



# New World Metals Presentation

8 September 2022

Developing minerals to provide the planet  
with **environmentally sustainable products**

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# EV not a Concept Electrification is Happening Now



Fifth Avenue New York

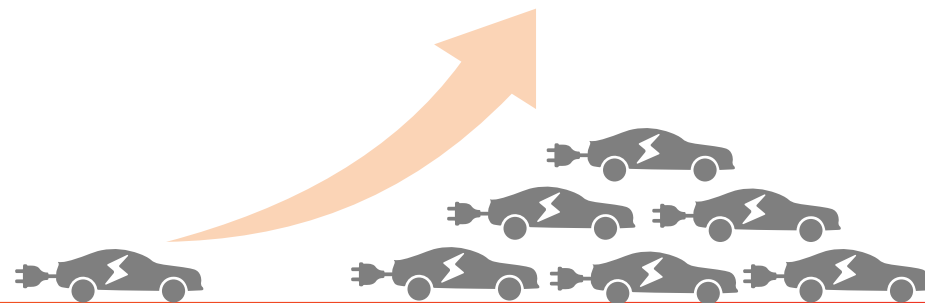


1900

1913

American car ownership by household went from  
**8% to 80% in one decade**

EV adoption forecasts are  
rapidly approaching reality



Global sales of EVs as % of new cars sold

2021

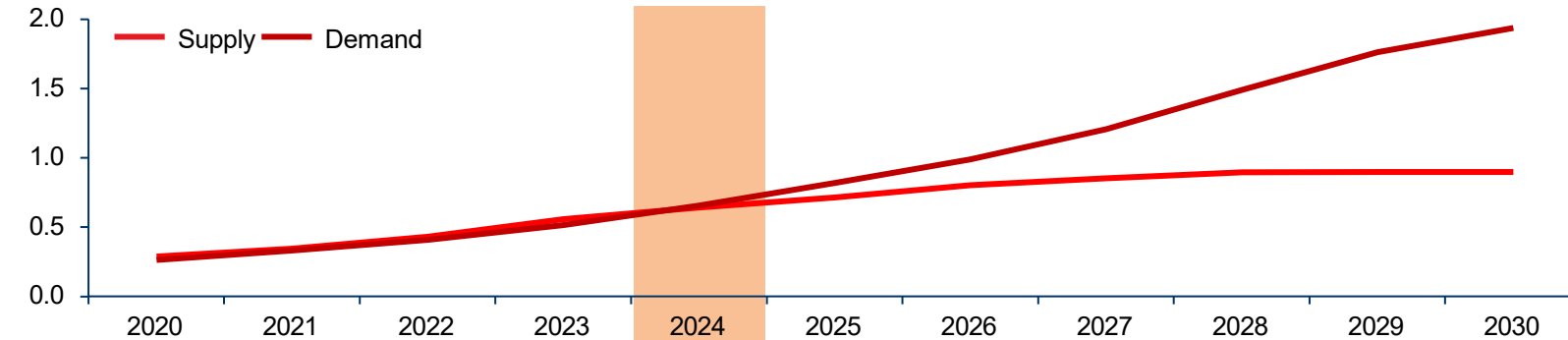
2030

2%

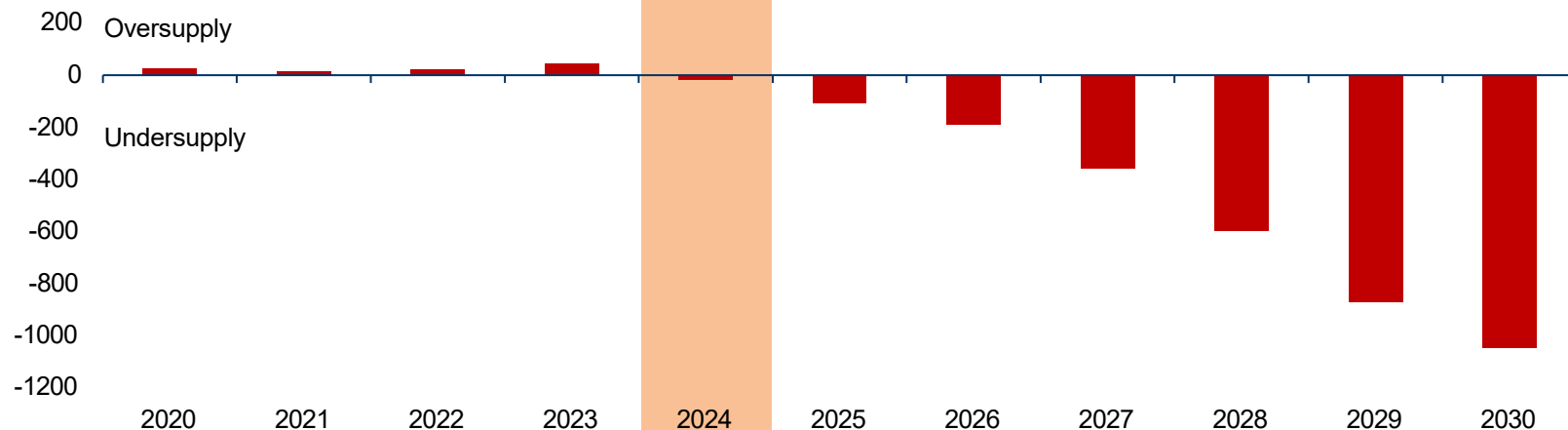
57%

# Lithium Market Deficit

**Global lithium market balance (battery grade)<sup>1</sup>, 2020-30, Mt LCE**   Accelerated KV production commencement



**Supply/demand balance, 2020-30, Mt LCE**



**>1 Mt**  
LCE Shortfall in Supply by 2030

EVs and battery storage account for c50% mineral demand growth in clean technologies over the next 2 decades

The IEA SDS (Sustainable Development Scenario, where current Net Zero goals are met), has mineral demand by weight in 2040 dominated by graphite, copper and nickel

***Lithium sees the fastest growth rate, with demand growing by over 40 times in the SDS***

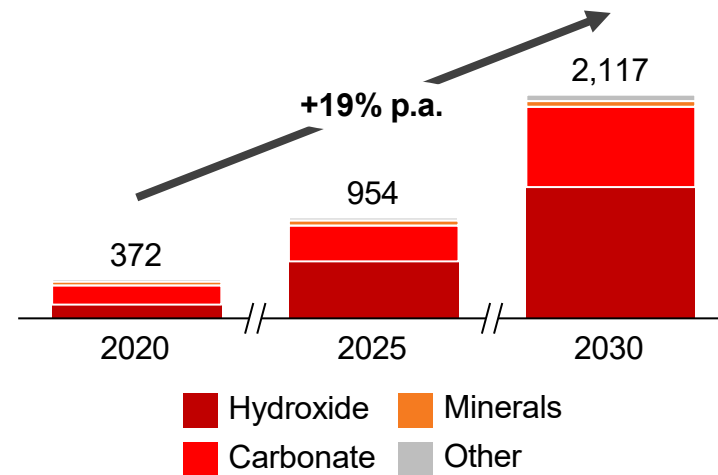
IEA - The Role of Critical World Energy Outlook Special Report Minerals in Clean Energy Transitions- March 2022

# Spodumene to Lithium Hydroxide Advantage

## Hydroxide needs spodumene

**25%** forecast CAGR for lithium hydroxide emerging as preferred product for cathodes

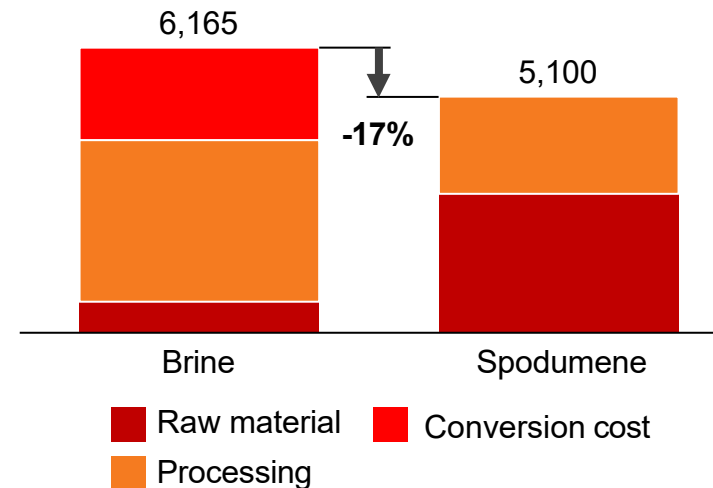
Global lithium demand<sup>2</sup>, kt LCE



## Brine vs Spodumene

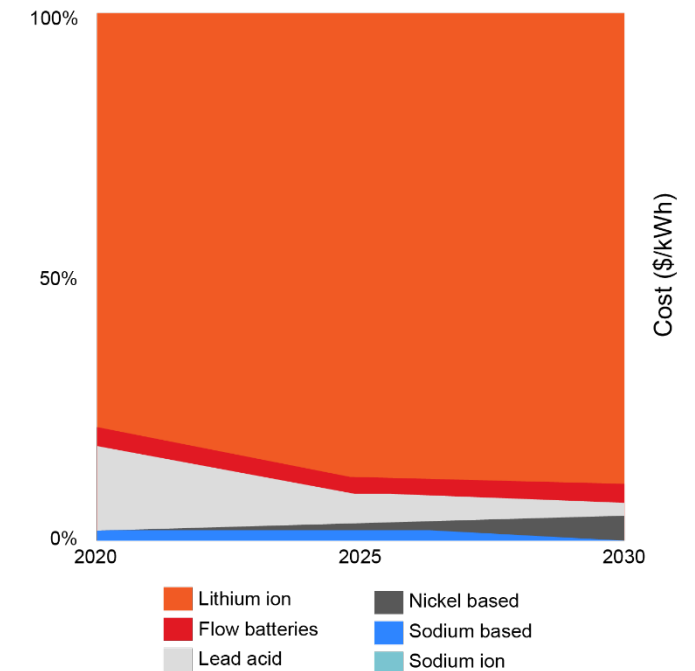
**17%** cost advantage when producing  $\text{Li}_2\text{O}$  from spodumene source

Cost of lithium hydroxide production<sup>1</sup>, US\$ LCE



## Lithium Iron Phosphate (LFP) batteries will be chemistry of choice

The emerging chemistries





## Lithium and Copper Projects South America



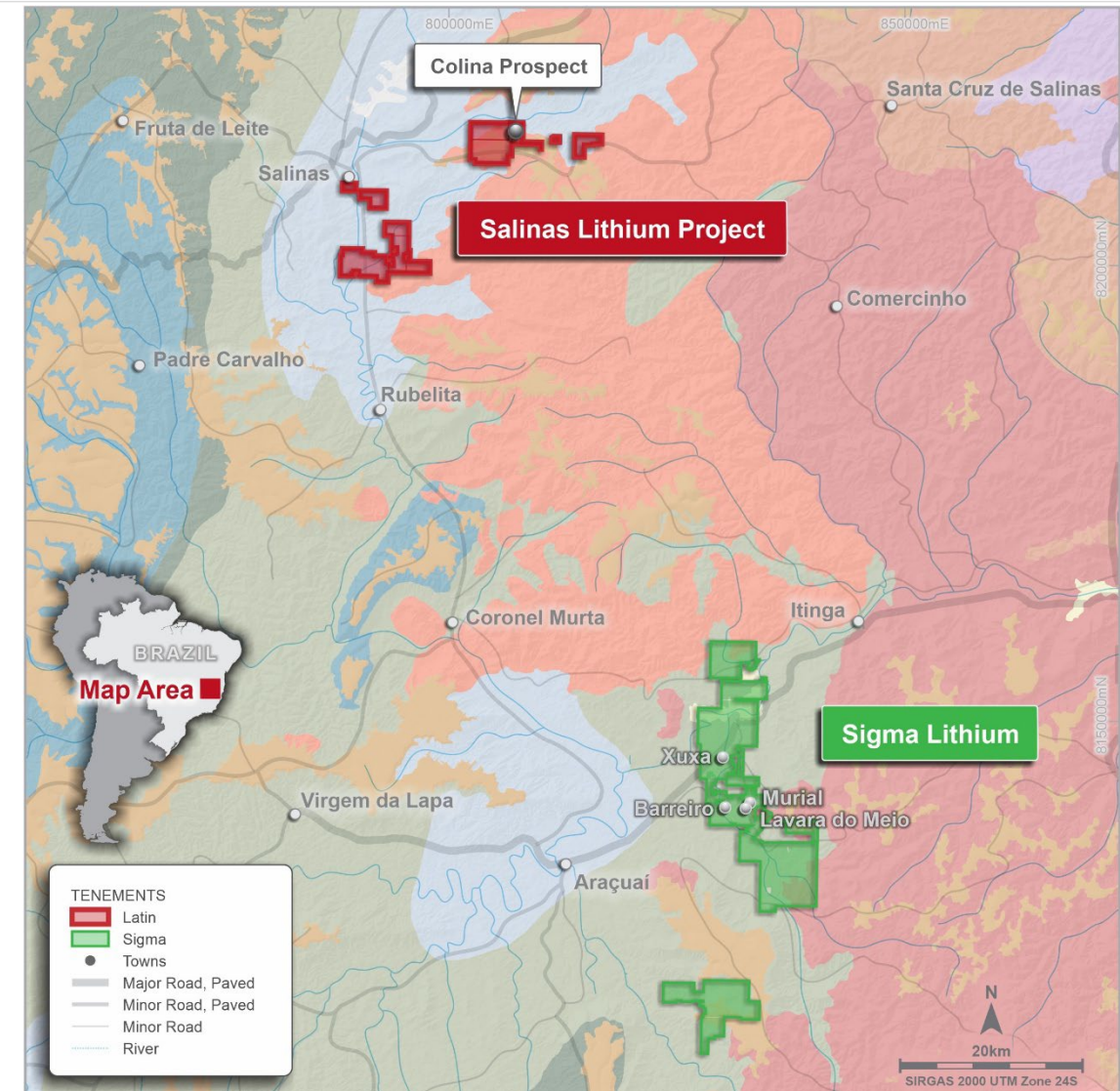
# Lithium in Brazil

## Opportunity and Lithium Potential in Minas Gerais District

- ▶ Brazil is the 8<sup>th</sup> largest global economy
- ▶ Latin America's largest pro-mining jurisdiction
- ▶ Over 65% of Brazil's electricity comes from **Hydro Power**
- ▶ **Sigma Lithium Resources** is the most active lithium explorer in the region with a world-class lithium resource base\* of **85.7Mt @ 1.43% Li<sub>2</sub>O** and a **\$3 billion market cap**
- ▶ **Sigma** has potential to be amongst the **lowest-cost producers of lithium concentrate globally**

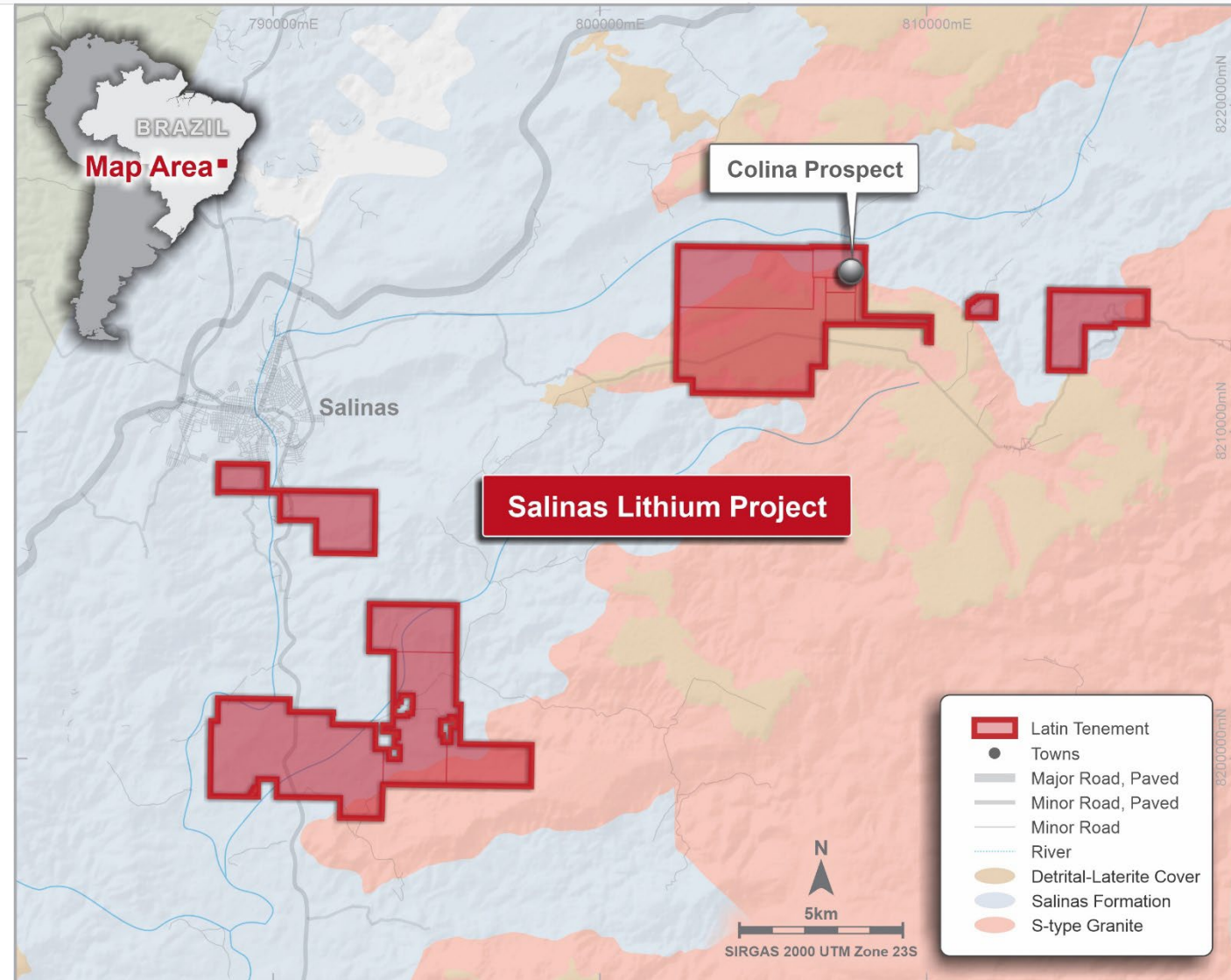
The Company notes that details of neighbouring projects to the Company's projects are set out for information purposes only and is not an indication of the prospectivity of the geology of the Company's projects.

- Refer to Sigma Lithium TSX announcement dated 22 June 2022
- Refer to Sigma Lithium TSX announcement dated 12 July 2022
- Refer to Sigma Lithium TSX announcement dated 11 April 2022, updated Feasibility Study



# Salinas Lithium Project

- ▶ **Latin Resources 100% owned subsidiary Belo Lithium holds over 6,341 hectares** in the premier spodumene district of **Minas Gerais**
- ▶ **JORC Resource Definition drilling** is underway at the Colina Prospect
- ▶ Latin holds **multiple exploration targets** including the Salinas South tenement area which has outcropping pegmatites containing spodumene over a strike of 4km
- ▶ **Maiden JORC Mineral Resource Estimate** targeted for end of 2022
- ▶ **PEA** planned for completion **March 2023**
- ▶ **DFS** planned for completion by **December 2023**

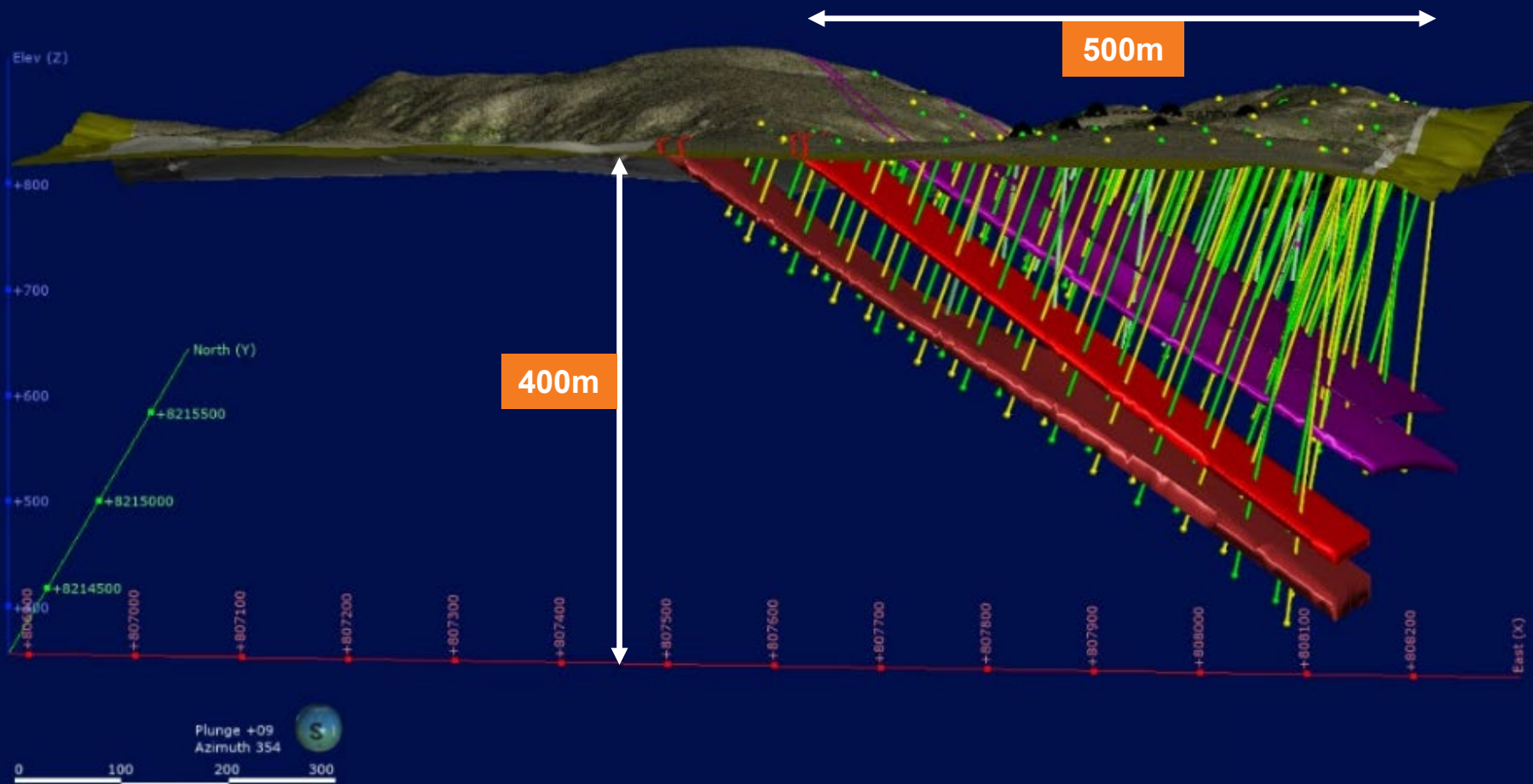




# Colina Prospect Resource Definition Drilling

## Colina West Prospect

## Colina Prospect



- ▶ 25,000m Resource Definition Drilling campaign underway
- ▶ 8,500m drilled to date

### Selected significant intersections:

#### SADD004:

17.38m @ 1.46%  $\text{Li}_2\text{O}$  from 119.80m  
2.00m @ 3.07%  $\text{Li}_2\text{O}$  from 127.00m

#### SADD006:

21.1m @ 1.20%  $\text{Li}_2\text{O}$  from 208.80m  
3.00m @ 2.28%  $\text{Li}_2\text{O}$  from 214.90m

#### SADD0017:

8.87m @ 1.09%  $\text{Li}_2\text{O}$  from 137.00m  
13.86m @ 1.33%  $\text{Li}_2\text{O}$  from 173.29m

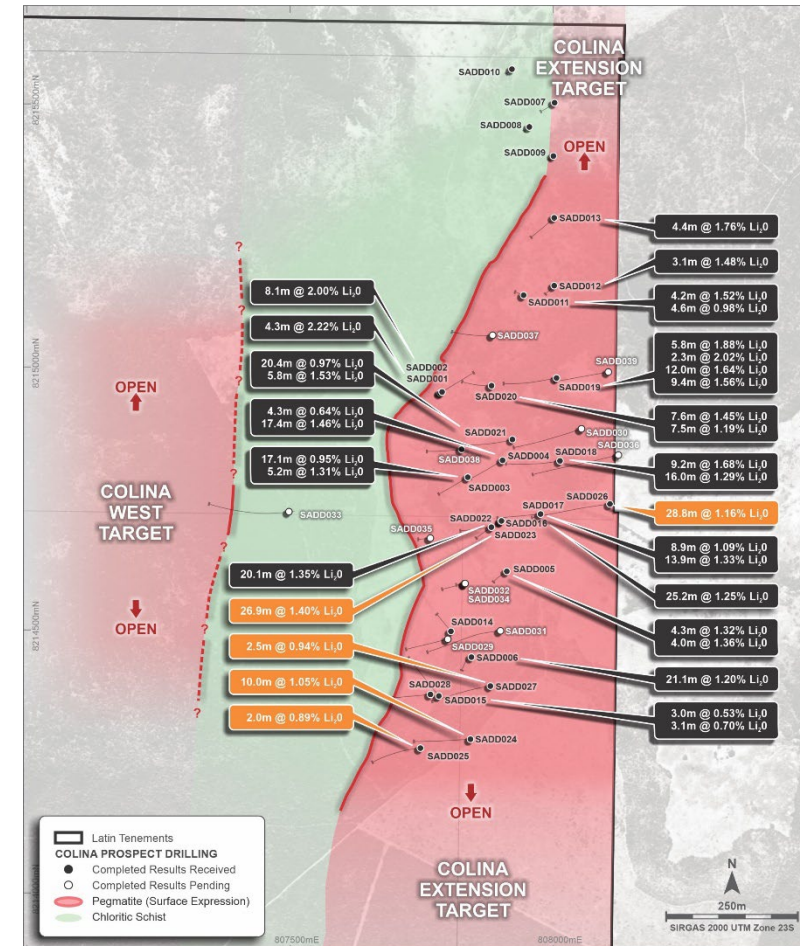
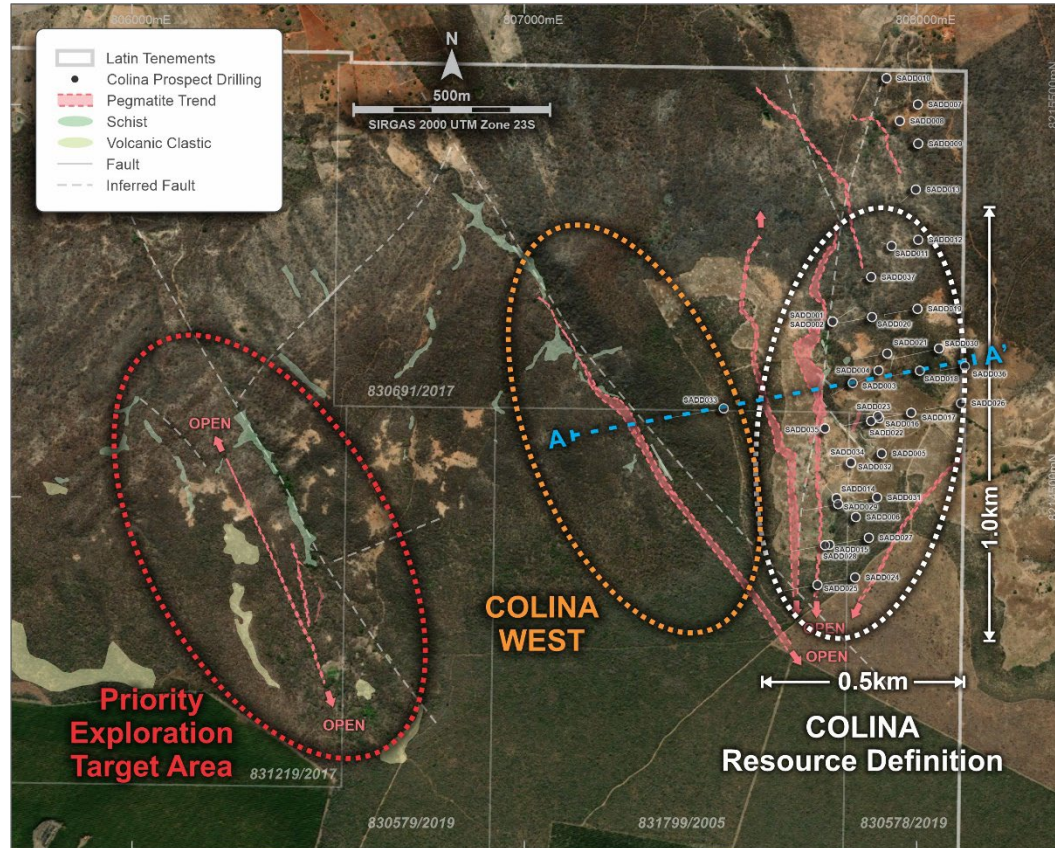
#### SADD019:

11.96m @ 1.64%  $\text{Li}_2\text{O}$  from 206.24m

#### SADD0020:

2.35m @ 3.57%  $\text{Li}_2\text{O}$  from 120.33m

# Colina Prospect Significant Scale Implications

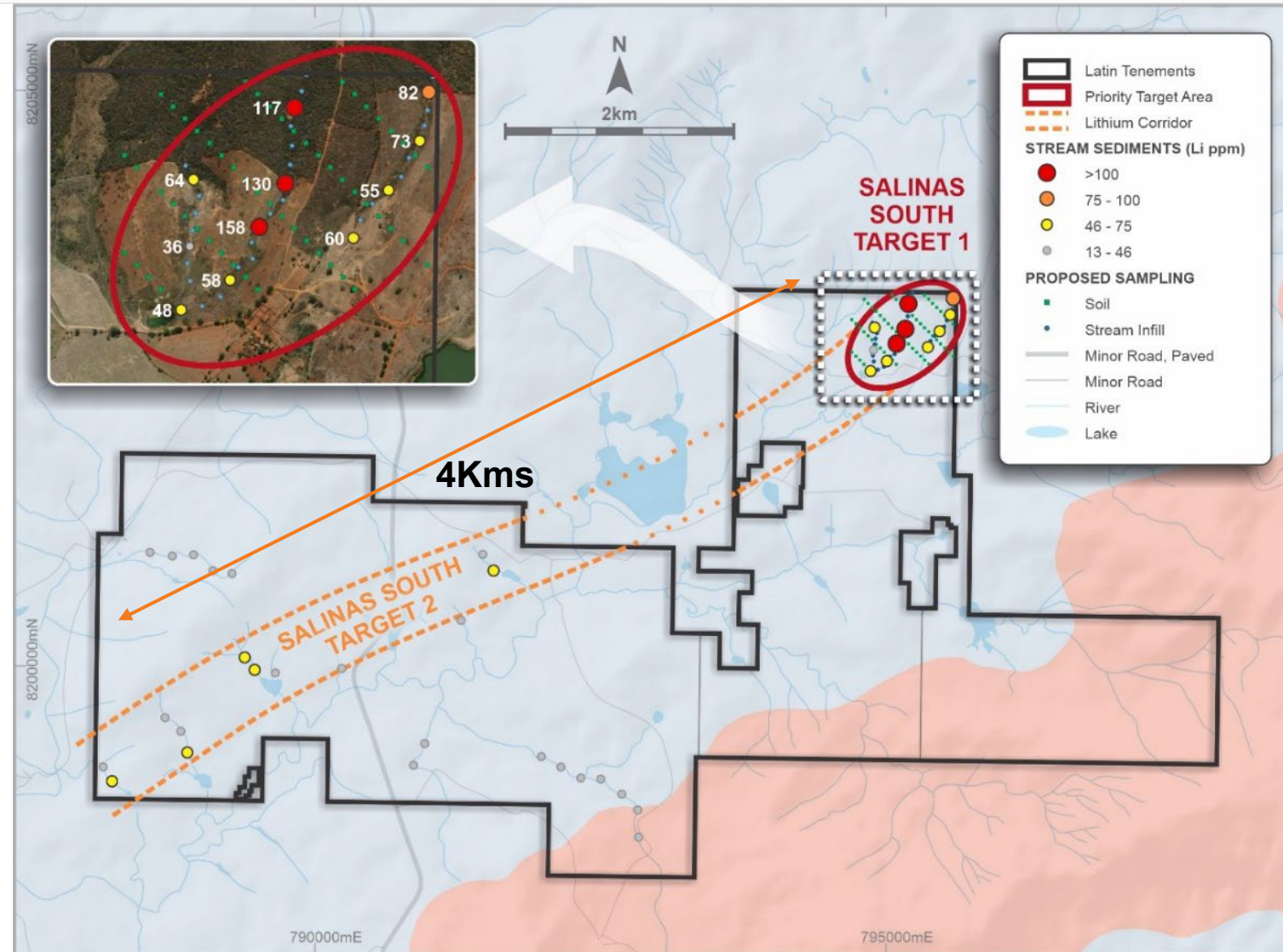


- ▶ Additional lithium spodumene discoveries to the west of the Colina Prospect
- ▶ Potential parallel mineralised pegmatite systems have significant scale implications for the Salinas Lithium Project



# Salinas South Lithium Corridor

- ▶ Latin has identified outcropping pegmatites containing spodumene over a strike of 4km.
- ▶ Regional reconnaissance stream sediment sampling of the Salinas South Project to the southwest has highlighted an anomalous lithium corridor extending across the Project.
- ▶ Further drilling of 5000 metres planned along strike after Salinas South completed.
- ▶ Additional tenure acquisitions have increased landholding to 4,088 hectares.



# Positive Preliminary Metallurgical Testwork Results

## 78.72% Recovery to 6.57% Li<sub>2</sub>O Concentrate

Extremely positive first pass sighter metallurgical test work results on the Colina lithium pegmatite sample with:

- ▶ High recovery of **78.72% of Li<sub>2</sub>O**
- ▶ Production of an extremely high-grade Li<sub>2</sub>O concentrate (up to **6.57%**) from simple Heavy Liquid Separation (HLS)

**Potential for high-quality concentrate with less complex and lower cost processing, due to high recovery rates at a relatively coarse crush**

- ▶ High Li<sub>2</sub>O recovery rates from simple HLS, may reduce initial project capital requirements, and ongoing operational processing costs
- ▶ Sample provided was only @ 1.25% Li<sub>2</sub>O
- ▶ Test work is ongoing as part of the PEA



*Refer to ASX announcement dated 24 August 2022*



# Catamarca NW Alto / North Ancasti Over 70,000 Hectares



## North West Alto

New Exploration Q3 2022

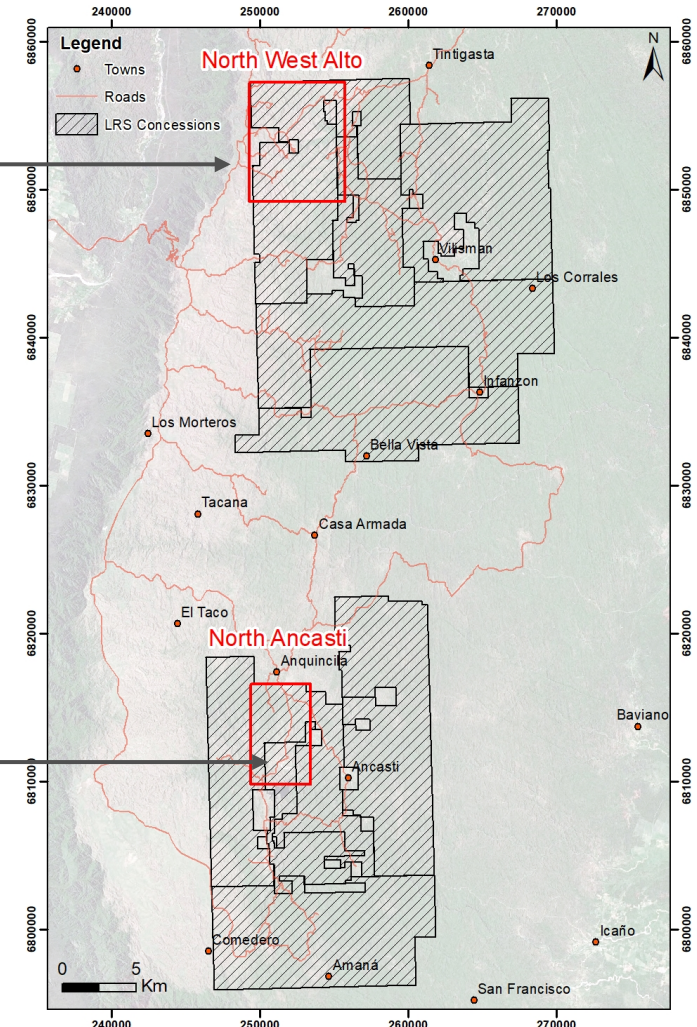
## Villisman Project

Previous drilling intercepts include\*:

- ▶ 3m @ 2.98% Li<sub>2</sub>O
- ▶ 5.2m @ 1.62% Li<sub>2</sub>O
- ▶ 6m @ 2.40% Li<sub>2</sub>O
- ▶ 7m @ 2.17% Li<sub>2</sub>O

## Ancasti Project

North Ancasti

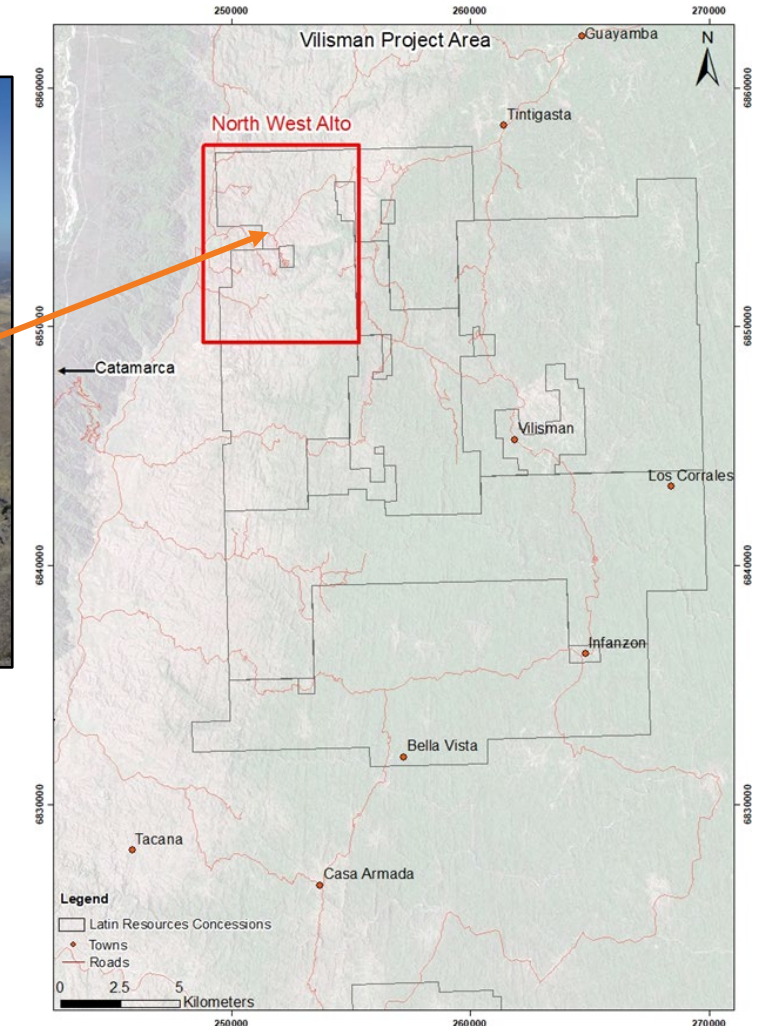




# Catamarca NW Alto New Exploration Work 2022

## North West Alto

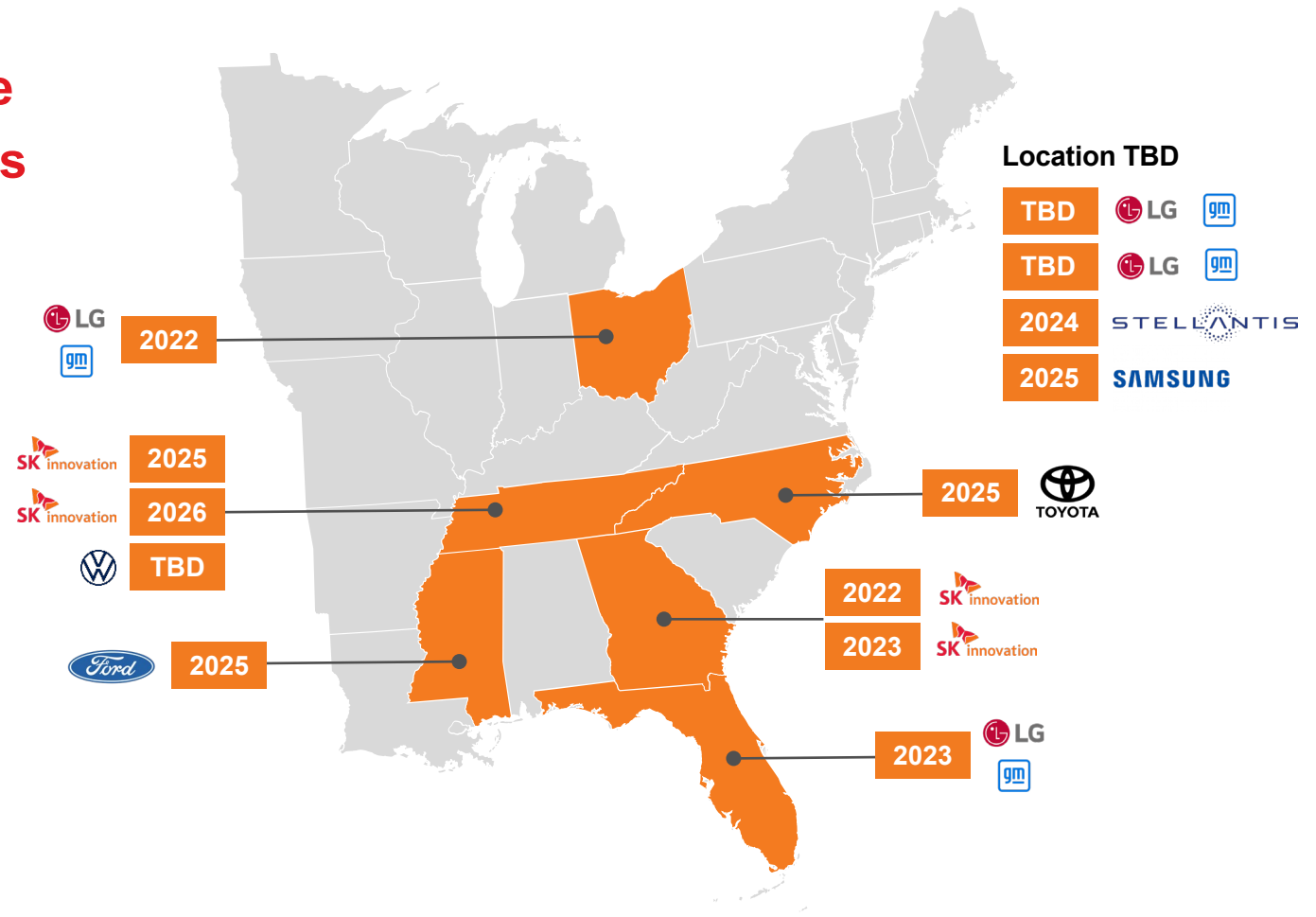
- ▶ Highly prospective for lithium bearing pegmatites of considerable size
- ▶ External zones exposed to geologists for mapping – therefore methods of fractionation interpretation are employed
- ▶ Rock chipping and soil sampling continues over the region
- ▶ Recently identified lithium of 1.219%  $\text{Li}_2\text{O}$  in the only exposed mine of the area
- ▶ Encouraged by the presence of lithium in the NW Alto system
- ▶ Further work being conducted to identify drill targets



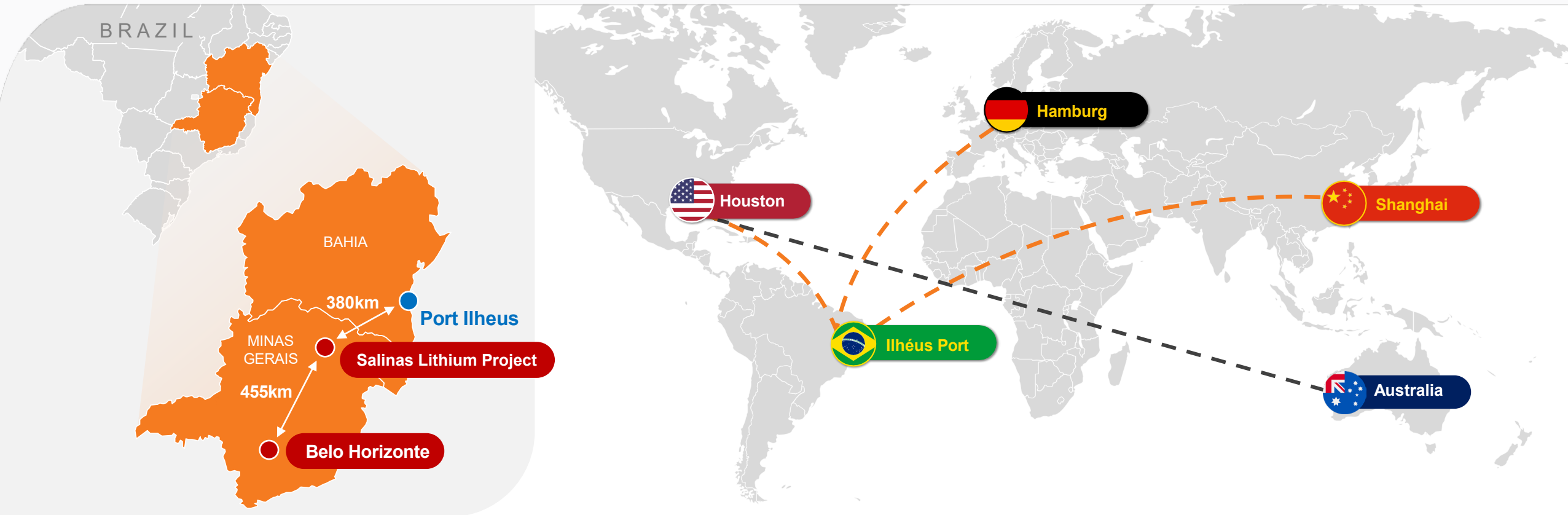
# The Rise of Gigafactories **Brazil Advantage**

## 13 additional Gigafactories will become operational in the US in the next 5 years

- ▶ New US climate bill<sup>^</sup> will incentivise expanding renewable energy and include EV tax credits\*
- ▶ Requires EV production meets stringent sourcing constraints, including supply from US or countries with free trade agreement (including Brazil)
- ▶ Latin is in discussions with car and battery manufacturers

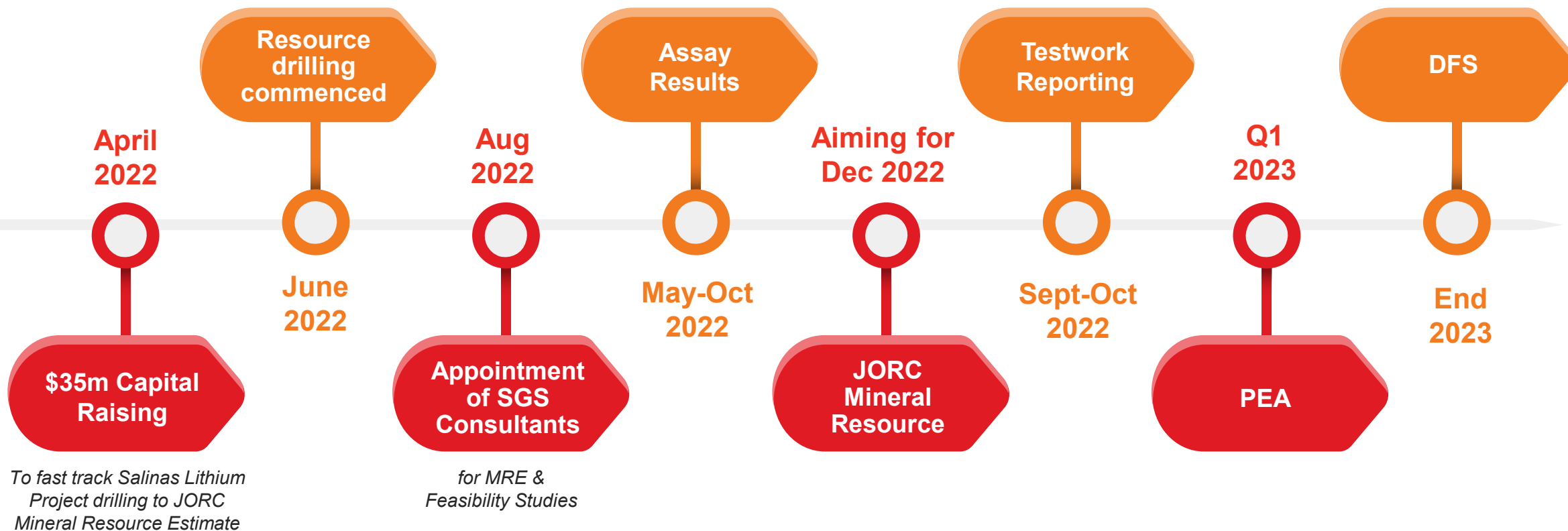


# Advantageous Location



- ▶ Located in one of the world's largest mining provinces with existing infrastructure including roads and port access
- ▶ Brazil is a very short distance to the USA. Atlantic port access brings the advantage of faster delivery, reduced shipping costs and lower carbon footprint
- ▶ Brazil offers an alternative source of supply compared to the majority of current supply of spodumene coming from Australia

# Salinas Lithium Project News Flow



# Corporate Overview

**LRS**

ASX Code

**XL5**

FRA Code

**\$33.5m**

Cash\*

**\$214m**

Market Cap

(Share price \$0.11 23/08/2022)

**\$33m**

Average Daily Volume

(August 2022)

**1,945m**

Shares on Issue

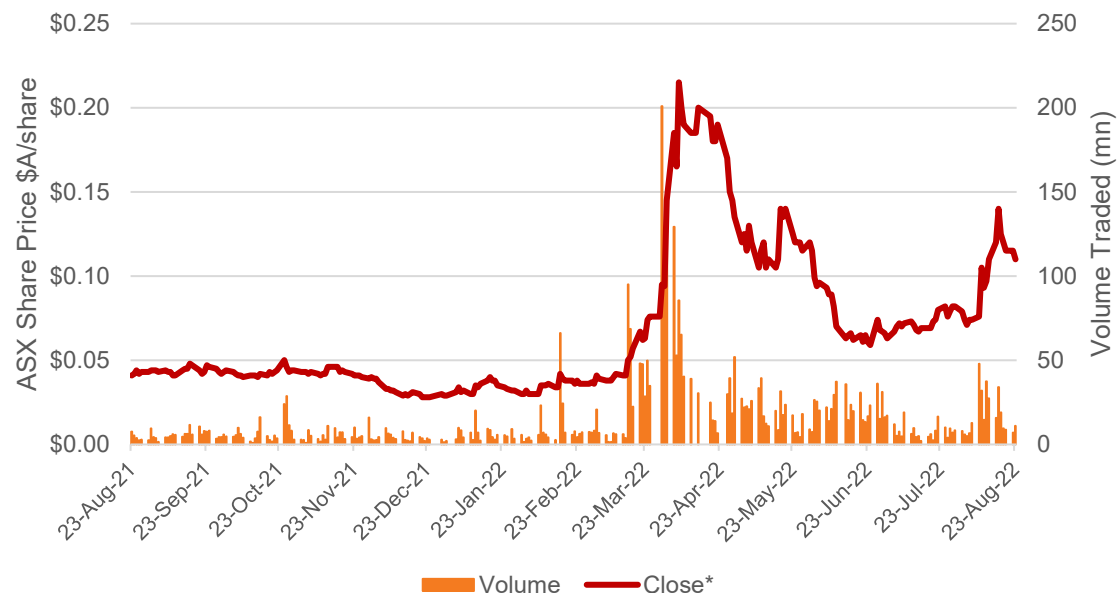
**232m**

Listed Options

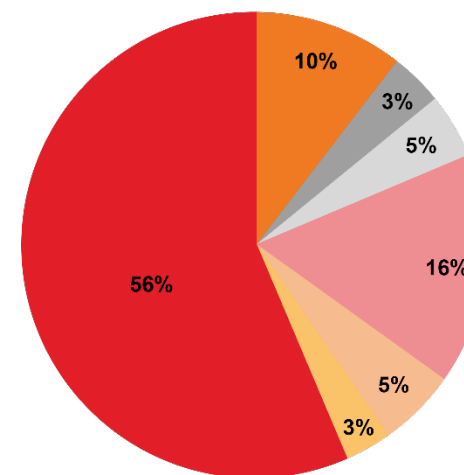
(\$0.012 expiry) December 2022

**\$180m**

Enterprise Value



## Major Shareholders







## Contact Us

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### **Competent Person Statement**

The information in this report that relates to Geological Data and Exploration Results is based on information compiled by Mr Anthony Greenaway, who is a Member of the Australian Institute of Mining and Metallurgy. Mr Greenaway 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'. Mr Greenaway consents to the inclusion in this report of the matters based on his information, and information presented to him, in the form and context in which it appears.

All information relating to exploration results has been previously released to the market and is appropriately referenced in this document.