Element 25 Limited Investor Update



Building a World-Class Battery Grade Manganese business

June 2023 – Clarkson's Battery Value Chain Webinar







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 multiple 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.

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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 Summary



Financial Information	
ASX Ticker	E25
Shares on Issue	190M
Share Price	\$0.60
Debt	Nil



Introduction

Developing the world class Butcherbird Manganese Project in Western Australia to produce high quality manganese concentrate and battery grade High Purity Manganese Sulphate Monohydrate (HPMSM) products for traditional and new

energy markets.



Experienced Owners Team



BOARD OF DIRECTORS



Seamus Cornelius Chairman Lawyer



Justin Brown Managing Director **Geologist**



John Ribbons Non-Executive Director **CPA**



Fanie van Jaarsveld Non-Executive Director Analytical Chemist



Sam Lancuba Non-Executive Director **Chemical Engineer**

Recent board additions strengthens depth of industry & operational experience for both mining and chemical processing divisions.

PROJECT DEVELOPMENT TEAM



Michael Jordon Chief Financial Officer CPA



Doug Flanagan COO (HPMSM) **Engineer**



lan Huitson Study Manager **Mining Engineer**



Sias Jordaan Marketing Manager Accountant



Neil Graham Development Manager **Chemical Engineer**



Our Strategic Vision...



Stage 1 365Kt per annum

In production, optimising process, preparing expansion

Stage 2 1 Mt per annum Engineering design and costing in progress using DMS option

Stage 3 High Purity MnSO₄ Strong OEM support –signed with Stellantis for offtake and financing

Stage 4 MnSO₄ Expansion Long term - multiple HPMSM modules globally

1 year plan 5 year plan

Cashflow

Low capital cost, rapid start up to establish E25 as a producer while minimising dilution.

Expansion

Improved resource utilisation, reduction in unit operating costs, increased operating cash.

The Prize

Position E25 as a globally dominant producer of high purity, sustainable manganese products.

Zero Carbon Manganese[™] Best in class, zero carbon, ethically produced, scalable high purity manganese for global markets.

Not all manganese is created equal



Serving the Established...

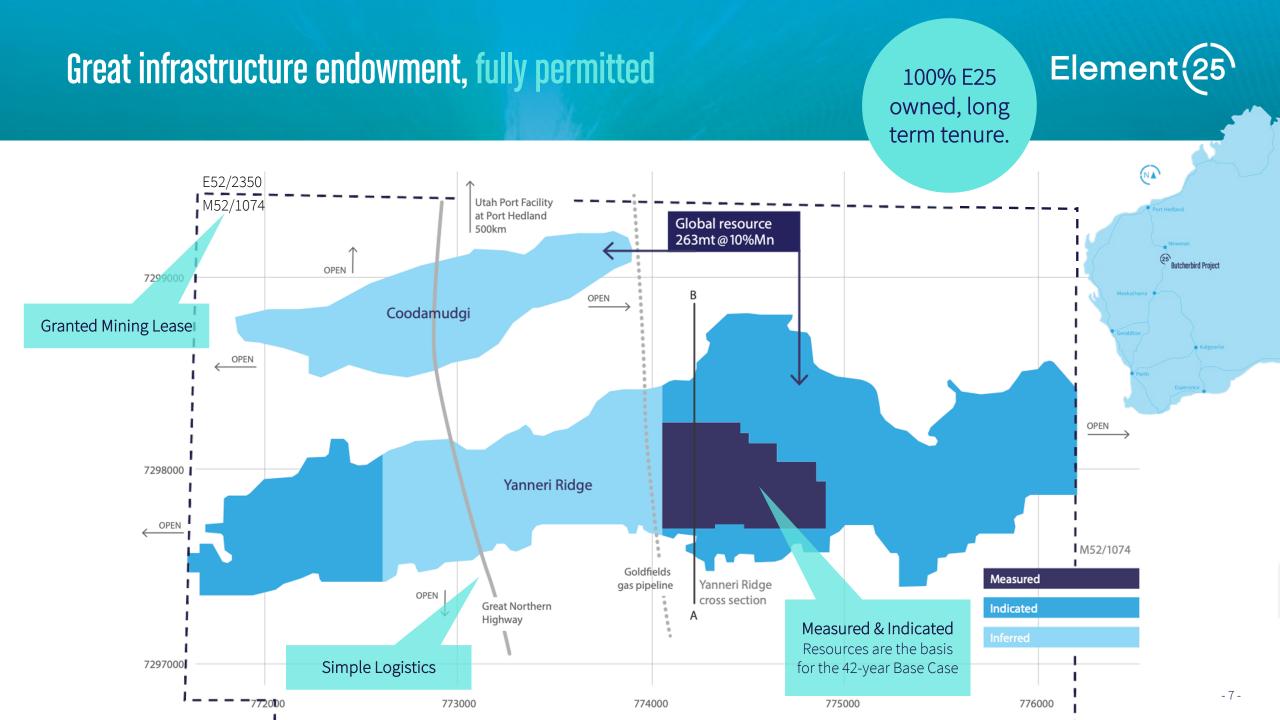
- Manganese (**Mn**) is the fourth most used metal on earth in terms of tonnage.
- Used in steel, specialty alloys and aluminium products.
- Traditionally the market has been dominated by the steel and alkaline battery industries.
- There is no substitute for manganese in steel.
- E25 manganese concentrate and EMM feed this market.

And the Emerging...

- The electrification of the global vehicle fleet requires vast amounts of cathode materials.
- Nickel and cobalt supplies cannot meet projected demand for new energy vehicle (NEV) growth.
- Batteries are trending toward higher manganese content for safer, more cost-effective solutions.
- E25 high purity manganese will feed these markets.



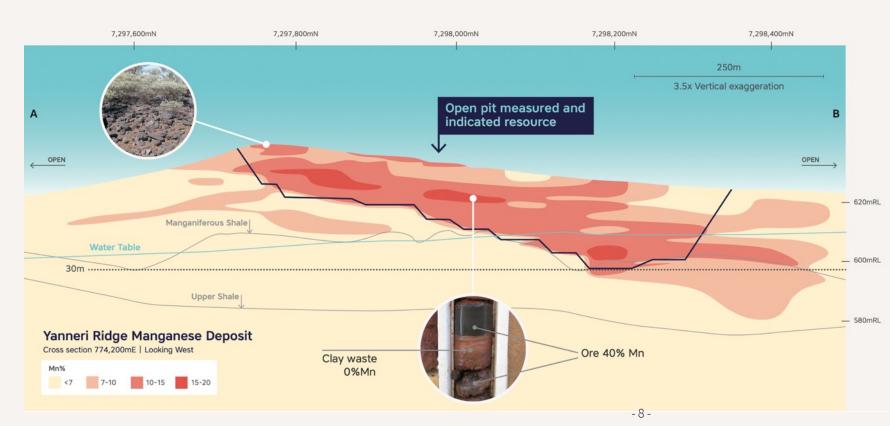




Very simple geology equals low-cost, low impact manganese units



Classification	Tonnes (Mt) Mn (%)		Contained Mn (Mt)
Resource	263	10.0	20.8
Reserve	50.6	10.3	5.22



RESOURCE GROWTH POTENTIAL

- Enough resource base for multidecade long expansion pathway.
- Can produce concentrate, battery grade HPMSM and EMM without resource limitation.

ENVIRONMENTALLY BENIGN OPERATION

- Ore from surface
- No explosives required
- No waste water
- One reagent water
- Extremely low levels of contaminants

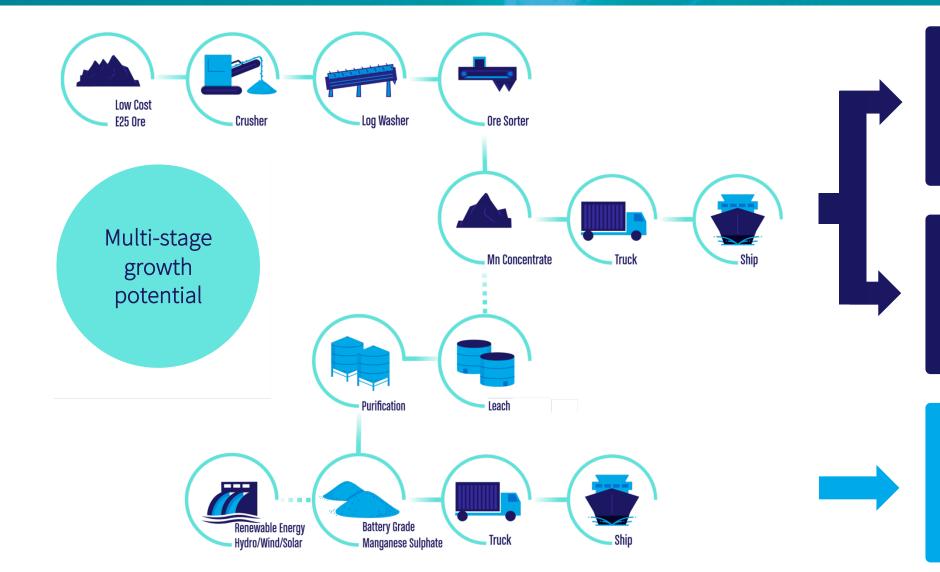
Stage 1: Project Delivery Complete - Engineering Optimisation Progressing



Element (25)

Our Goal - Zero Carbon High Purity Manganese...





Stage 1

First production of manganese concentrate to sell to manganese alloy manufacturers

Stage 2

Expansion of the concentrate production to produce manganese feedstock to convert to MnSO₄

Stage 3

Establishing a conversion facility to convert the concentrate to battery grade HPMSM with renewable energy



More vehicles equals more batteries!

Global EV¹ market growth is strong and accelerating.

Global BEV² and PHEV³ light-vehicle production, millions BEV² and **Global CAM** PHEV³ share 2,400 demand (GWh) 50 47 of sales, 2030 LDV only – **Chemistry split** European ~25% 40 60% CAGR Union ~75% 1,300 30 30% p.a.⁴ 23 China 57% 20 400 North 46% 10 America ~25% Rest of 3 22% world 2022 2026 2030 \cap 2015 2020 2025 2030 NMC/NCA, Manganese-rich • LF(M)P

- 11 -

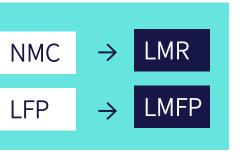
Reference: McKinsey & Company: - Electric vehicles: The next growth engine in chemicals, 2023

The Battery Industry is Looking to Manganese





"High-manganese represents the optimum cost-benefit ratio." Volkswagen, March 2021

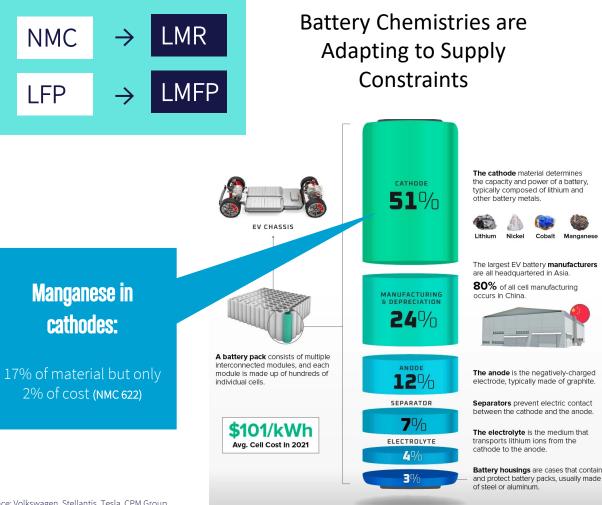




Li-Mn-rich technology shown as "cost" solution in electrification roadmap. BMW, November 2021



Tesla is working on new manganese battery cell. Tesla, March 2022



Percentages may not add to 100 due to rounding.

Source: BloombergNEF

Manganese, the battery raw material supply chain solution?



PDAC 2023 Keynote Speaker

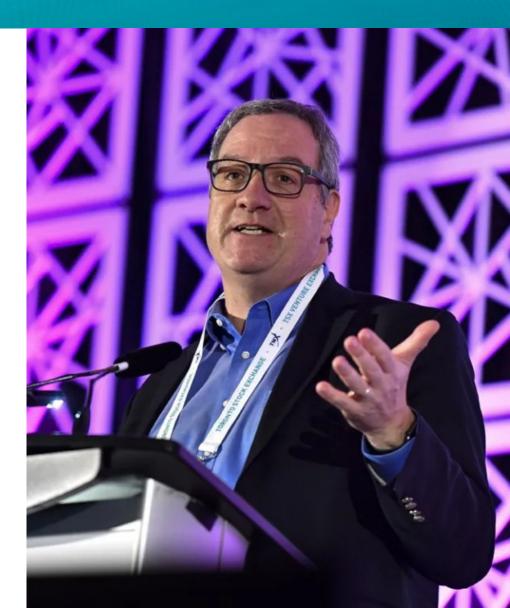
"...manganese (is) the single most critical mineral for batteries right now," he said.

"How many companies outside of China make manganese commercially for a battery right now? Which is the hottest metal for batteries? How many? None, not one," Hoffman said, adding "and there's where the opportunity is — unbelievable."

"...manganese is the single most critical mineral for batteries right now..."

Ken Hoffman, co-head of the EV battery materials research group and senior expert at McKinsey & Company

https://www.benzinga.com/news/23/03/31265433/exclusive-ev-battery-guru-ken-hoffman-at-pdac-talks-critical-minerals-which-metals-will-rise



Low cost, efficient HPMSM process – significant improvements...



Problems with Current Technologies

- Large volumes of waste residues
- Toxic Reagents
- Inefficient
- Higher Cost
- Outdated processing technology

The Element 25 Process makes significant changes & improvements...



Reagents/Cost



Carbon Emissions



Waste Residue

Element 25 Process

- More efficient (fast kinetics, reduced energy)
- Minimises reagent requirements
- Reduced carbon intensity
- Lower volumes of waste residues
- Non-toxic residues may be able to be repurposed.

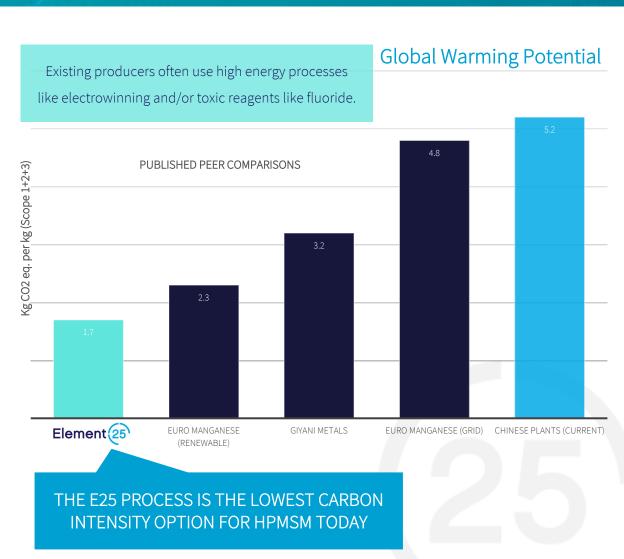
99.9% MnSO₄

Targeting Zero Carbon Manganese - ESG is integral to our thinking



- LCA covers Scope 1,2 and 3 emissions from mining through to the proposed USA-based HPMSM processing plant.
- E25 HPMSM to produce ~1.7kg of CO₂ for every 1kg of HPMSM:
 - ~ 67% lower than competitors in China.
 - o up to **47% lower** than competitors outside China.
 - o ~26% lower than next lowest project's optimised case.
- E25 process is **not yet fully optimised** for carbon reduction.
- E25 to explore renewable energy and other potential carbon reduction strategies to further reduce CO₂.

Supply chain transparency and traceability partner.



Stage 3 Expansion of Conversion Capacity - Multiple Plants Planned



Feasibility Study Site: Louisiana USA

Mn Concentrate Feedstock (33% Mn): Up to 1M tonnes per annum manganese concentrate production planned at the Butcherbird Project in Western Australia.

- E25 manganese concentrate is a very stable, easily transported feedstock.
- Allows location optionality for the processing facility.
- Multiple potential sites being explored.

- 16 -

Design One Build Many

Inflation Reduction Act 2022 - What's Changed?



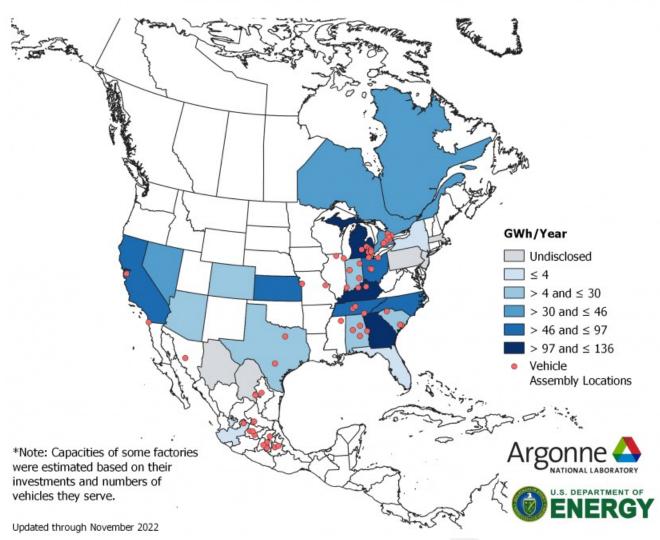
Summary of Impacts on Battery Supply Chains

- Regulations effective from January 1, 2025.
- Requirement for **40% of battery materials** to be sourced from north American or allied countries **from 2024.**
- Increasing to 80% by 2026.
- Allied countries include Australia, manganese is a qualifying critical mineral.

What does this mean for E25?

- E25 HPMSM can meet all the stated requirements of the new regulations.
- E25 resource size can supply conversion requirements for USA customers to meet their consumption needs **for decades**.
- Potential built in north America to ensure customers' HPMSM requirements meet regulatory and strategic goals.
- After calendar year 2024, the incentives will not be available for EVs that contain critical minerals that were "extracted, processed, or recycled by a foreign entity of concern".

Planned Battery Plant Capacity in North America by 2030



Geopolitical Challenges are Influencing Investment Trends



Lithium

Supply Chain Diversification

- Current battery raw material supply is dominated by China.
- Single source supply threatens supply security.
- Supply chain diversity increasingly important to OEMs.

ESG

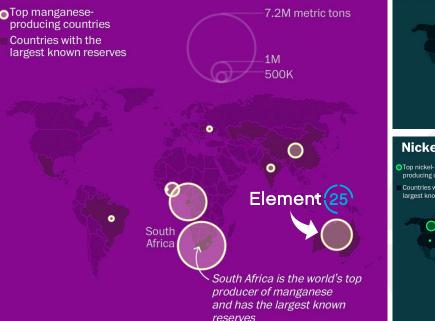
- OEM commitments to zero carbon require low carbon supply.
- E25 process provides the lowest carbon intensity HPMSM available.

Transparency & Traceability

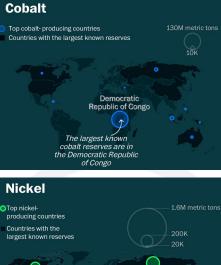
- ESG considerations are increasingly influencing supply decisions.
- Carbon Zero commitments by vehicle makers requires clarity on supply chain carbon intensity.
- Single source Australian manganese processed in a vertically integrated USA facility for OEM customers can solve this challenge.

Manganese is increasingly important as an EV battery cathode material. OEMs are seeking ethical, cost competitive, low carbon supply. Australian HPMSM can solve these challenges.

Manganese



Top lithium-producing countries Countries with the largest known reserves Countries with the largest known reserves in South America





Feasibility Study - compelling economics



Strong financial results underpinned by competitive capital and operating cost estimate

Cashflow	NPV	IRR	Capital	HPMSM
US\$155M	US\$1,662M	29%	US\$289M	65,000 t/a
pre-tax average cashflow p.a. at full production (2 trains)	pre-tax (real) at full production Discount Rate 8%	pre- tax at full production	for train 1 with an additional US\$187M required for train 2	expanding to 130ktpa with a second train

Production Plant - Location Optionality





Offtake & Financing - Stellantis



- E25 and Stellantis sign definitive agreements for the supply of battery-grade highpurity manganese sulphate (HPMSM) for Stellantis' EV battery requirements.
- Key commercial terms include:
 - E25 to supply HPMSM for a minimum of five years, with opportunities to extend.
 - E25 to supply up to 10,000tpa HPMSM for five years with provisions to increase volumes.
 - Stellantis to part-fund development of E25's HPMSM processing facility with US\$30M investment in two tranches.
- Offtake represents ~15% of total planned production volumes.
- Funding commitment represents ~15% of total anticipated capital cost.
- Arrangement includes commitments from E25 with respect to ESG and IRA compliant supply chains (Australian ore processed in USA).

STELLMNTIS

Stellantis is a leading global automaker and mobility provider that offers clean, connected, affordable and safe mobility solutions. Our Company's strength lies in the breadth of our iconic brand portfolio, the diversity and passion of our people, and our deep roots in the communities in which we operate. Our ambitious electrification and software strategies and the creation of an innovative ecosystem of strategic, game-changing partnerships are driving our transformation to a sustainable mobility tech company.









IS AUTOMOBILE















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For more information, please contact Element 25 Limited: +61 8 6375 2525 admin@e25.com.au www.element25.com.au



Our Strategic Vision... Resource scale of the Butcherbird Project underpins long-term growth.



	Company Growth Stages	Industry Segments	Opportunity	
	Manganese Ore	All Manganese Industries	Reliable Long Term Supply	
CURRENT FOCUS	Ethical Clean Manganese Supply Long term ethical supply of manganese units for downstream processing	Manganese is the world's fourth largest metal market and is used in many products from steel to batteries, glass, ceramics and more.	Demand for high quality, ethically sourced manganese units remains strong. Australia is close to market and geopolitically stable.	
	Manganese Sulphate Powering the EV Revolution Providing ethical, low carbon battery materials to enable the EV transition	Lithium Ion Battery Cathodes Manganese offers advantages including increased safety, lower costs and ethical supply. High Mn cathodes are in focus.	Electrification of Global Vehicle Fleet A macro trend that will dominate the car industry for decades. Demand for high quality ethical HPMSM to grow for many years.	
FUTURE FOCUS	Manganese Metal Future R&D Pathway Applying the E25 technology to other manganese products including EMM.	Steel and Specialty Alloys Supply chain issues not limited to batteries. Traditional consumers are also desperate for ethical, low carbon supply of EMM.	Supply Chain Diversity Strong interest from steel makers to access alternative, ethically sourced, low carbon steel inputs.	

Reserves and Resources

Maiden Ore Reserve¹

Category	Tonnes (Mt)	Mn (%)	Contained Mn (Mt)		
Proved	14.4 11.5		1.65		
Probable	36.2	9.8	3.56		
Total	50.6	10.3	5.22		

Global Mineral Resource²

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

¹Reference: Element 25 Limited ASX release dated 30 September 2022. ²Reference: Element 25 Limited ASX releases dated 17 April 2019.

- 89% conversion of measured and indicated resources to reserve.
- Maiden Reserve only exploits approximately 20% of global mineral resource.
- Excellent potential for future expansion.
- More drilling has potential to add to global resource.

Competent Person's Statement

The information in this presentation that relates to Exploration Results 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.

All references to Mineral Resources pertain to the ASX release dated 17 April 2019. The Company confirms that all material assumptions, underpinning the estimations continue to apply and have not materially changed.

All references to Mineral Reserves pertain to the ASX release dated 30 September 2022. 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.