



LITHIUMPOWER  
INTERNATIONAL LTD

# Chile's Next Sustainable Lithium Producer

*Imagining Tomorrow*

ASX: LPI

June 2022



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## Competent Person's Statement

The information contained in this presentation relating to Mineral Resources has been compiled by Mr Murray Brooker. Mr Brooker is a Geologist and Hydrogeologist and is a Member of the Australian Institute of Geoscientists and has sufficient relevant experience 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. He is also a "Qualified Person" as defined by Canadian Securities Administrators' National Instrument 43-101. Murray Brooker consents to the inclusion in this announcement of this information in the form and context in which it appears. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement. 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 announcement.

## Reference to Resource Estimate

The reader is referred to the announcement by LPI on the 21 January 2019, which provided details of the updated Maricunga reserve estimate and resource update in accordance with Appendix 5A (JORC Code). The reader is also referred to the Definitive Feasibility Study which was announcement by LPI on 22 January 2019.

## Cautionary note regarding reserves and resources

You should be aware that as an Australian company with securities listed on the ASX, the Company is required to report reserves and resources in Australia in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ("JORC Code"). You should note that while the Company's reserve and resource estimates may comply with the JORC Code, they may not comply with the relevant guidelines in other countries and, in particular, do not comply with Industry Guide 7, which governs disclosures of mineral reserves in registration statements filed with the U.S. Securities and Exchange Commission. The JORC Code differs in several significant respects from Industry Guide 7. In particular, Industry Guide 7 does not recognise classifications other than proven and probable reserves and, as a result, the SEC generally does not permit mining companies to disclose their mineral resources in SEC filings. Information contained in this presentation describing the Company's mineral deposits may not be comparable to similar information made public by U.S. companies subject to the reporting and disclosure requirements of United States securities laws. You should not assume that quantities reported as "resources" will be converted to reserves under the JORC Code or any other reporting regime or that the Company will be able to legally and economically extract them.

# LPI at a glance

BRINE - South America



  
**LITHIUMPOWER**  
INTERNATIONAL LTD

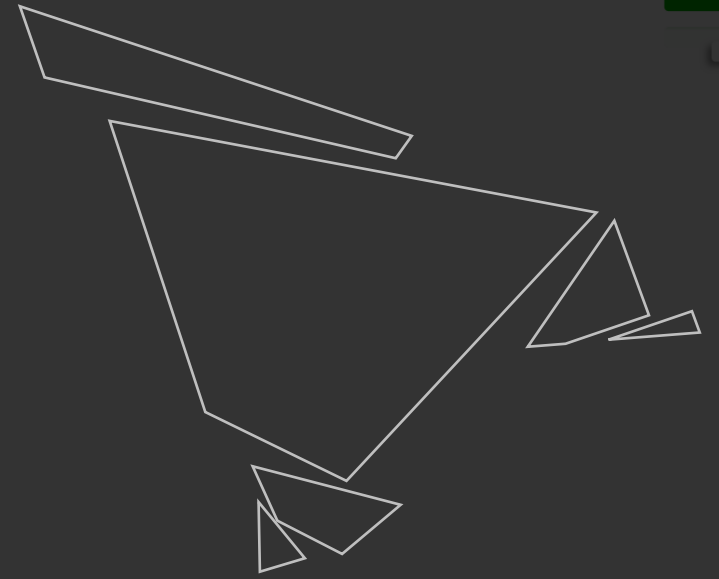
A Diversified  
Lithium Company

HARD ROCK - Australia

**WESTERN AUSTRALIA**  
Tabba Tabb, Pilgangoora  
100% owned

**WESTERN AUSTRALIA**  
Greenbushes  
100% owned



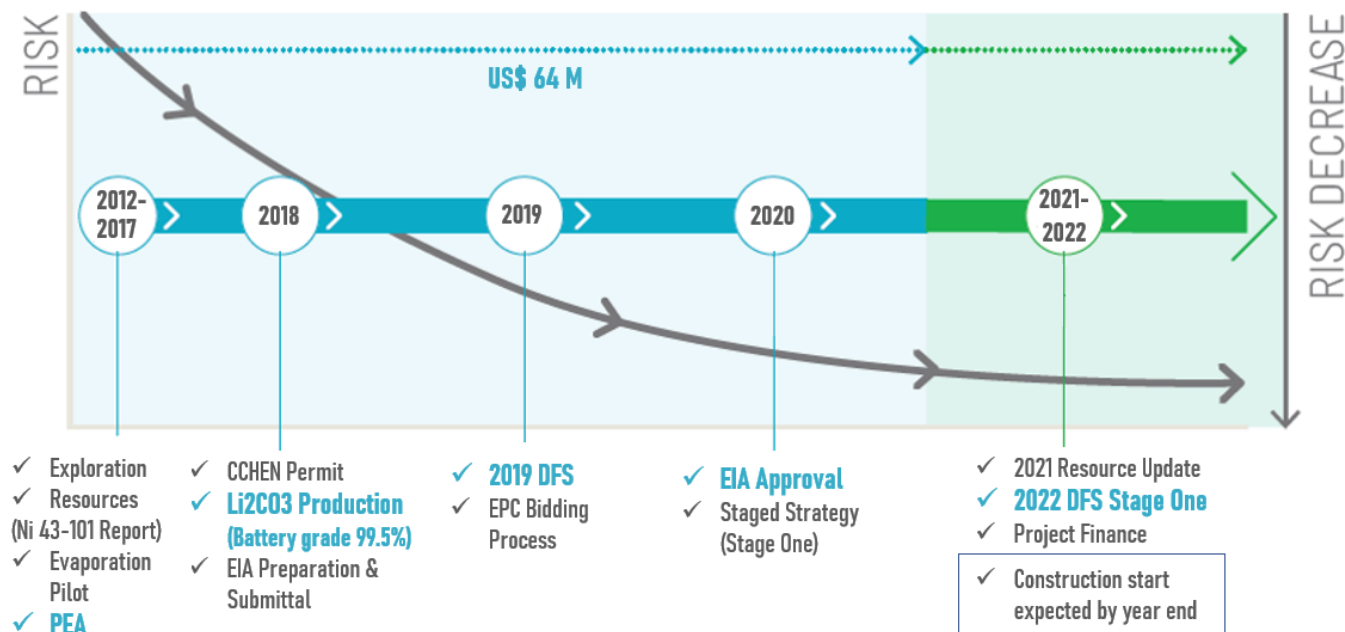


# MARICUNGA, CHILE

A sustainable de-risked major lithium development supporting the energy transition



# De-Risking the World's next Lithium Producer



## Outstanding Economics

Production <sup>1</sup>	Development Cost		IRR
<b>15,200 t/a LCE</b> over 20 years.	<b>US\$ 626M</b> Direct development costs of US\$419M, indirect costs of US\$145M and contingency costs of US\$62M.		<b>44.5%<sup>2</sup></b> (50% leverage)
Operating Cost	NPV	100% equity	50/50 debt/equity
<b>US\$ 3,718/t</b>	<b>Pre-tax</b>	<b>US\$1.97B</b>	<b>US\$1.98B</b>
	<b>After-tax</b>	<b>US\$1.41B</b>	<b>US\$1.42B</b>
	<b>Payback</b>		<b>2 years</b> based on <b>2-year</b> ramp-up

<sup>1</sup> The battery grade lithium carbonate price expected to range from US\$13,263/tonne in 2023 to US\$17,616/tonne in 2032 in inflation adjusted terms.

<sup>2</sup> After-tax IRR 39.6% assuming a 50% leverage. On a 100% Equity Basis, the pre-tax IRR of 33.4%, after-tax IRR of 29.3%.

## Sustainable Lithium

- ✓ Exceptional ESG Profile; setting a new standard for the relationship with Indigenous Communities
- ✓ Low CO2 emissions – use of renewable solar energy
- ✓ High purity battery grade lithium carbonate
- ✓ Low water usage (50% recovery)

## Project Financing



### Strategic alliance with Mitsui

- ✓ Offtake and funding rights
- ✓ New developments and DLE technology testing
- ✓ Expression of interests received for funding from traditional and private institutions (Germany, Canada, US) ~ 50%-70% of total Capex.





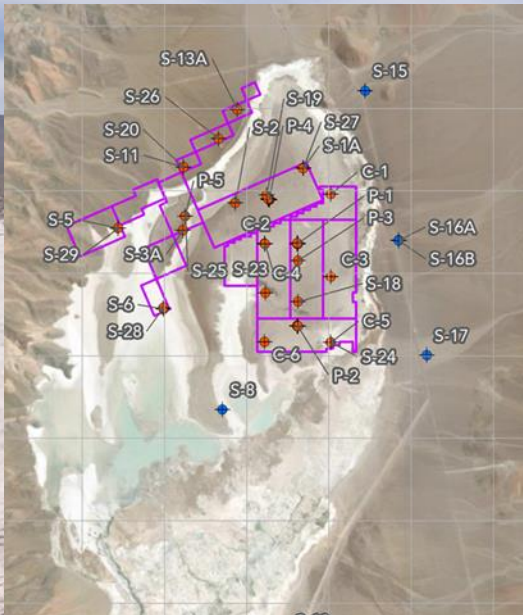
# Mineral Resources (NI 43-101 and JORC)

Measured  
1.3 Mt LCE

Indicated  
1.7 Mt LCE

Total  
3 Mt LCE

Geological Resource 1.2 – 2.1 Mt LCE



# Maricunga: Unrivalled project quality



## Sustainability & Innovation in design

- Green producer reflected in the design
- 50% of the water is produced by the project
  - Used of renewable solar energy.



## Fully Permitted

High technical environment standards reflected on the environmental approval received by the Chilean authorities in February 2020



## Tier-1 companies

The project have been developed with Tier-1 companies like GEA, Worley, Stantec, Metso-Outotec, among others.



## Excellent Local & Indigenous Relationships

New standard for the relationship with Indigenous Communities and other Stakeholders set on Maricunga development.



## High quality lithium carbonate

First high purity and high-quality battery grade  $\text{Li}_2\text{CO}_3$  sample (99.5% purity) produced in 2018, using Maricunga's brine from the Pilot Evaporation Ponds



## Mitsui: Strategic Alliance

- Offtake and funding rights
- New developments and DLE technology testing



## Resources & Reserves international standards

Resources and Reserves under NI 43-101 and JORC standards. Exploration down to 400 meters depth.



## Supply

- Water supply secured and port and logistics assessment have been completed.
- MOU with a mining company for the use of existing electricity infrastructure.
- Existing international highway.



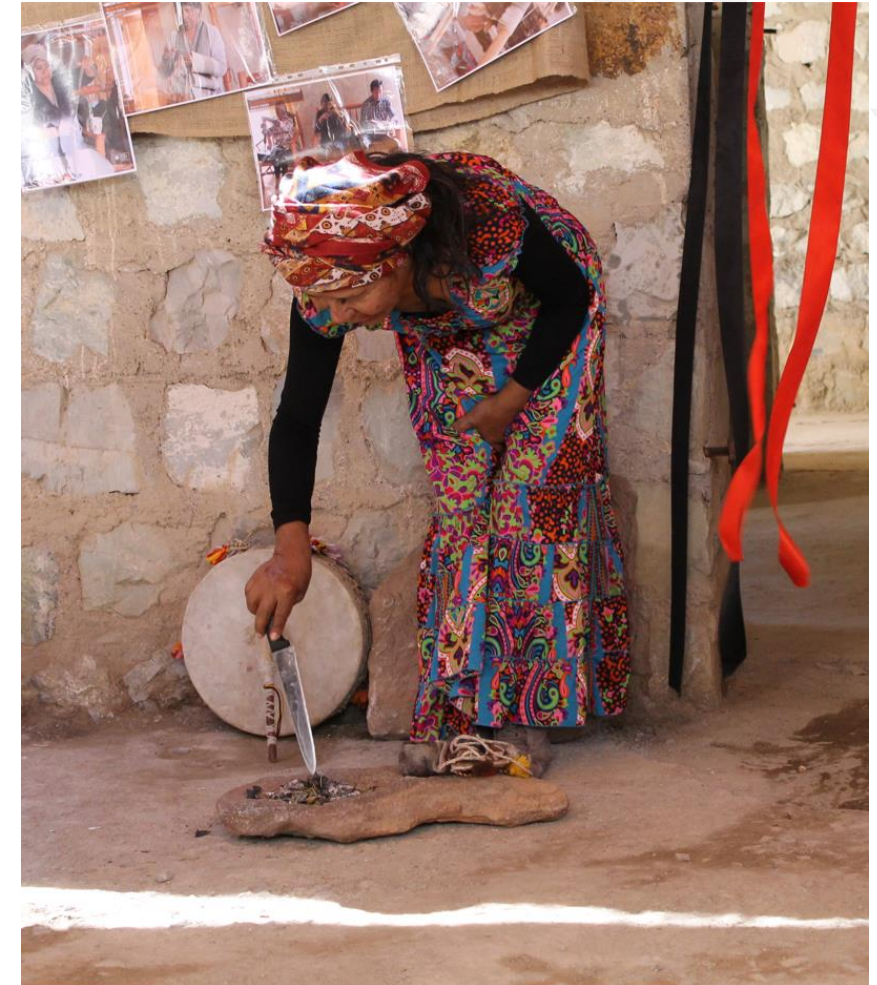
## Expansion potential, Staged Strategy

Lower risk on Stage One and expansion potential.

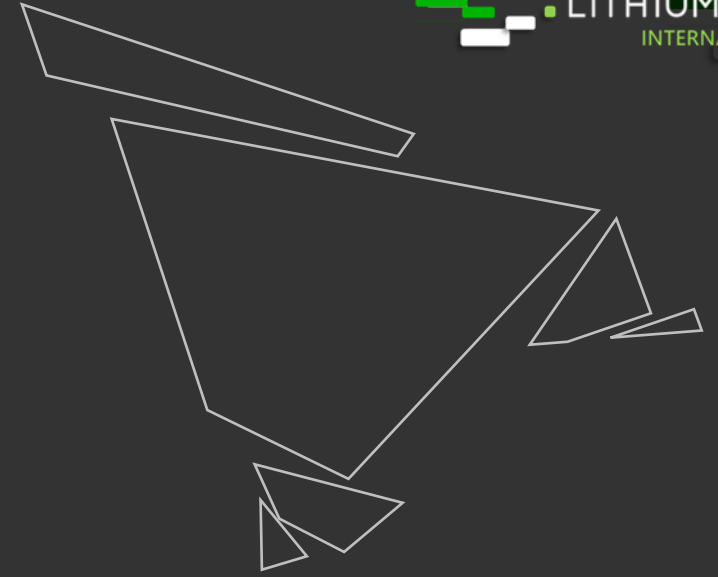


# Set new standard for the relationship with Stakeholder

- **Indigenous communities** have been in the centre of the MSB Project development from the beginning. The principles for **respect, transparency and participation** have generated strong relationships between the company and the communities.
- MSB have completed a comprehensive **Indigenous Consultation** under the **169 ILO international treaty** that protects indigenous rights.
- MSB considers it appropriate to **share part of the future benefits** throughout the mine life of the project **with the communities**.







# WESTERN AUSTRALIA

Greenbushes and Pilbara Projects – Hard Rock  
Lithium Development

# Western Australia

- ✓ LPI to spin-out its Western Australian Greenbushes and Pilgangoora lithium assets into a new listed vehicle. (ASX Announcement January 12, 2022).
- ✓ These interests are held by a wholly owned subsidiary of LPI, which will seek to list on the ASX as Western Lithium Limited subject to ASX, ASIC, ATO and shareholder approval.
- ✓ Additional projects are currently being added to the WA portfolio, which will approximately double the land holdings in WA, providing an attractive base for the IPO for Western Lithium by year end.

## Greenbushes Project

- The northern Greenbushes tenement, **Balingup**, covers 290 km<sup>2</sup> directly adjacent to the Greenbushes mine block owned by Talison.
- The tenement has an **approved program of works** and an **environmental management plan** for activities in State Forest areas.

## Pilbara Projects

- 20 km strike of **highly prospective greenstone** units north-west of FMG's drilling at Tabba Tabba.
- This area contains some of the **highest lithium rockchip (495 ppm Li<sub>2</sub>O)** and **soil sampling values (515 ppm Li<sub>2</sub>O)** within the tenement.
- A program of work for drilling in the southern area of Tabba Tabba was **approved Q1 2021**.
- All tracks and pads constructed for this drilling program have been **rehabilitated** with drilling suspended due to COVID-19 restrictions.





# Corporate Snapshot



ASX CODE: LPI



Share Price: \$0.41



Market cap: \$150.13M



Shares on issue:  
349,144,848



Cash position:  
\$10,601,000



- ✓ LPI to consolidate a 100% ownership of the Maricunga brine Project, by way three-party all-scrip merger with its JV Partners. (ASX Announcements June 22, 2022)
- ✓ LPI holding 100% ownership of the Project will simplify decision-making and provides the optimal structure to oversee the rapid development of Maricunga.
- ✓ Consideration will be paid in LPI shares thereby allowing the shareholders of the JV Partners to retain exposure to the NPV US\$ 1.4b Project.

LPI Chart





# Appendix





# Lithium Power Board



**Mr David R  
Hannon**

Chairman



**Mr Cristobal  
Garcia-Huidobro**

CEO & MD, Chile



**Mr Martin  
Borda**

Non-Executive Director,  
Chile



**Mr Russell  
Barwick**

Non-Executive Director



**Mr Richard A  
Crookes**

Executive Director -  
Corporate Finance



**Mr Andrew G  
Phillips**

Executive Director, CFO  
& Company Secretary

## Technical Committee

Mr. Andres Lafuente - Chief Operating Officer

Mr. Tarek Halasa - Chief Development Officer

Mr. Frederick Reidel - QP under TSX NI 43-101

Mr. Peter Ehren - QP under TSX NI 43-101

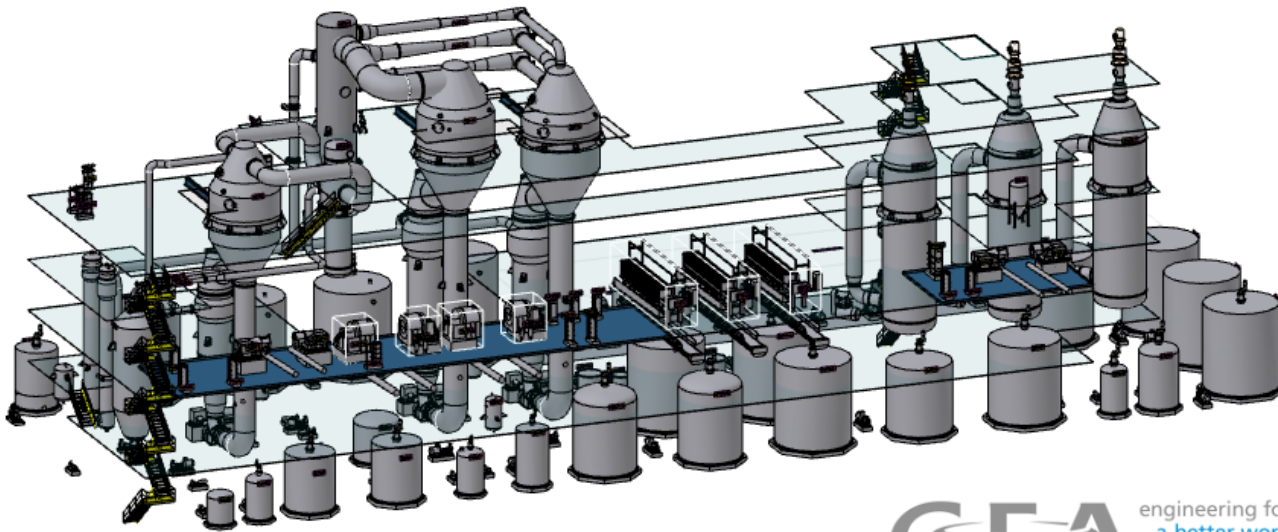
Mr. Carlos Espinoza – Hydrological Consultant

Mr. Hugo Barrientos – Engineering Consultant

Mr. Murray Brooker - QP/CP under TSX NI 43-101/ JORC

# Innovation in design: Forced Evaporation

- The Forced Evaporation process consists of a concentration by physical processes where salts are precipitated using temperature changes and a series of evaporators and crystallizers. This technology is widely used in other industries and have been proven by LPI for the last 4 years.



**GEA** engineering for  
a better world

- **Area reduction** of evaporation ponds by 25%
- **Shortens the concentration time** in 6 to 12 months
- **Increases the efficiency** by 10%
- **Recovering of more than 50% of water** needed by water recirculation and a self-producing through condensation
- High-quality **Battery Grade Lithium Carbonate**.