Study completed, Pre Feasibility Study well advanced.



*Reference: Element 25 Limited ASX release dated 17 April 2018.

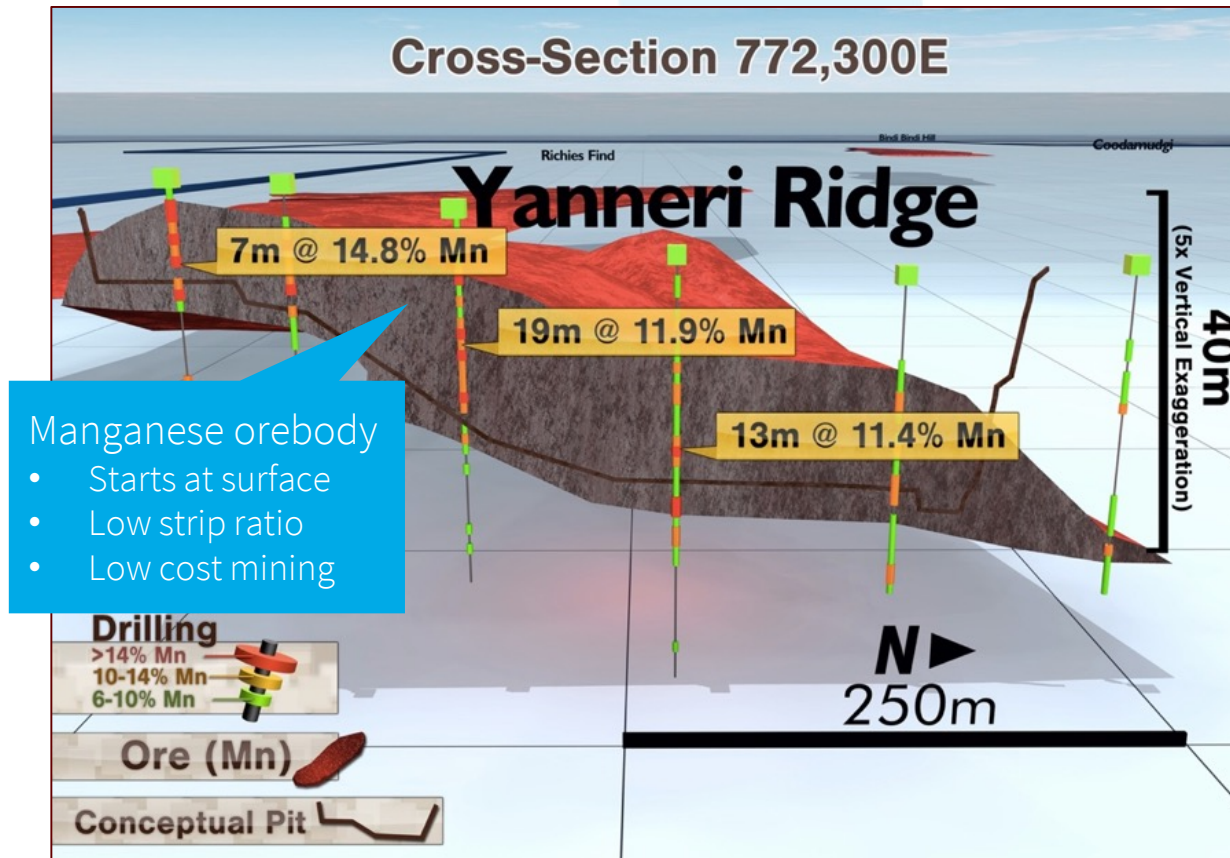
World Class Resource, Great Infrastructure Endowment

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Simple Geology

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- Flat lying stratiform ore body, very simple geology.
- Ore zone starts at surface and is laterally continuous.
- No selective mining required.
- Low strip ratio of 0.2:1 based on preliminary pit optimisations.
- Ore zone is above the water table.
- Free dig with localised ripping.

Note: All intersections are approximately true width



A Lower Cost, Cleaner Processing Pathway

“Every once in a while, a new technology, an old problem, and a big idea turn into an innovation.”

Dean Kamen, Inventor.

Breakthrough Technology

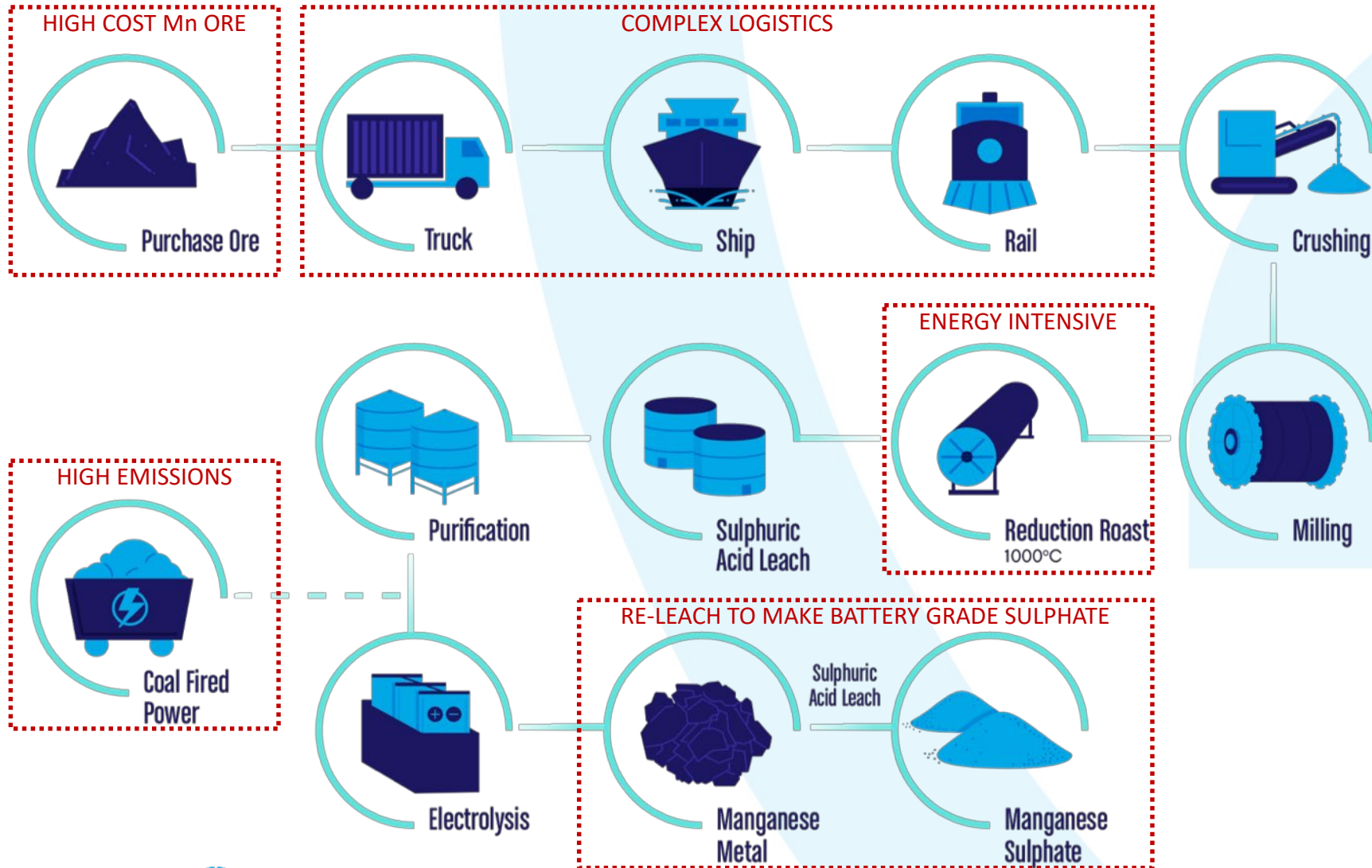
- CSIRO co-developed process produces high purity manganese with less energy and lower emissions.
- Products include high purity manganese sulphate (“HPSM”) for NMC Li-Ion battery cathodes and Electrolytic Manganese Metal (“EMM”) for specialty steels.
- These are high value products. Electrolytic Manganese Metal (EMM) is currently priced ~USD\$2,700/t¹.



¹<https://www.metalbulletin.com/My-price-book.html?price=34473>

Existing Producers use an Inefficient and Polluting Flowsheet

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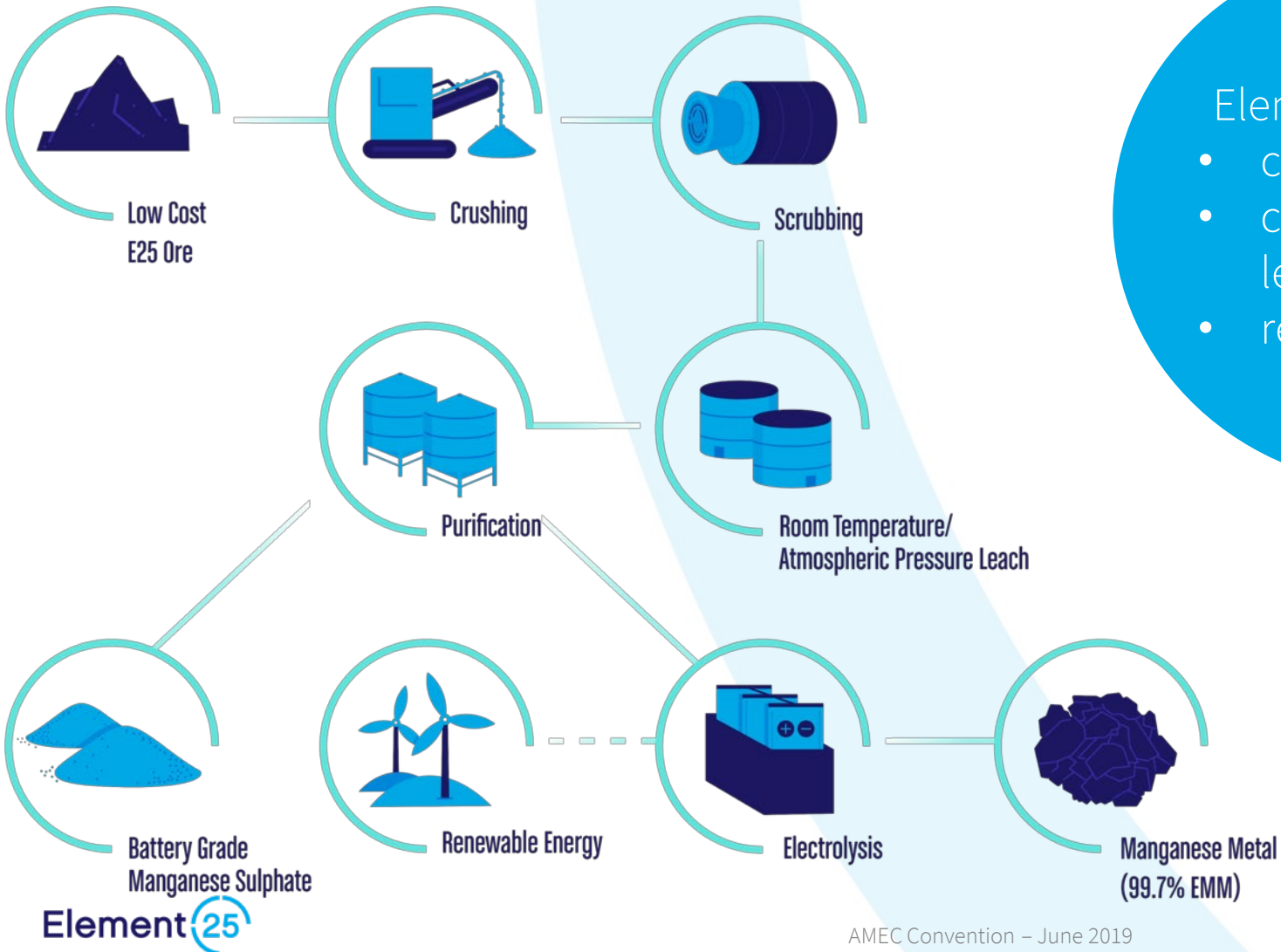


Current producers:

- energy intensive
- high emissions
- rising costs
- inefficient

Element 25 Uses a Simpler, Lower Cost, Cleaner Process

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Element 25 Process:

- cheaper local ore
- cleaner, cheaper leach process
- renewable energy

simpler,
lower cost,
cleaner,
greener



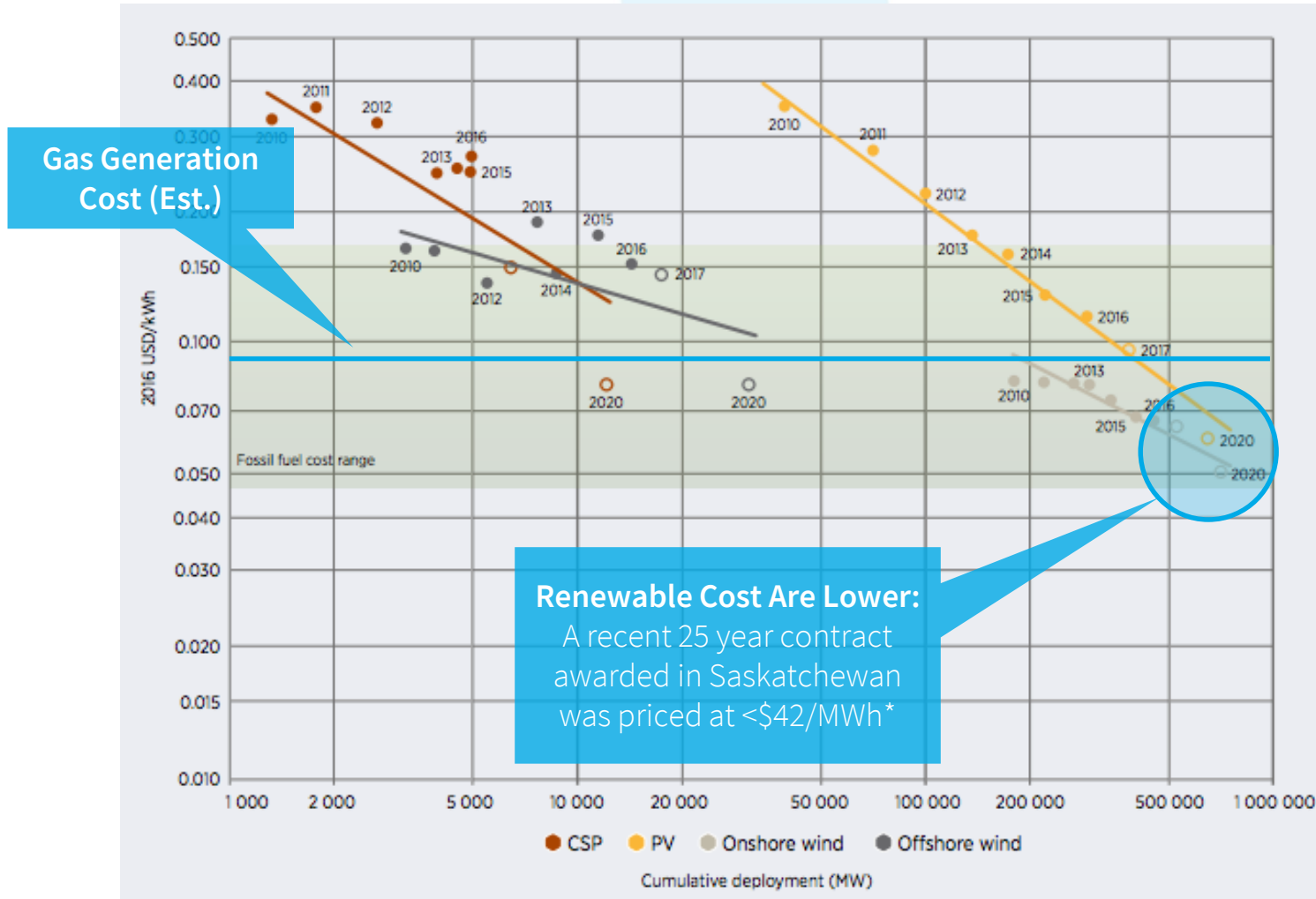
Energy Solution: Gas, Wind or Solar

“Research from Morgan Stanley estimates that renewables will be the cheapest source of power in the world in less than three years.”

Business Insider Australia, 8 July 2017.

Renewable Energy - Lower Emissions and Cost Effective

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- Cost of renewables steadily declining.
- Renewables are cheaper than fossil fuel sources.
- Maximising renewables will maximise project economics.
- Reduces carbon footprint.
- Decarbonises products for end users.

Energy Optionality



Gas generation:

- Reciprocating gas engines/turbines
- Cost effective base case power solution
- 100% gas power assumed in the Scoping Study

Wind turbines:

- Competitive Levelised Cost Of Energy (“LCOE”)
- Long mine life supports favourable PPA terms
- Protection from gas price changes

Solar photovoltaics:

- Competitive LCOE
- Offsets lower daytime wind speeds
- Assists in smoothing the renewable power supply

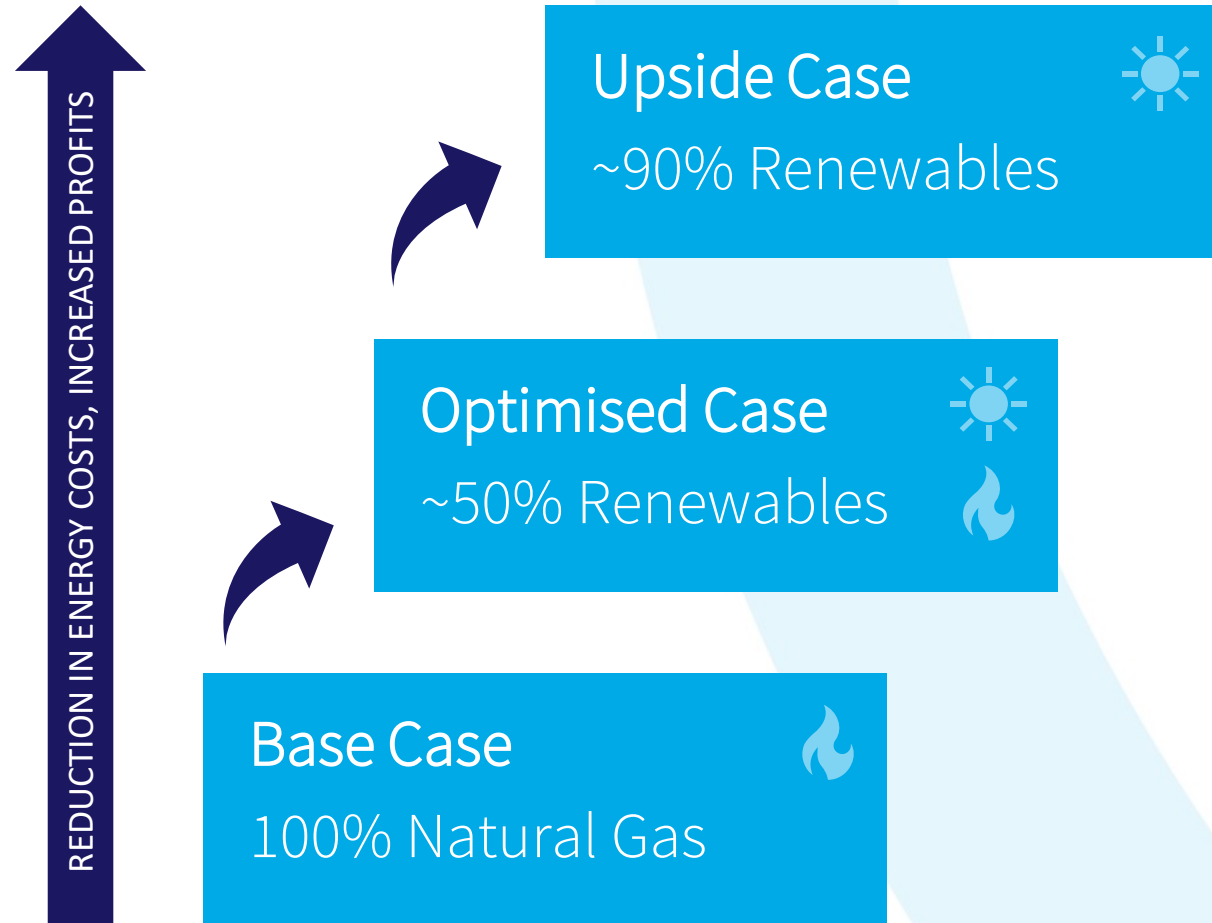
EMM EW
consumes
~6.5 MWh/t of
electricity

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Expected
energy mix is
50% wind and solar
plus 50% gas, halving
emissions and
reducing cost over
gas only*

Making Metals with Renewables - IDE

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INTERMITTENT DYNAMIC ELECTROWINNING

- Optimising electrowinning process to utilise dynamic energy supply.
- Finding the limits on key variables such as voltage, current density, solution chemistry.
- Designing management systems to use dynamic energy while maintaining quality.
- Co-funded to \$490K by the Australian Renewable Energy Agency (“ARENA”).

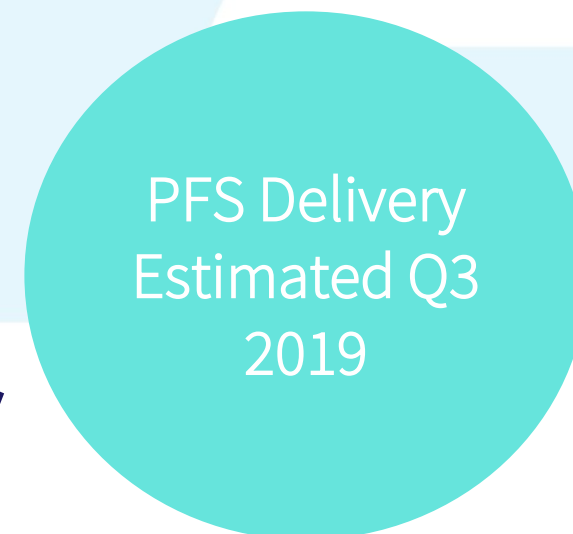


Next Steps for Element 25?

Scoping Study complete and positive.
What is the pathway to development..?

Our Journey...

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A Strong Team...

- An experienced owner's team for core disciplines.
- Experienced industry partners for specialist skill sets.
- All bases covered.
- Owner's team will grow as the project progresses.

Lycopodium

Advisian
Worley Group

ARENA



Our Journey...

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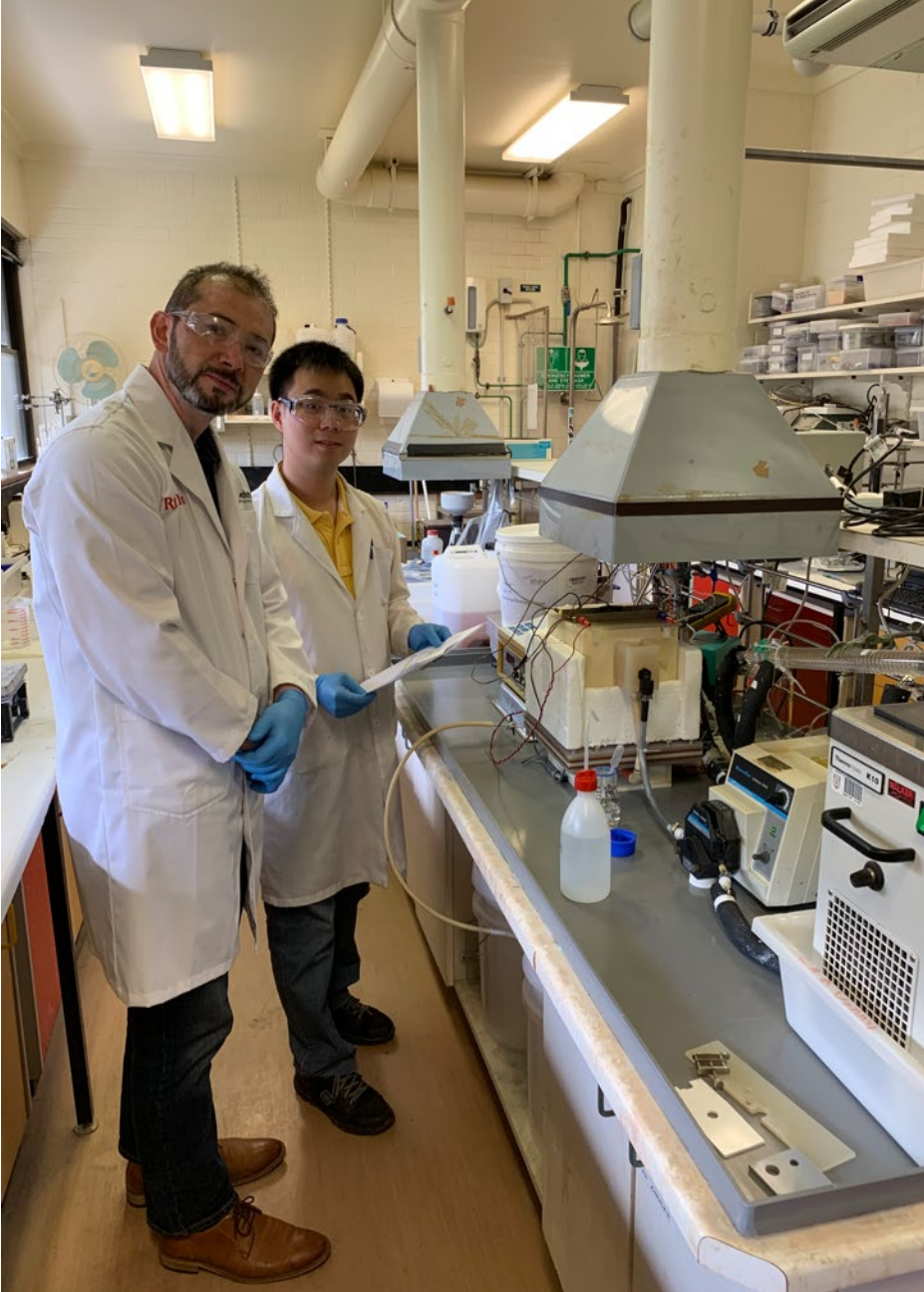
Our Goal...

- Produce the cleanest, greenest manganese products globally.
- Become a globally significant high purity manganese producer.
- Achieve best in class quality and cost profile.
- Operate ethically and sustainably in a Tier 1 jurisdiction.
- Generate strong sustainable investor returns over the long term.









Thank you.

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Appendices



Competent Person's Statement

Note: The information in this presentation that relates to Exploration Results, Exploration Targets and Mineral Resources is based on information compiled by Mr Justin Brown who is a full-time employee of the Company and is a member of the Australasian Institute of Mining and Metallurgy.

Justin Brown has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Justin Brown consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Please note with regard to exploration targets, the potential quantity and grade is conceptual in nature, that there has been insufficient exploration to define a Mineral Resource and that it is uncertain if further exploration will result in the determination of a Mineral Resource.

All references to Mineral Resources pertain to the ASX release dated 16 April 2019. The Company confirms that all material assumptions, underpinning the estimations continue to apply and have not materially changed.

For further information on Element 25 Limited and its Projects please visit its website at www.element25.com.au which contains copies of all continuous disclosure documents to ASX, Competent Persons' Statements and Corporate Governance Statement and Policies.

DISCLAIMER

The views expressed herein are not necessarily the views of the Australian Government, and the Australian Government does not accept responsibility for any information or advice contained herein.

World Class Manganese Resource

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Category	Tonnes (Mt)	Mn (%)	Si (%)	Fe (%)	Al (%)
Measured	16	11.6	20.6	11.7	5.7
Indicated	41	10.0	20.9	11.0	5.8
Inferred	206	9.8	20.8	11.4	5.9
Total	263	10.0	20.8	11.4	5.9

- Significant potential remains to increase the resource with further drilling.
- Scale of development not resource constrained.

Resource is
not closed off
and can be
extended.

Reference: Element 25 Limited ASX release dated 16 April 2019.