

## ELEMENT 25 PROGRESSES BUTCHERBIRD EXPANSION PROJECT

### HIGHLIGHTS

- Lead Engineer Altris Engineering commenced work on Butcherbird Expansion Project (**BBX**) as an Integrated Project Team (**IPT**), in close collaboration with E25 engineers.
- Process Improvement studies ongoing to deliver potential cost savings and execution flexibility options.
- Mining services contract tender process well advanced and approaching final selection.
- Procurement of key equipment including mineral sizers and logwasher secured.
- Offtake negotiations well advanced with multiple term sheets under negotiation.
- Element 25 completed a AU\$10M Placement and secured a AU\$50 million senior debt facility from Northern Australia Infrastructure Facility (**NAIF**)<sup>1</sup> to fund BBX.
- Multiple term sheets under negotiation to secure balance of funds to construct the BBX project.
- BBX aims to expand production to 1.1Mtpa of manganese concentrate<sup>2</sup>.
- Butcherbird Ore Reserve of **101.4Mt at 10.4% Mn for 10.54Mt contained manganese** underpins a robust, >18-year LOM operation at 1.1 Mtpa production rate<sup>3</sup>.
- Increased manganese production capacity from BBX will support Element 25's planned high-purity manganese sulphate monohydrate (**HPMSM**) production facility in Louisiana, USA
- BBX fully approved under WA Regulatory Framework including WA Department of Water and Environmental Regulation (**DWER**)<sup>4</sup> and WA Department of Energy, Mines, Industry Regulation and Safety (**DEMIRS**)<sup>5</sup>.

Element 25 Limited (**E25, Element 25 or Company**) (**ASX: E25; OTCQX: ELMTF**) is pleased to provide an update on the Butcherbird Expansion Project (**BBX**) at its Butcherbird Manganese Mine (**Project**) in Western Australia (**WA**). As previously reported, the Company is in the process of expanding the Project to target **1.1Mtpa manganese concentrate production**<sup>6</sup>.

The Company released an updated Feasibility Study for the Butcherbird Expansion Project in January 2025 outlining the production target of 1.1Mtpa (**BBX FS**)<sup>7</sup>. An updated Ore Reserve for Butcherbird

<sup>1</sup> E25 ASX Announcement dated 17 June 2025

<sup>2</sup> E25 ASX Announcement dated 22 January 2025

<sup>3</sup> E25 ASX Announcement dated 22 January 2025

<sup>4</sup> E25 ASX Announcement dated 12 March 2025

<sup>5</sup> E25 ASX Announcement dated 13 January 2025

<sup>6</sup> E25 ASX Announcement dated 22 January 2025

<sup>7</sup> E25 ASX Announcement dated 22 January 2025

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mine delivered a 107% increase to **101.4Mt at 10.4% Mn for 10.54Mt contained manganese**, underpinning the Project’s robust, >18-year LOM operation at the planned 1.1 Mtpa production rate<sup>8</sup>. The most recent Butcherbird Mineral Resource Estimate (MRE) increased **6% to 274Mt @ 10% Mn**, with Measured and Indicated Resources increased **142% to 130Mt at 10.23% Mn**<sup>9</sup>. These updates are in line with Element 25’s strategic plan.

The Company plans to expand production capacity at the Project to supply manganese concentrate to traditional steel markets and to supply feedstock for its proposed battery grade, high purity manganese sulphate monohydrate (HPMSM) processing facility planned to be built in Louisiana, USA.

## BUTCHERBIRD EXPANSION PROJECT

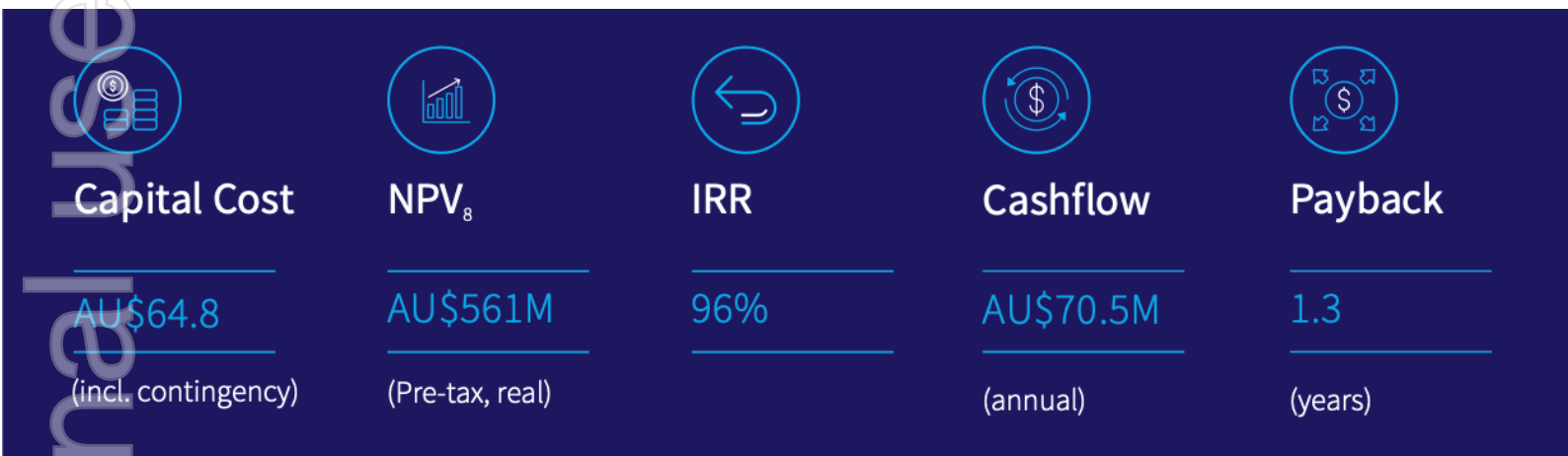


Figure 1. Butcherbird Expansion Project Feasibility Summary Results<sup>8</sup>.

### Project Finance

As announced in June 2025<sup>10</sup> the Northern Australia Infrastructure Facility (NAIF) has approved a **senior debt facility of up to AU\$50 million**, including **AU\$42.5 million in senior debt** and a **AU\$7.5 million cost overrun facility**, to support Element 25’s Butcherbird Manganese Expansion Project in Western Australia’s Pilbara region.

Since the NAIF transaction was approved, the Company has also completed an equity raising via a **\$10 million share placement** at \$0.28 per share, led by Petra Capital to accelerate the Butcherbird Expansion Project in Western Australia<sup>11</sup>. This funding is being deployed in accordance with the BBX budget, principally to advance detailed engineering activities and secure key long lead equipment items in accordance with the project schedule.

The Company is currently negotiating with a number of counterparties with respect to securing the balance of funding for BBX.

<sup>8</sup> E25 ASX Announcement dated 22 January 2025

<sup>9</sup> E25 ASX Announcement date 29 October 2024

<sup>10</sup> E25 ASX Announcement date 12 September 2025

<sup>11</sup> E25 ASX Announcement date 17 June 2025

## Project Engineering

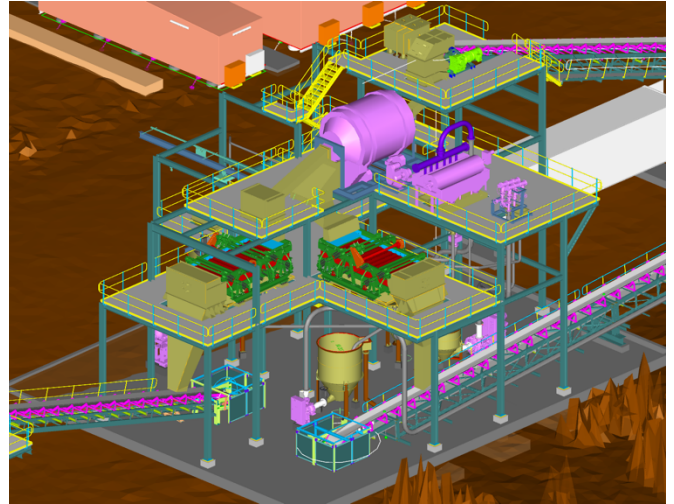
Detailed design has commenced with Altris Engineering (**Altris**) appointed as lead engineering consultant in October 2025<sup>12</sup>.

Element 25 and Altris are implementing an Integrated Project Team (**IPT**) methodology with Element 25 engineering personnel embedded and located with the Altris team to ensure collaboration and information sharing are maximised.

Early process and cost improvement studies have commenced with benefits being identified relating to cost-saving and execution flexibility opportunities.

Altris continue to expand their team in line with the ramp up of project resourcing requirements as the project advances towards commencement of construction.

The IPT is currently focussed on refinement and further definition of the core engineering detail including trade-off studies, site layout, detailed cost range analysis and a review of pricing and quantities with the previous project cost estimate as the baseline. Long lead items are being progressed in line with key Project milestones.



## Commercial Contracts

### Mining Services Contract

The Element 25 Procurement Team has materially advanced the tender process to secure a suitable mining services contractor to support the planned mining operations at the expanded Butcherbird Manganese Mine.

The team have engaged with, and assessed several rounds of clarifications from, participating contractors, evaluating each proposal based on key selection criteria including contractor experience, capability and value for money.

Applicants have been short-listed and the tender assessment process continues; it is anticipated that a decision on the preferred contractor will be made in the coming weeks.

### Engineering Services Contract

Element 25 engaged Perth-based Altris Engineering (**Altris**) to lead the expansion project on the Butcherbird Manganese Mine<sup>13</sup>. Engineering works under this contract have been initiated and are currently underway with the E25 team working closely with Altris as part of an Integrated Project Team (**IPT**). Details of the current engineering activities under this contract can be found in the section above (Project Engineering).



<sup>12</sup> E25 ASX Announcement dated 22 October 2025

<sup>13</sup> E25 ASX Announcement dated 22 October 2025

## Crushing and Mineral Sizer Solutions

Element 25 has undertaken a detailed assessment of the crushing requirements for the expanded operations at Butcherbird. The Company has extensively evaluated the design requirements of the mineral crusher and sizers, including the associated equipment and circuit design to establish the most cost effective and efficient design for this capability.



Mineral Sizers from MMD have been selected as the preferred equipment for this application and a procurement contract has been entered into with MMD to supply both the primary and secondary sizer units along with critical spares and commitment for commissioning support and post-commissioning maintenance services.

## Logwasher

The logwasher is a large-scale scrubbing unit with two counter-rotating paddle shafts that scrub the feed while an opposing water flow separates liberated fines discharging clean product at the upper outlet of an inclined trough. This is a key step on the process flowsheet for BBX where the process aims to liberate the lump manganese product for the intercalated lateritic clay material.



E25 has entered into a supply contract with KISA GmbH to supply a logwasher unit with a nominal 600 t/h federate and max 11° gradient. The unit has been carefully selected for the proposed BBX use. The logwasher has been manufactured and awaits transportation to the Project site in accordance with the current schedule.

## Logistics

Element 25 maintains a close partnership with REGROUP, the logistics service provider who supported the Stage 1 operations at Butcherbird, providing road haulage services for manganese concentrate from the Butcherbird mine site.



The road haulage agreement for the BBX Project is currently being negotiated with REGROUP to provide for increased volumes as well as more efficient material movement through revised equipment selection and scheduling and improved analytics as well as a broader review of contract terms.

As the largest cost of the proposed operation, both parties are working together to maximise efficiencies and reduce transportation costs, with identifying opportunities for continuous improvement being a key priority.

As per the Stage 1 operations, the Company will utilise the Utah Point common user facilities to export manganese concentrate cargos, with adjustments to the logistics plan being developed to accommodate the larger volumes and optimise the overall transport costs.

## Offtake

Discussions remain ongoing with a number of key counterparties to finalise offtake for the increased production from the BBX Project.

The manganese concentrate product produced from the Butcherbird Mine has a unique set of properties which make it attractive to smelters, particularly in the silico-manganese market. These attributes include a high silica content (>20%), low levels of deleterious contaminants such as phosphorous, heavy metals and arsenic, a suitable iron-manganese ratio and a physical competency which minimises fragmentation and fines generation which can be important for transport and in smelting operations.

The Company continues to refine the terms of the offtake under these negotiations and plans to finalise the preferred offtake partner and commercial terms as soon as practicable.

## Core Operating Systems

The Core Operating and Business Intelligence Systems are key for the success of both the BBX Project and the long-term operations of the Butcherbird Manganese Mine.

Element 25's procurement team is working with selected consultants to develop the solution design document and define the scope of work for the core systems and associated infrastructure, including the Company's Enterprise Resource Planning (**ERP**) system.

These systems will provide the foundation for the Company's vision to deliver a highly granular digital business intelligence system with detailed visibility on all operational elements from pit-to-port to support ongoing efficiency improvements, optimise product quality and reduce costs.

As a long-term operation, it is critical that the Butcherbird Mine utilises a future facing technology strategy to maintain its competitive edge as the world moves towards the expanded adoption of real-time data driven automated decision making to maximise performance across all key metrics including safety, performance, and profitability.

## Permitting and Approvals

The Element 25 Butcherbird Project is fully approved under the Western Australian Regulatory Framework<sup>14</sup> to construct the 1.1Mpta<sup>15</sup> processing plant.

The Company has maintained all regulatory approvals including the Environmental Licence, since the Stage 1 plant commenced in 2021 through ongoing compliance and regular statutory reporting. The water abstraction licence, heritage clearances, native title and pastoral agreements are in place and continue to remain applicable.

An established Tailings Storage Facility (**TSF**) is fully approved to support the storage requirements of the expansion for the first six years of operations and subsequent staged lifts and engineering designs have been completed to sustain the current Reserve life of the project.

To reflect the expanded processing plant footprint and increase in throughput, the Mining Proposal and Mine Closure Plan were updated and approved in December 2024 by the Department of Mines, Petroleum and Exploration (**DMPE** formerly **DMIRS**)<sup>16</sup>. The Works Approval for the construction of the

<sup>14</sup> E25 ASX Released dated 12 March 2025

<sup>15</sup> E25 ASX Released dated 22 January 2025

<sup>16</sup> E25 ASX Release dated 13 January 2025

expanded processing facility project was approved by the WA Department of Environment and Regulation (**DWER**) in March 2025<sup>17</sup>.

## Project Schedule

The schedule for BBX is continually updated to accommodate commercial contracting, supplier engagement, completed works, and alignment with the project plan, including activities that are forecasted, planned, commenced and achieved.

The work breakdown structure (**WBS**) is comprehensive, with significant interdependencies among tasks and activities. The team remains dedicated to maintaining project timelines and budgetary objectives.

Figure 1 provides a high-level overview of the current target schedule for the BBX Project. The schedule remains subject to a number of key dependencies including achieving project financial close, completion of detailed engineering, procurement of key equipment and finalising the construction contract(s) in accordance with the planned key dates. The schedule continues to be monitored as the Company progresses BBX.

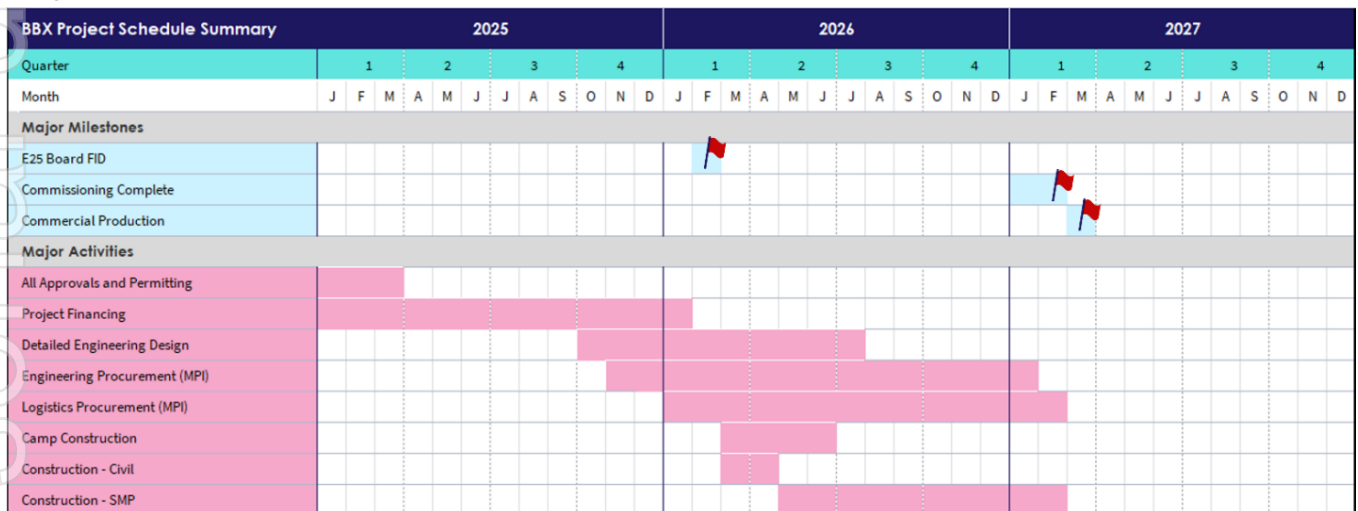


Figure 2. Butcherbird Expansion Project Timeline Summary

## ABOUT ELEMENT 25

Element 25 is an ASX-listed company (ASX: **E25**) that operates the world-class 100%-owned Butcherbird Manganese Project in Western Australia and is currently undertaking activities to expand production to approximately 1.1Mtpa of medium-grade high silica manganese ore for use in traditional and new energy markets<sup>18</sup>.

E25 is also commercialising innovative proprietary technology to produce battery-grade high-purity manganese sulphate monohydrate (HPMSM) for use in Electric Vehicle (**EV**) battery manufacturing. The Company plans to build its first HPMSM refinery in Louisiana USA to produce raw materials for the US EV market, in partnership with General Motors LLC (**GM**) and Stellantis N.V. (**Stellantis**)<sup>19</sup>. E25 aims to become an industry leading, world class, low-carbon battery materials manufacturer.

<sup>17</sup> E25 ASX Release dated 12 March 2025

<sup>18</sup> E25 ASX Release dated 22 January 2025

<sup>19</sup> E25 ASX Releases dated 9 January 2023 and 26 June 2023

The Louisiana refinery is planned as the first of several HPMSM facilities planned for development under E25's "Design One Build Many" commercialisation strategy which envisages a hub and spoke model, with ore supplied from E25's Butcherbird Mine in Western Australia to supply processing facilities in key regional markets to supply HPMSM to the rapidly growing EV servicing key global regions.

Company information, ASX announcements, investor presentations, corporate videos, and other investor material in the Company's projects can be viewed at: [www.element25.com.au](http://www.element25.com.au).

This announcement is authorised for market release by Element 25 Limited's Board of Directors.

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**Competent Persons Statement**

The Company confirms that in the case of Production Targets, all material assumptions underpinning the production target, or the forecast financial information derived from a production target, in the market announcement dated 22 January 2025 continue to apply and have not materially changed. All estimates of Mineral Resources or Ore Reserves underpinning the production target have been prepared by a competent person or persons in accordance with the requirements of the JORC Code, Appendix 5A.

The Company confirms that in the case of Mineral Resource or Ore Reserves, all material assumptions and technical parameters underpinning the estimates in the market announcements dated 29 October 2024 and 22 January 2025 continue to apply and have not materially changed.

The Company confirms that it is not aware of any new information or data that materially affects information included in previous announcements, and all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

**Investor Relations Disclaimer**

Certain Statements included in this announcement are forward-looking statements concerning Element 25 Limited and its subsidiaries (E25) and its operations, economic performance, financial condition, plans and expectations. Without limiting the foregoing, statements including the words "believes", "anticipates", "plans", "expects", "could", "potential", "should" and similar expressions are also forward-looking statements.

All forward-looking statements are subject to a variety of known and unknown risks, uncertainties and other factors that could cause actual events or results to differ from those expressed or implied, including, without limitation, business integration risks; uncertainty of production, development plans and cost estimates, commodity price fluctuations; political or economic instability and regulatory changes; currency fluctuations, the state of the capital markets, uncertainty in the measurement of mineral reserves and resource estimates, E25's ability to attract and retain qualified personnel and management, potential labour unrest, reclamation and closure requirements for mineral properties; unpredictable risks and hazards related to the development and operation of a mine or mineral or mineral deposit or mineral processing facility that are beyond E25's control, the availability of capital to fund all of the Company's projects and other risks and uncertainties.

You are cautioned that the foregoing list is not exhaustive of all factors and assumptions which may have been used. E25 cannot assure you that actual events, performance or results will be consistent with these forward-looking statements, and management's assumptions may prove to be incorrect. E25's forward-looking statements reflect current expectations regarding future events and operating performance and speak only as of the date hereof and E25 does not assume any obligation to update forward-looking statements if circumstances or management's beliefs, expectations or opinions should change other than as required by applicable law. For the reasons set forth above, you should not place undue reliance on forward-looking statements.