



# HIGH IMPACT AUSTRALIAN LITHIUM EXPLORATION

INVESTOR PRESENTATION

SEPTEMBER 2023

ASX | LPM



# Important INFORMATION

## Forward Looking Statements

Certain statements contained in this presentation, including information as to the future financial or operating performance of Lithium Plus Minerals Ltd ("Lithium Plus") and its projects, are forward looking statements. Such forward looking statements:

- include, among other things, statements regarding incomplete and uncertain proposals or targets, production and prices, operating costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- are necessarily based upon several estimates and assumptions that, while considered reasonable by Lithium Plus, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
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## Competent Persons Statement

The information in this report that relates to Exploration Results, Mineral Resources or Reserves is based on information compiled by Dr. Jason Berton, who is a member of the Australian Institute of Mining and Metallurgy. Dr. Berton has sufficient mineral exploration experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity 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" (JORC Code). Dr. Berton consents to the inclusion in this report of the matters and information discussed, based upon the form and context in which it appears. Lithium Plus confirms that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

## Exploration by Other Explorers

This presentation contains information sourced from the reports of Other Explorers. References to the original reports are provided as footnotes where the information is cited in this presentation. Lithium Plus does not vouch for the accuracy of these reports. Lithium Plus has taken the decision to include this information as it is in the public domain and as we assess it to be of relevance to shareholders and investors.



## HIGH IMPACT AUSTRALIAN LITHIUM EXPLORATION

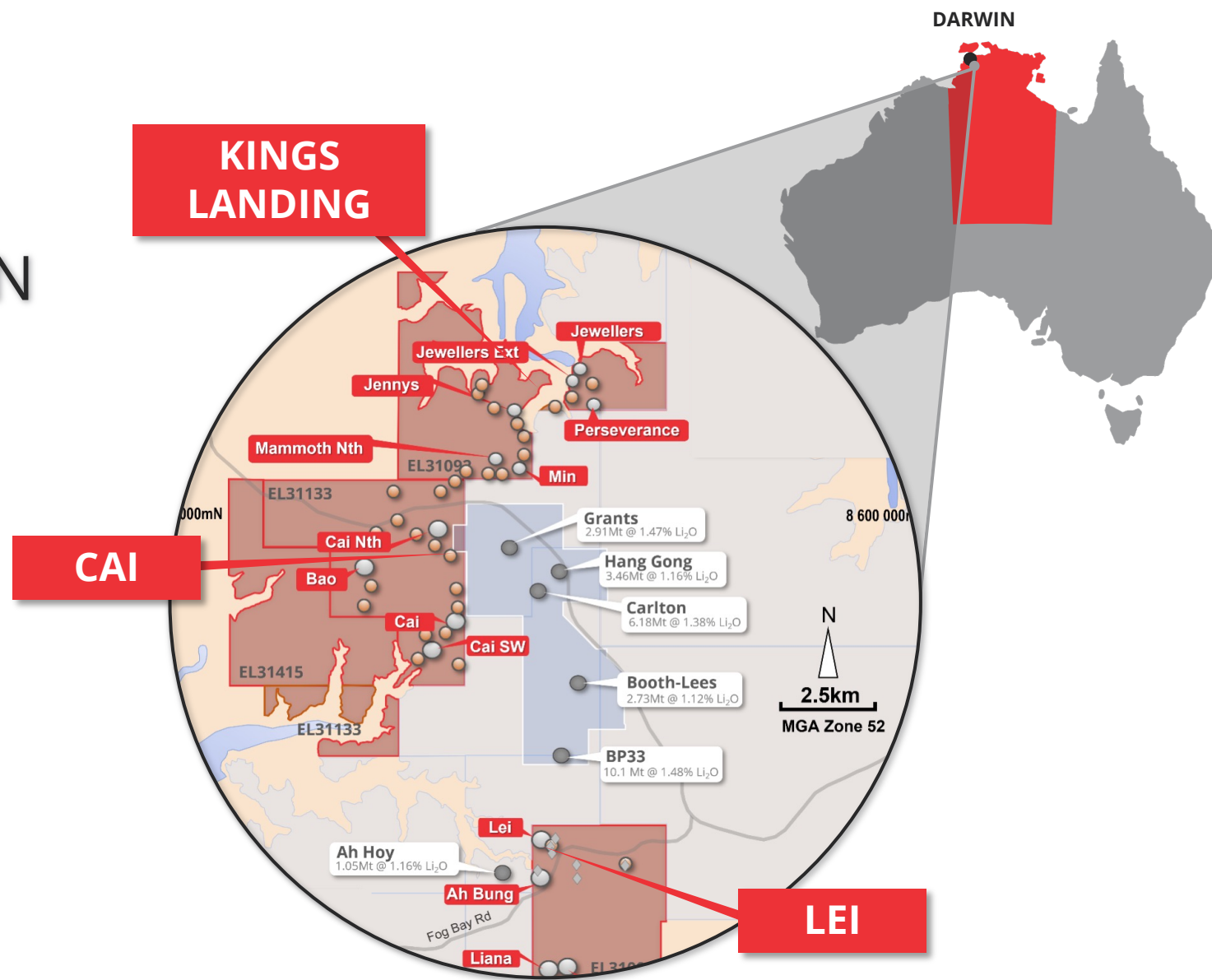
Focused on rapid resource definition and growth at two prolific lithium-rich pegmatite fields surrounding the Finniss Lithium Mine



**Lei Prospect** **DISCOVERY**  
Proven high-grade lithium mineralisation



**Kings Landing** **AREA**  
More than 6 drill-ready outcropping pegmatite targets



**Bynoe PROJECT**

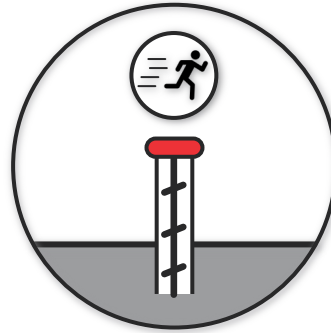
# Investment HIGHLIGHTS



**Premier**  
PROJECT  
LOCATION



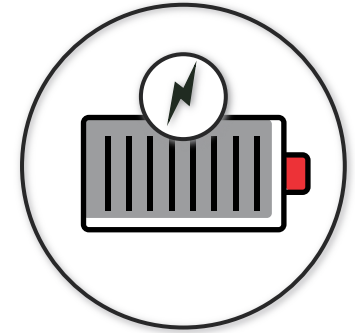
**Outstanding**  
GEOLOGICAL  
PROSPECTIVITY



**Aggressive**  
DRILLING  
PROGRAM



**Proven**  
BOARD AND  
MANAGEMENT



**Leveraged**  
TO THE BATTERY  
TRANSITION





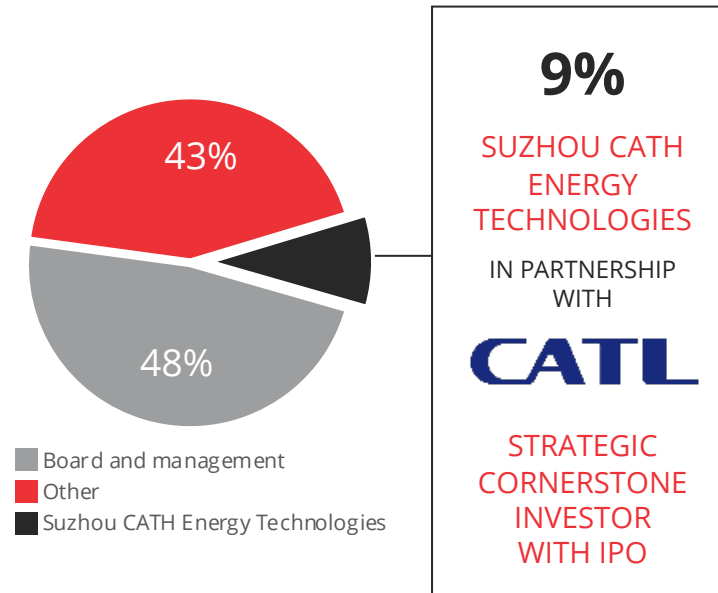
# Corporate OVERVIEW

## Capital structure

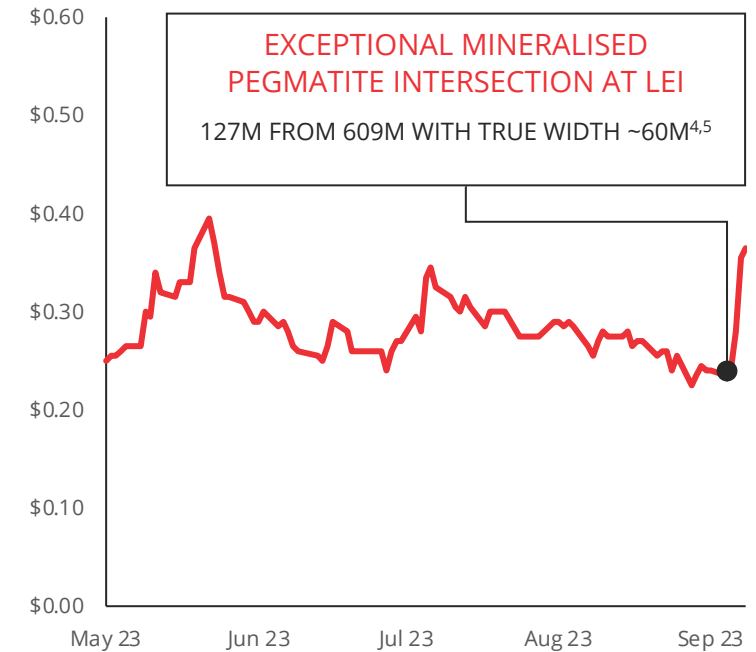
Share price <sup>1</sup>	A\$0.35
Total shares on issue <sup>2</sup>	112.34M
Market capitalisation	A\$39.32M
Cash <sup>3</sup>	A\$8.31M
Debt <sup>3</sup>	A\$0.00M
Enterprise value	A\$31.01M

**ASX:LPM**

## Register composition



## Share price



1. At 8 September 2023

2. At 30 May 2023

3. At 30 June 2023

4. Refer 7 September 2023 ASX Announcement, "Exceptional 127m mineralised pegmatite intersection at Lei"

5. See Appendix slide "BYLDD019 hole summary" for further information



# Lei Prospect **DISCOVERY**

SIGNIFICANT INITIAL LITHIUM MINERALISATION IDENTIFIED IN 2017

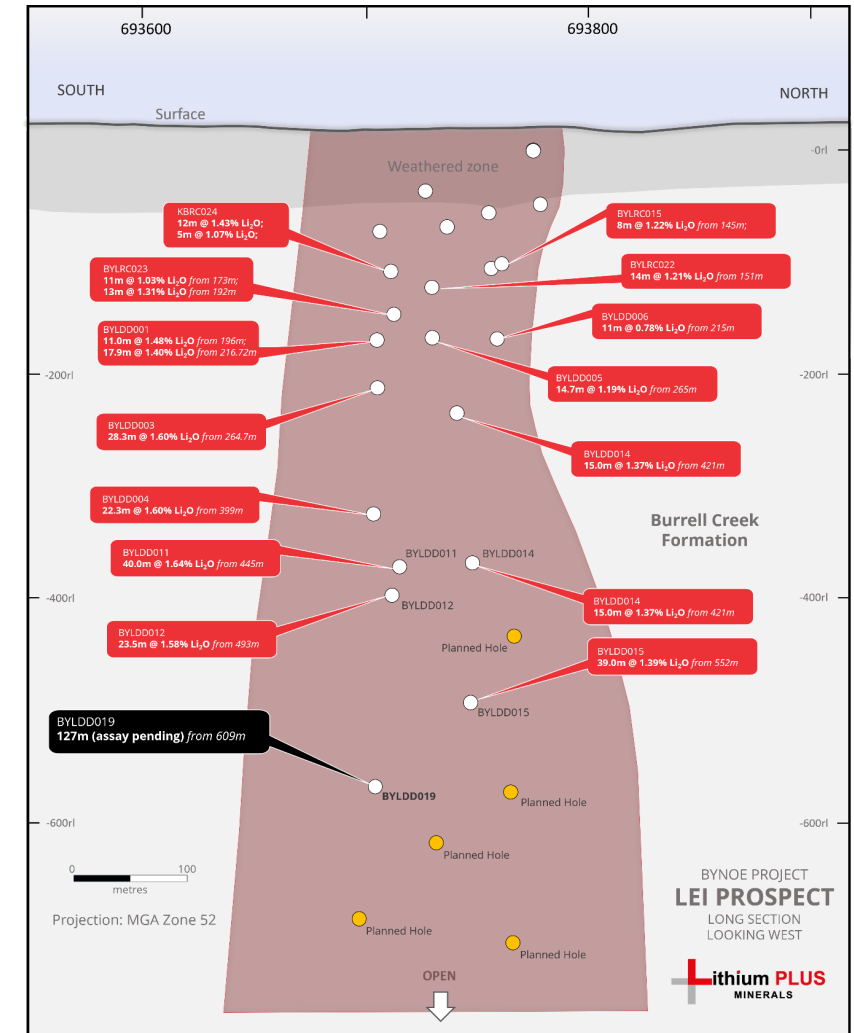
- **First-mover acquirer** of the highly prospective tenement package in 2018
- **Drilling at Lei delivered extensional success** at depth and included the discovery of **a second lithium mineralised pegmatite** occurrence<sup>1,2</sup>
- Quality of the Lei Discovery highlighted by the recent **exceptional intersection; 127m of strongly mineralised pegmatite from 609m** (hole BYLDD019, assays pending)<sup>3,4</sup>
- Represents **one of the largest mineralised intersections ever recorded from the Bynoe pegmatite field**, putting the Lei pegmatite in company with Core Lithium Ltd's (ASX: CXO) previously reported world-class 119m intercept at the BP33 deposit (refer ASX announcement 12 December 2019)

1. Refer 18 October 2022 ASX Announcement "High grade lithium intercepts returned at Lei Prospect"

2. Refer 1 February 2023 ASX Announcement "Second shallow pegmatite discovered at Lei major pegmatite continues at depth"

3. Refer 7 September 2023 ASX Announcement, "Exceptional 127m mineralised pegmatite intersection at Lei"

4. See Appendix slide "BYLDD019 hole summary" for further information



BYNOE PROJECT  
**LEI PROSPECT**  
LONG SECTION  
LOOKING WEST

**Lithium PLUS**  
MINERALS

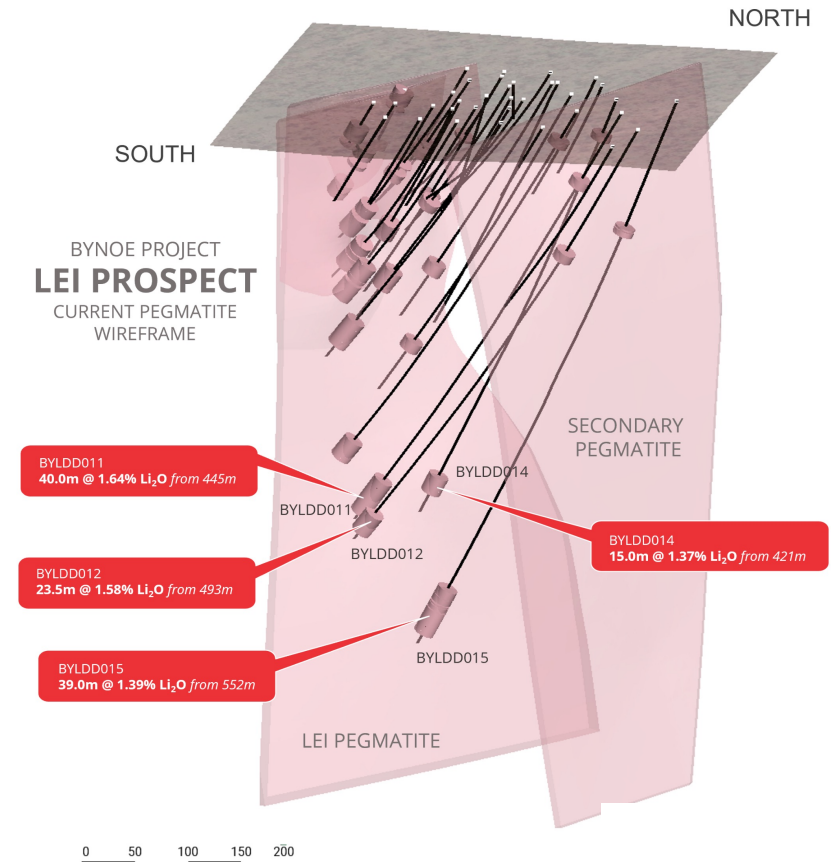




# Lei Prospect **DISCOVERY**

HIGHLY SUCCESSFUL EXPLORATION DRILLING AT LEI DUAL PEGMATITE SYSTEM<sup>1,2,3,4</sup>

- Significant extensional intersections of high-grade spodumene mineralisation in **the primary Lei pegmatite** include:
  - 28.7m @ 1.43% Li<sub>2</sub>O** from 196.0m (two main intervals over 38.5m) (BYLDD001)
  - 24.0m @ 1.18% Li<sub>2</sub>O** from 173.0m (two main intervals over 32.0m) (BYLRC023)
  - 28.3m @ 1.60% Li<sub>2</sub>O** from 264.7m (BYLDD003)
  - 22.3m @ 1.60% Li<sub>2</sub>O** from 398.8m (BYLDD004)
  - 40.0m @ 1.64% Li<sub>2</sub>O** from 445.0m (BYLDD011)
  - 23.5m @ 1.58% Li<sub>2</sub>O** from 493.0m (BYLDD0012)
  - 39.0m @ 1.39% Li<sub>2</sub>O** from 552.0m (BYLDD015)
- Results from BYLDD009 confirmed the presence of the second pegmatite occurrence, where is **successfully intersected 8.5m of fresh pegmatite from 82.1m, returning 5m @ 0.51% Li<sub>2</sub>O**



1. Refer 24 November 2022 ASX Announcement "Further high-grade lithium intercept returned at Lei Prospect"  
2. Refer 1 February 2023 ASX Announcement "Second shallow pegmatite discovered at Lei - Major pegmatite continues at depth"  
3. Refer 20 July 2023 ASX Announcement "Thick high-grade mineralised intersections extend Primary Lei pegmatite"  
4. Refer 28 March 2023 ASX Announcement "Assay results confirm further mineralisation at Lei"



# Lei Prospect **DISCOVERY**

SIGNIFICANT MAIDEN MINERAL RESOURCE OPPORTUNITY

- **Both Lei mineralised pegmatites remain open at depth**
- **Fully funded, diamond drilling program** ongoing to test the extent of both Lei pegmatites
- Extensional drilling includes **five further diamond holes**
- Infill drilling for up to 7 RC holes **to begin in the coming weeks**
- Remain on track for declaration of a **maiden high-grade lithium resource by Q4 2023**<sup>1,2</sup>

1. Target timeframes are subject to change and may be impacted by wet season or other unforeseen circumstances

2. For details on spodumene pegmatite core BYLDD09 refer 7 September 2023 ASX Announcement "Exceptional 127m mineralised pegmatite intersection at Lei".



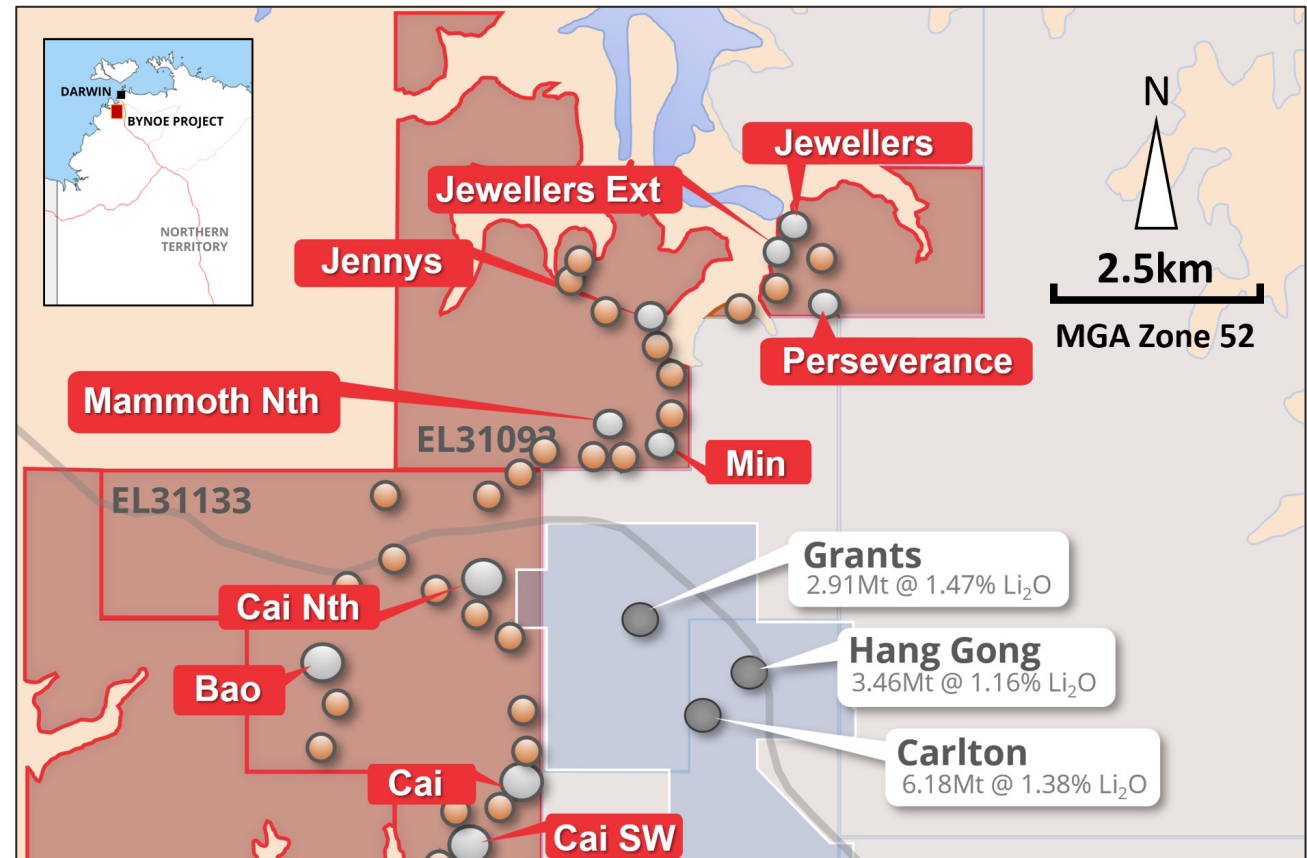




# Kings Landing AREA

MORE THAN SIX DRILL-READY, OUTCROPPING PEGMATITE TARGETS

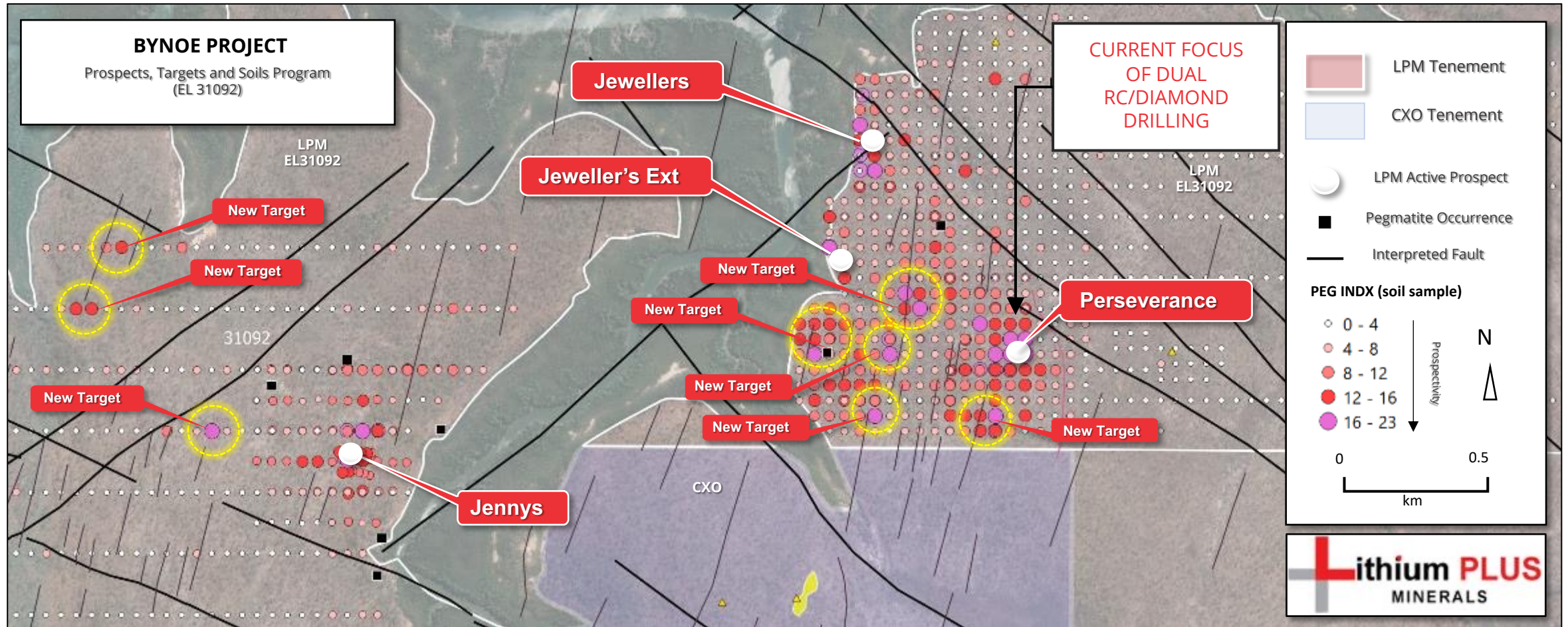
- Surface mapping has identified **several large weathered pegmatites** (exposed in historic costeaning):
  - 500m long at **Jewellers**
  - >100m long at **Perseverance**
  - 250m long at **Jennys**
- Four large, high-priority pegmatite systems to be targeted; **Perseverance, Jewellers, Jewellers Extended and Jennys**
- Drilling during Q4 2022 included **eight preliminary holes** at Perseverance
- Results confirmed **spodumene-bearing and lithium grades above 0.5% Li<sub>2</sub>O** in fresh pegmatite





# Kings Landing AREA

DEFINING MULTIPLE NEW TARGETS





# Ongoing EXPLORATION PROGRAM

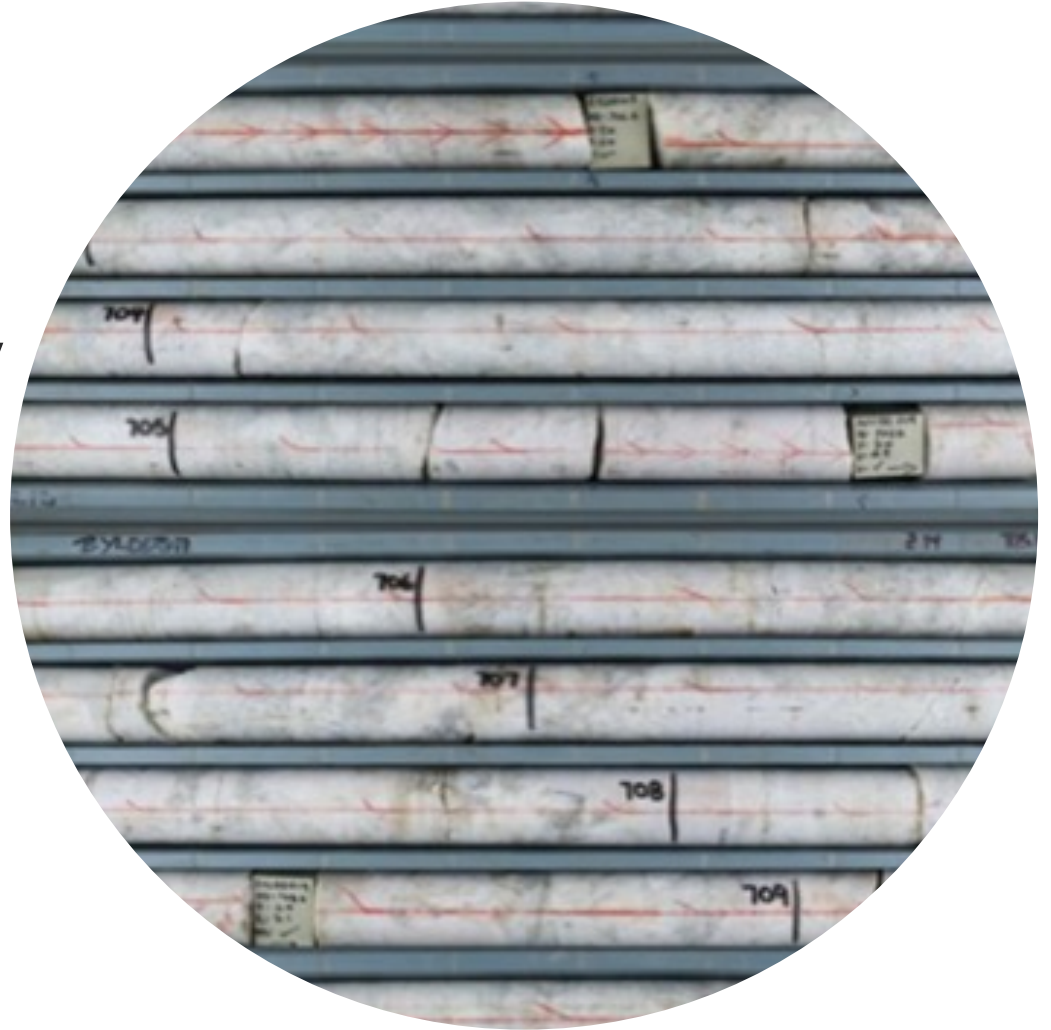
SUMMARY OF ACTIVITY TO END 2023

LEI DISCOVERY	September	October	November	December
Targeting resource definition	+	+		
MRE		+		
Extensional drilling			+	
KINGS LANDING AREA	September	October	November	December
Drilling at Perseverance		+		
Drilling at Jenny's			+	
Drilling at Jeweller's				+

1. Target timeframes are subject to change and may be impacted by wet season or other unforeseen circumstances

# Investment HIGHLIGHTS

- 1+ Premier** project location  
NEXT TO CORE LITHIUM'S FINNISS MINE AND 45KM FROM DARWIN
- 2+ Outstanding** geological prospectivity  
EXCEPTIONALLY LONG MINERALISED PEGMATITE INTERSECTION
- 3+ Aggressive** drilling program  
ON TRACK FOR DECLARATION OF A MAIDEN RESOURCE BY Q4 2023
- 4+ Proven** board and management  
STRONGLY FOCUSED ON EXPLORATION FOR RESOURCE GROWTH
- 5+ Leveraged** to the battery transition  
SET TO CAPITALISE ON THE CONTINUED LITHIUM SUPPLY SHORTAGE





# Appendix

## SUPPLEMENTARY INFORMATION



# Proven board and MANAGEMENT

WITH A STRONG FOCUS ON EXPLORATION AND RESOURCE DEFINITION



**Dr Bin Guo**

EXECUTIVE CHAIRMAN

- Founder and Executive Chairman of Lithium Plus
- PhD in Geophysics with more than 20 years experience in mining and finance
- Wide range of technical and commercial knowledge gained at SRK Consulting, CITIC Securities and Mining One Consultants
- Previously Non-Executive Director of North American Lithium and member of AusIMM, AIG and ASEG



**Mr Simon Kidston**

NON EXECUTIVE DIRECTOR

- Finance professional with more than 25 years' global experience with Macquarie Bank, HSBC and Helmsec Global Capital Limited
- Founding Director of renewable energy company Genex Power
- Previously involved in the establishment of ASX listed mining companies, Endocoal Ltd, Carabella Resources Ltd and Estrella Resources Ltd
- Current Non-Executive Director of Genex Power Ltd and QC Copper and Gold



**Dr Jason Berton**

NON EXECUTIVE DIRECTOR

- Structural geologist with over 20 years mining and exploration experience at Homestake, Barrick, BHP and SRK Consulting
- Current Managing Director of PolarX Limited, and former Managing Director of ASX-listed Estrella Resources
- PhD in Geology and member of AusIMM



**Mr George Su**

NON-EXECUTIVE DIRECTOR

- Over 35 years' business experience in the Asia-Pacific region
- Current CEO and Managing Director of Richlink Australia
- Former country head of Australian operations at CITIC Securities and independent director of Macquarie Bank's China property fund
- Current Independent Director of YPB Group Ltd, an ASX listed technology company



**Dr Bryce Healy**

EXPLORATION MANAGER

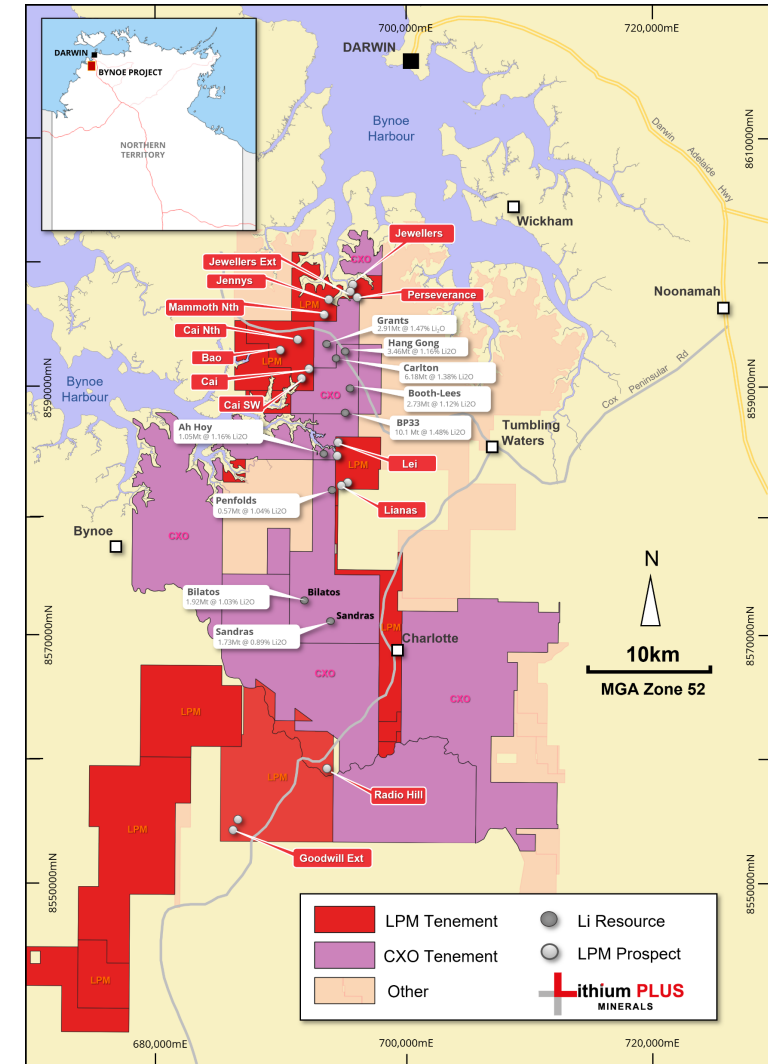
- Experienced Exploration Geologist with a PhD in Geology specialising in granite petrology
- A member of the AIG with over 20 years industry experience in Exploration Management and Technical Director roles, including 13 years of consulting experience with SRK Consulting.
- Currently a director of exploration consultancy Noventum Group and COO of Revolver Resources Ltd

# Premier project LOCATION

NEXT TO CORE'S FINNISS MINE DEVELOPMENT AND 45KM FROM DARWIN

- **Australia is a prolific mining nation**, built on a history of safe, stable mineral extraction
- **Project area strategically positioned 45km from Darwin Port** which is Australia's nearest port to Asia and key gateway for Australasian trade
- Proximity to **Darwin** provides significant **infrastructure availability**, with labour and supply route benefits
- Project is located in a **similar geological setting to Core Lithium's Finnis mine**: recent upgraded Mineral Resource Estimate
  - **30.6Mt @ 1.31% Li<sub>2</sub>O<sup>1</sup>**

1. Refer to Core Lithium ASX release dated 18 April 2023. LPM is not aware of any new information or data that materially affects the information included in these ASX releases, LPM confirms that, to the best of its knowledge, all material assumptions and technical parameters underpinning the estimates in this presentation continue to apply and have not materially changed.



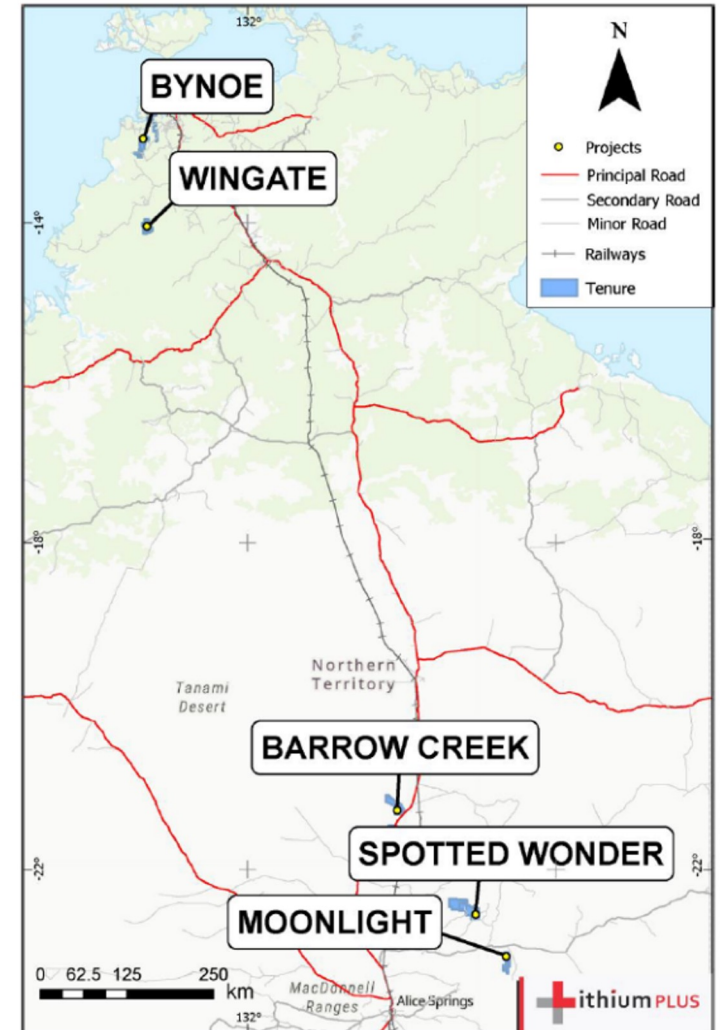


# Outstanding geological PROSPECTIVITY

## HIGH IMPACT AUSTRALIAN LITHIUM EXPLORATION OPTIONALITY

- Flagship BYNOE **PROJECT** adjacent to **Core's deposits** which benefited from a recent upgraded Mineral Resource Estimate
  - **30.6Mt @ 1.31% Li<sub>2</sub>O<sup>1</sup>**
- Total of **19 granted exploration licences** (and additional 3 exploration licences under application), across more than 1,575km<sup>2</sup> of tenure
- Very small proportion of total tenement area field sampled providing **significant opportunity** for follow up soil sampling and potential **lithium bearing pegmatite discoveries**
- **Multiple walk up, drill ready targets** identified providing optionality for future drilling programs

1. Refer to Core Lithium ASX release dated 18 April 2023. LPM is not aware of any new information or data that materially affects the information included in these ASX releases, LPM confirms that, to the best of its knowledge, all material assumptions and technical parameters underpinning the estimates in this presentation continue to apply and have not materially changed.



# Strategic CORNERSTONE INVESTMENT

FROM LEADING BATTERY DEVELOPER AND MANUFACTURER

- Suzhou CATH Energy Technologies (**CATH**) invested at IPO with a **9% equity interest**
- CATH is jointly owned by **Contemporary Amperex Technology Co. Ltd (CATL)** and **Mr Pei Zhenhua**
- CATL is the **world's largest electric vehicle (EV) battery manufacturer**
- Mr Pei is a significant investor in Yibin Tianyi Lithium Industry – **one of China's largest lithium converters**

# CATL

A global leader of new energy innovative technologies, committed to providing premier solutions and services for new energy applications worldwide

TOP  
**EV BATTERY  
MANUFACTURER**  
GLOBALLY<sup>1</sup>

HOLDS 32.5% OF A  
**US\$27 BILLION**  
BATTERY MARKET<sup>1</sup>

GLOBALLY  
**2.35 MILLION**  
EVs IN OPERATION  
WITH CATL BATTERIES

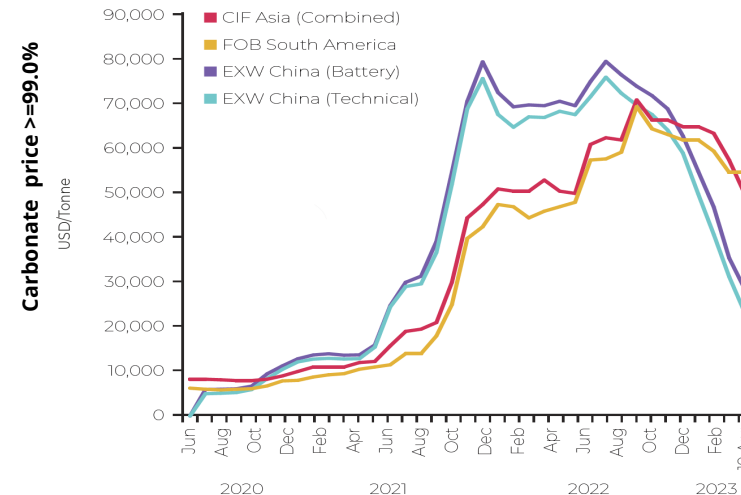
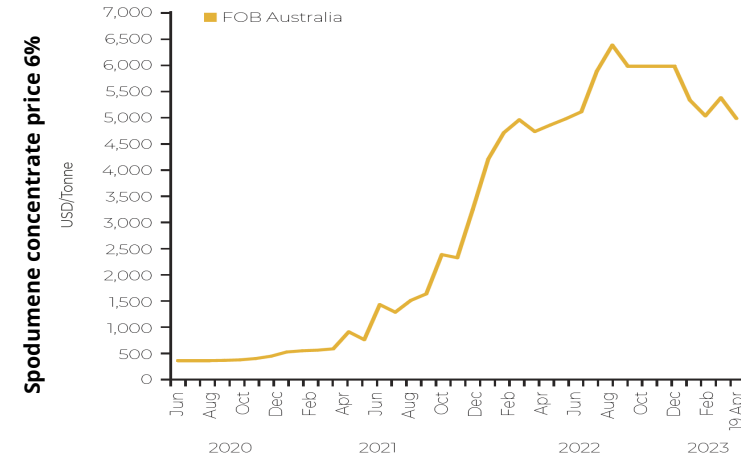
**LITHIUM ION  
BATTERY  
SPECIALISTS**

1. By consumption volume. Adapted from data from SNE Research

# Leveraged to the **BATTERY TRANSITION**

SET TO CAPITALISE ON THE CONTINUED LITHIUM SUPPLY SHORTAGE

- Lithium is an **essential battery cathode material**
- **Lithium-rich spodumene concentrate** is a feedstock material used in the production of lithium chemicals that go into **batteries for Electric Vehicles (EVs)**
- **Supply** of spodumene concentrate remains **structurally constrained** – meaningful lithium supply response dependant on uptake of low grade, CO<sub>2</sub> intensive Chinese lepidolite production
- Lithium Plus is ideally placed to take advantage of **strong long term market fundamentals for spodumene concentrate**



Source: 'Battery Metals Watch: The end of the beginning (2022)' – Goldman Sachs

Source: Benchmark Mineral Intelligence



# BYLDD019 HOLE SUMMARY

EXCEPTIONAL 127m MINERALISED PEGMATITE INTERSECTION AT LEI

Hole ID	Collar co-ordinates GDA94 MGA Zone 52			Survey data			Pegmatite intercepts			
	Easting	Northing	RL (m)	Azi (°)	Dip (°)	Depth (m)	From	To	Interval (m)	Spodumene modal abundance (%)
BYLDD019	693863	8590907	24	319	-63	756.5	609.1	610.0	0.9	1-5%
							610.0	629.7	19.7	10-20%
							634.5	635.0	0.5	0-5%
							635.0	650.0	15.0	10-25%
							653.3	733.6	80.3	15-30%

The information in this announcement in respect of hole BYDD0019 is based solely on a visual inspection of the core samples. The assay and analysis of the core samples are pending. In relation to the disclosure of visual intersections of pegmatite, the Company cautions that visual intersections of pegmatite should never be considered a proxy or substitute for laboratory analysis. Laboratory assay results are required to confirm the widths and grade of visual intersections of pegmatite reported in the preliminary geological logging. The Company will update the market when laboratory analytical results become available, which is currently expected to be early October 2023 in respect of BYDD019.

# Contact DETAILS

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