



to production mid 2024

2023 BMO Global Metals, Mining & Critical Minerals Conference

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ASX: LTR

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### Liontown

### Important Information

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This Presentation contains forward-looking statements which are identified by words such as 'may', 'could', 'believes', 'estimates', 'targets', 'expects', or 'intends' and other similar words that involve risks and uncertainties. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions regarding future events and actions that, as at the date of this Presentation, are considered reasonable. Such forward-looking statements are not a guarantee of future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of the Company, the Directors and the management. The Directors cannot and do not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this Presentation will actually occur and investors are cautioned not to place undue reliance on these forward-looking statements. The Directors have no intention to update or revise forward-looking statements, or to publish prospective financial information in the future, regardless of whether new information, future events or any other factors affect the information contained in this Presentation, except where required by law or the ASX listing rules.

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#### Competent person statemen

The Information in this Presentation that relates to Mineral Resources for the Kathleen Valley Project is extracted from the ASX announcement "Strong progress with Kathleen Valley Definitive Feasibility Study as ongoing work identifies further key project enhancements" released on 8 April 2021 which is available on <a href="https://www.ltresources.com.au">www.ltresources.com.au</a>.

Kathleen Valley Project - Mineral Resource Estimate as at April 2021

Resource category	Million tonnes	Li₂O %	Ta₂O₅ ppm
Measured	20	1.3	145
Indicated	109	1.4	130
Inferred	27	1.3	113
Total	156	1.4	130

Notes: Reported above a Li2O cut-off grade of 0.55%. Tonnages and grades have been rounded to reflect the relative uncertainty of the estimate

The Information in this Presentation that relates to Mineral Resources for the Buldania Project is extracted from the ASX announcement "Liontown announces maiden Mineral Resource Estimate for its 100%-owned Buldania Lithium Project, WA" released on the 8 November 2019 which is available on <a href="https://www.ltresources.com.au">www.ltresources.com.au</a>.

Anna Deposit, Buldania Project – Mineral Resource as at October 2019

Resource category	Million tonnes	Li <sub>2</sub> O %
Indicated	9.1	1.0
Inferred	5.9	1.0
Total	15.0	1.0

Notes: Reported above a Li2O cut-off grade of 0.5%. Tonnages and grades have been rounded to reflect the relative uncertainty of the estimate

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

#### Authorisation

This Presentation has been authorised for release by the Managing Director, Mr Tony Ottaviano.

## **Corporate Overview**

A globally significant provider of battery minerals for the rapidly growing clean energy market





### **Corporate Snapshot**

(24 February 2023)

**Market Cap** 

A\$2.91bn

**Major Shareholders** 



Available Funds<sup>1</sup>

A\$384m cash A\$300m debt **Share Price (\$/s)** 

A\$1.37

Foundation Offtake Partners<sup>1</sup>







**Research Coverage** 



BELL POTTER Barrenjoey°







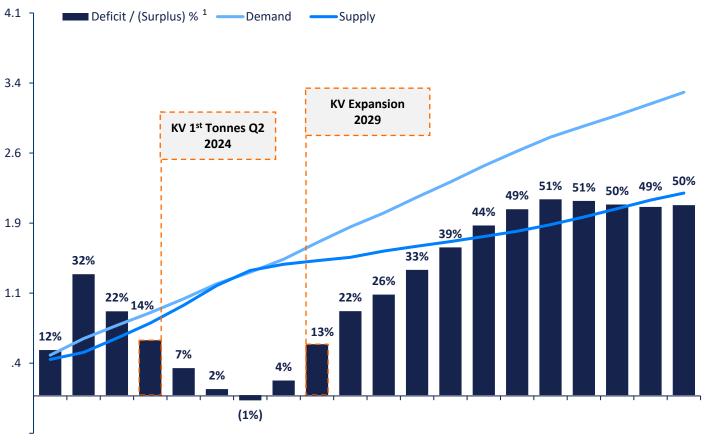
1. First 450,000 DMT 6.0 LCE per annum committed from first production 2 Deposit Balance as of 31 December 2022 + Undrawn Ford Debt Facility



# **Lithium Supply Dynamics**

Forecast lithium market deficit is expected to grow out to 2040, driven by significant demand and tight supply

### Demand / Supply Forecast, 2021-40, kt LCE (Battery Grade)



2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040

#### **Demand**

- Consensus shifting to significant demand gap emerging ~2030
- Over ~100 new projects needed by 2030 to support demand<sup>2</sup>
- EV penetration expected to reach ~50% by 2030, equating to 5.5x growth

#### Supply

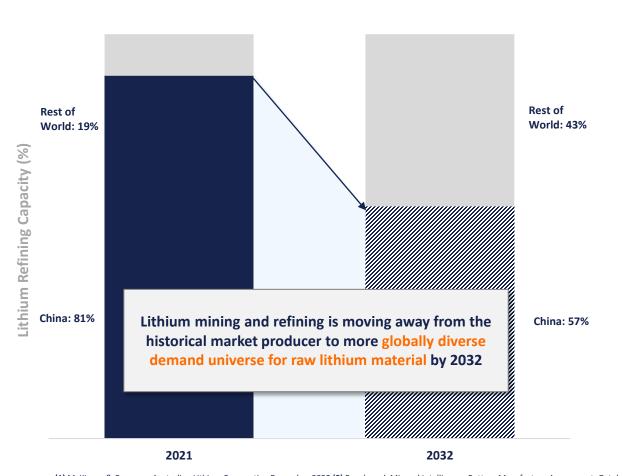
- Near-term supply-side risk as many development peers extend project timelines
- Lower-grade, higher-cost projects likely required to fill growing demand gap<sup>2</sup>
- Significant shortage of high-quality, high-grade product expected.
- Market wide cost escalation impacting developers, with increased capital costs while long-term price expectations in the market remain constant

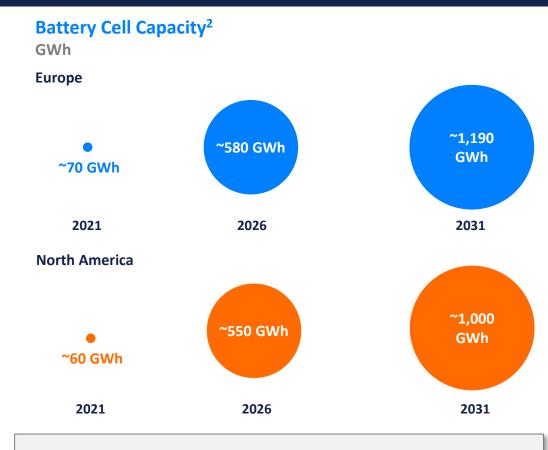
# Global Lithium Demand



Global demand for high quality lithium is expected to diversify rapidly by 2031 as countries increasingly aim to localise battery manufacturing capacity to meet electric vehicle demand

# **Lithium Refining Capacity by Country, 2021-32**<sup>1</sup> % of kt LCE





EV future is not just a China-led story. US and EU Government policy to expand localised supply chains coupled with strong EV demand expected to increase lithium demand in new growth regions







# **Kathleen Valley Full Potential**

Become a globally significant sustainable supplier of spodumene



### Downstream Expansion

Develop integrated Australian operations to capture higher margins, create new supply chains



**\rightarrow** 

### **Liontown Full Potential**

Expand portfolio through organic growth, value accretive M&A and exposure to the circular economy



### Tjiwarl comprehensive partnership

- First Native Title Agreement signed since Juukan Gorge
  - Hand-in-hand in delivery: First siteworks and early
     mine milestones undertaken by Tjiwarl

#### Net zero target by 2034

- 95MW renewable-hybrid power station among largest offgrid nationally
- Supported by A\$25m guarantee from Australian Govt

Download Liontown's second ESG Report at <a href="Itresources.com.au">Itresources.com.au</a>

## **Kathleen Valley Project**

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- Globally significant resource of high-grade, located in tier-1 mining jurisdiction
- Construction underway and on-track for first production in mid-2024
- Plant throughput capacity optimised to deliver 3 Mtpa<sup>1</sup>,
   a 20% increase on the DFS <sup>1</sup>
- Early revenue potential identified via Direct Shipping Ore (DSO)<sup>2</sup>. Investigations ongoing
- Optimisation and scope adjustments, coupled with industry-wide cost escalation, resulted in revised capital estimate of A\$895m<sup>3</sup>
- Advancing a range of further funding options, with time to resolve.









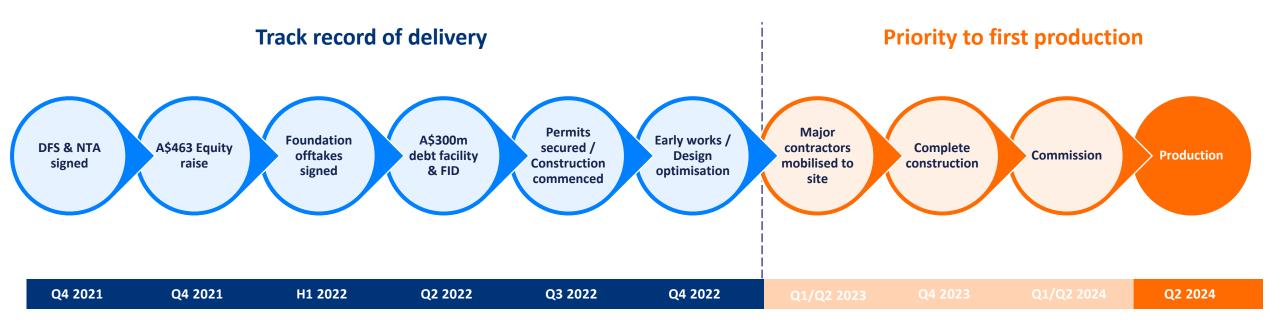
<sup>1</sup> Initial throughput capacity now 3 Mtpa (compared to 2.5 Mpta in DFS), refer 20 January 2023 Project Update Announcement 2 Material identified for potential DSO not previously expected to be processed, refer 20 January 2023 Project Update Announcement 3 Capex to first production, inclusive of A\$40 contingency

# Clear Pathway to First Production



Liontown is focused on delivering a major new source of greenfields lithium spodumene into production by mid 2024.

Time and options to solve optimal funding mix, which may be offset by early revenue potential from DSO and/or pre-sales.



Continued assessment of growth and downstream processing options



## **Liontown's Downstream Strategy**

Updated Downstream Scoping Study (2021) confirmed value maximising pathway is a staged-build, with an integrated refinery.

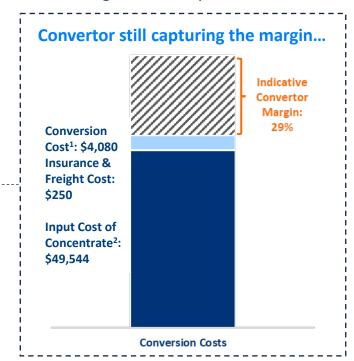
**Value Maximising** 

Strategically Compelling

**Full Optionality** 

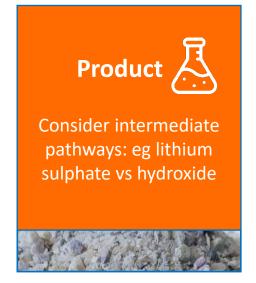
Recent discussions in Washington DC reinforced the strategic intent and economic value of 'IRA compliant' materials in the value-chain.

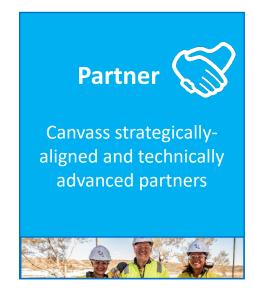
Next stage PFS to explore three fundamental questions: **optimal place**, **product and partner/s**:



#### Three strategic questions we're prosecuting







Source: Fastmarkets, All prices displayed in USD, Wood Mackenzie



# Kathleen Valley – Fast charging to first production mid 2024





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