



Perth - Lithium Update Seminar November 2022

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

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EV not a Concept Electrification is Happening Now

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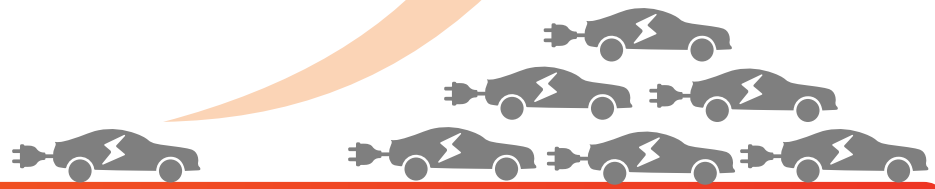
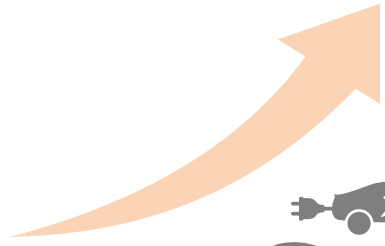
Fifth Avenue New York

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

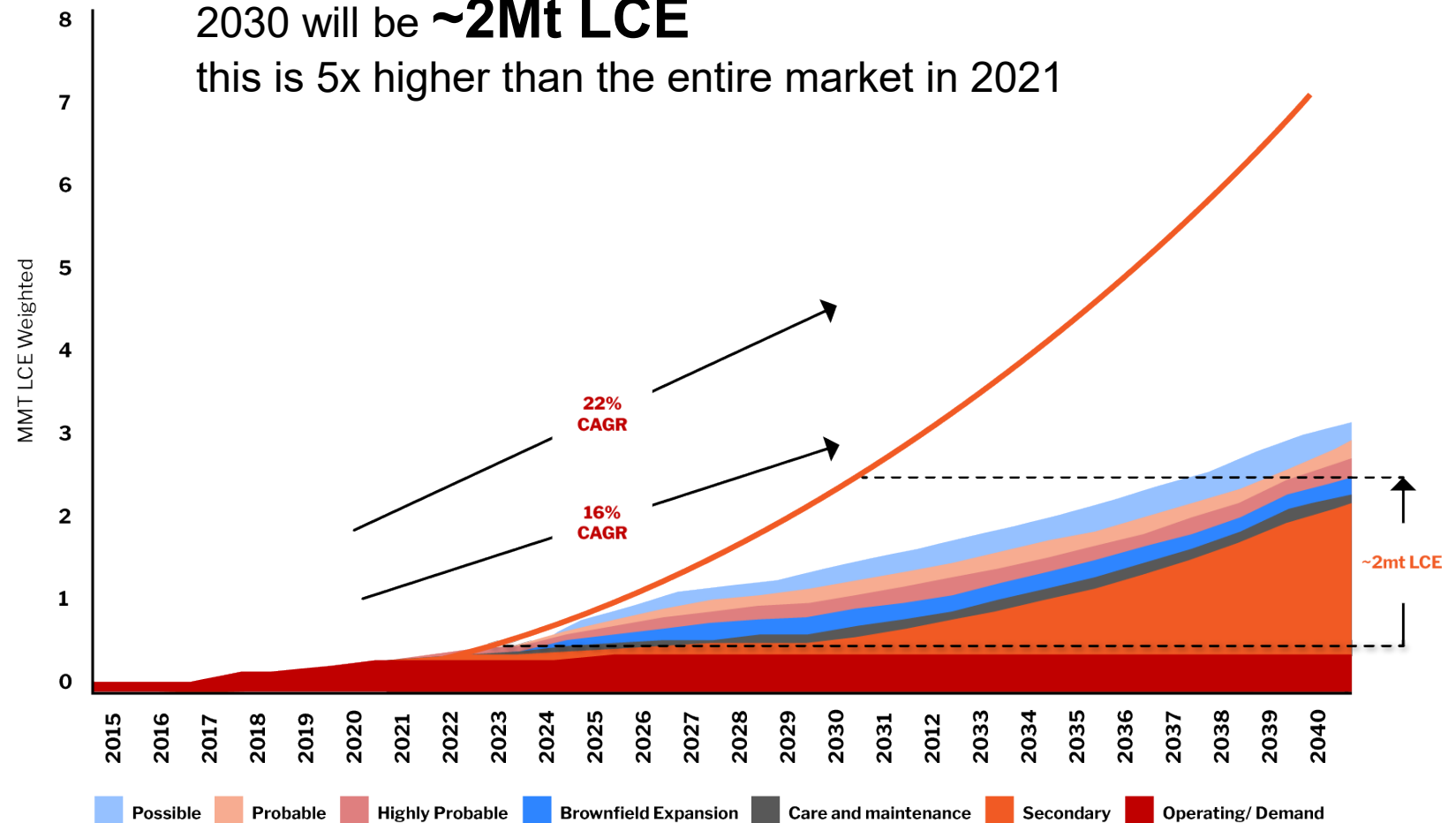
EVs and battery storage account for c50% mineral demand growth in clean technologies over the next 2 decades

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

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

The gap between operating mines and demand in 2030 will be **~2Mt LCE**
this is 5x higher than the entire market in 2021





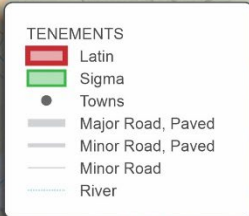
LATIN
RESOURCES

Lithium and Copper Projects South America

Opportunity and Lithium Potential in Minas Gerais District

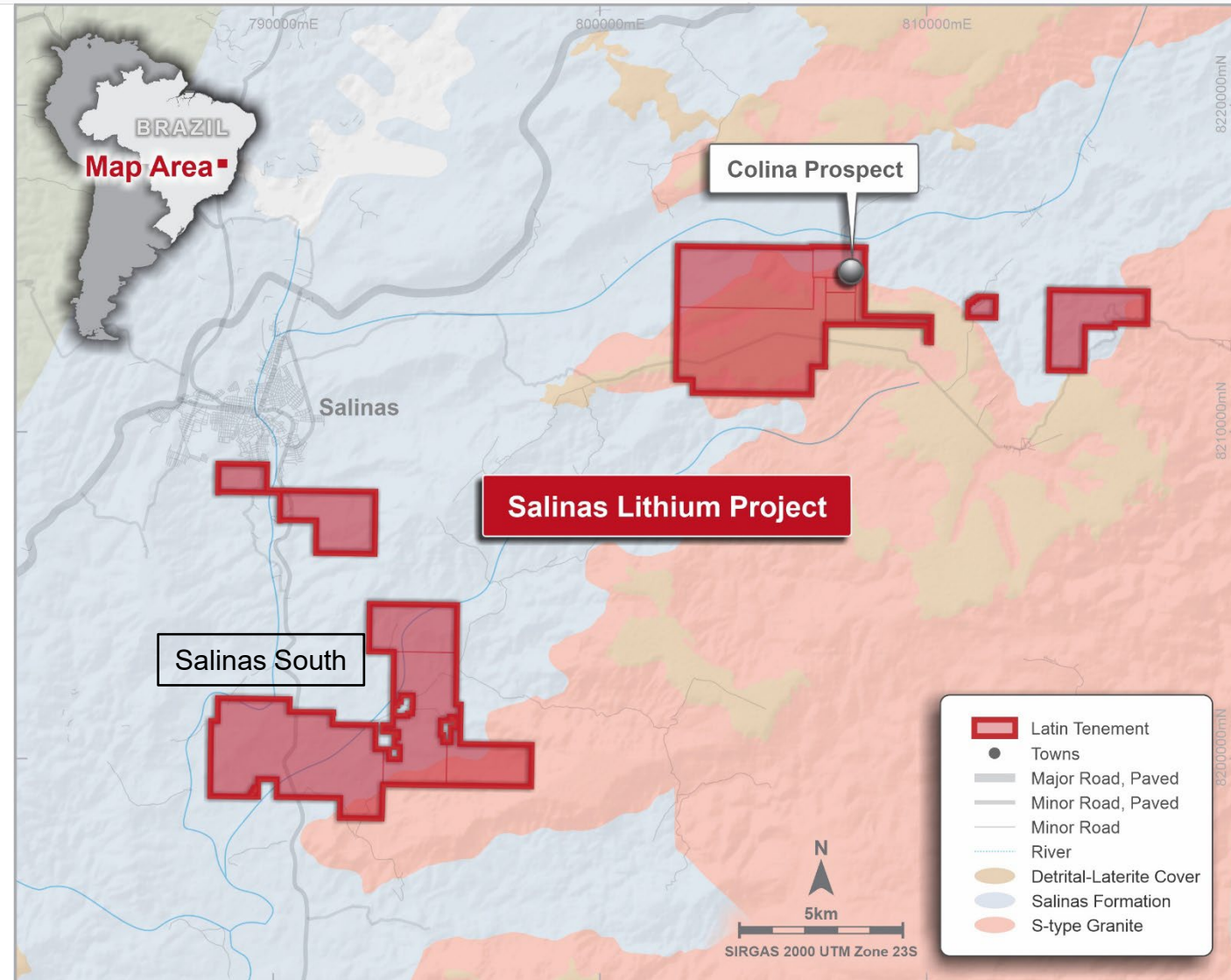
- ▶ **Brazil is the 8th largest global economy**
- ▶ **Latin America's largest pro-mining jurisdiction**
- ▶ **Over 65%** of Brazil's electricity comes from **Hydro Power**
- ▶ **Sigma Lithium Resources** is the most active lithium explorer in the region with a world-class lithium resource base* of **85.7Mt @ 1.43% Li₂O and a \$4.5 billion market cap**
- ▶ **SGS** recently completed the **Sigma Lithium** DFS (NPV8% of US\$5.1 Billion)*

- 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



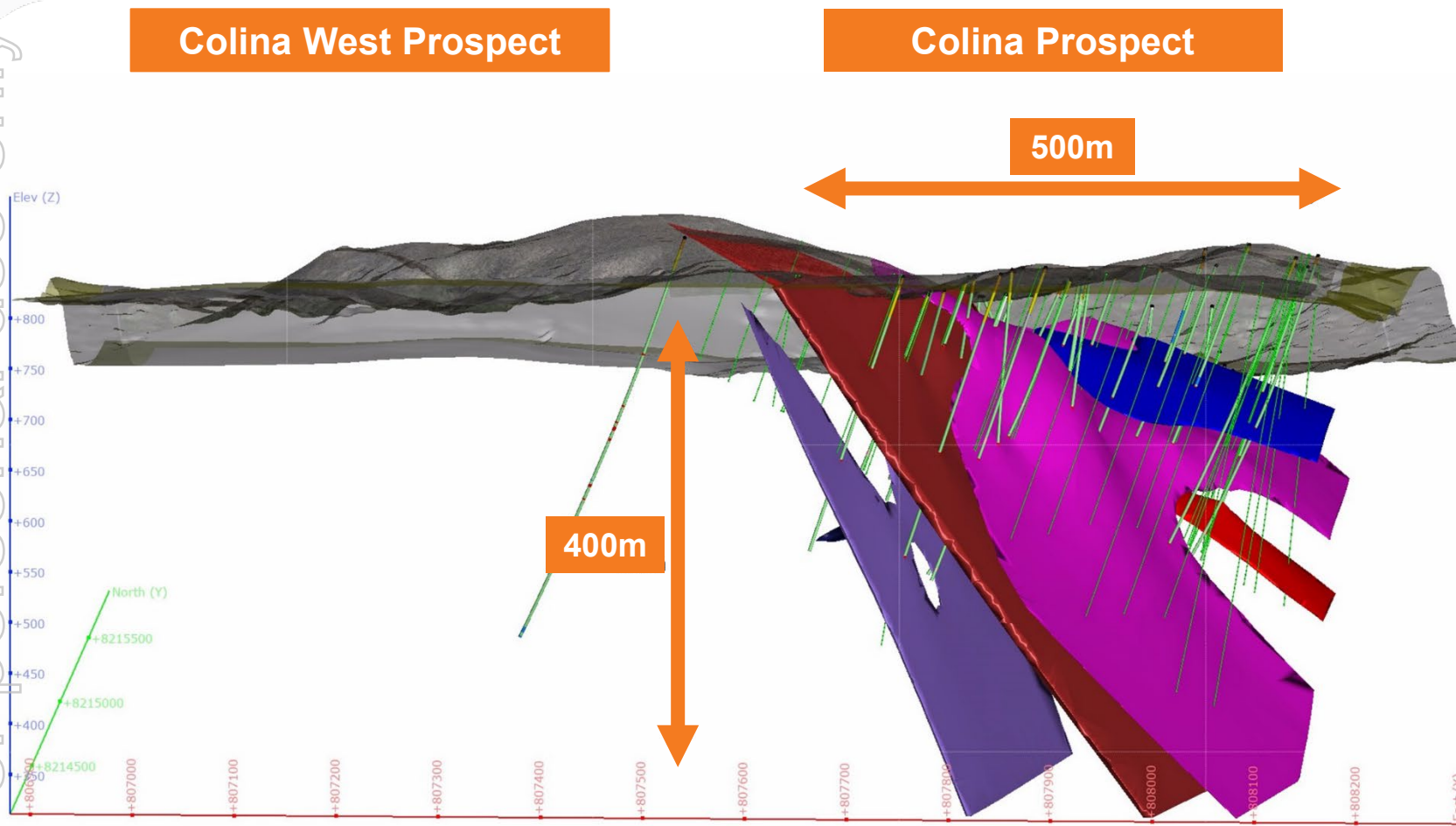
Salinas Lithium Project

- ▶ **Latin Resources 100% owned subsidiary Belo Lithium holds over 6,341 hectares** in the premier spodumene district of **Minas Gerais**
- ▶ Latin holds **multiple exploration targets** including the Salinas South tenement area which has outcropping pegmatites containing spodumene over a strike of 4km
- ▶ Latin has appointed **SGS Canada** to carry out **JORC MRE and PEA study**
- ▶ **JORC Resource Definition drilling** is now underway at the Colina Prospect
- ▶ **Maiden JORC Mineral Resource Estimate** targeted for **December , 2022**



JORC MRE December Resource Definition Drilling

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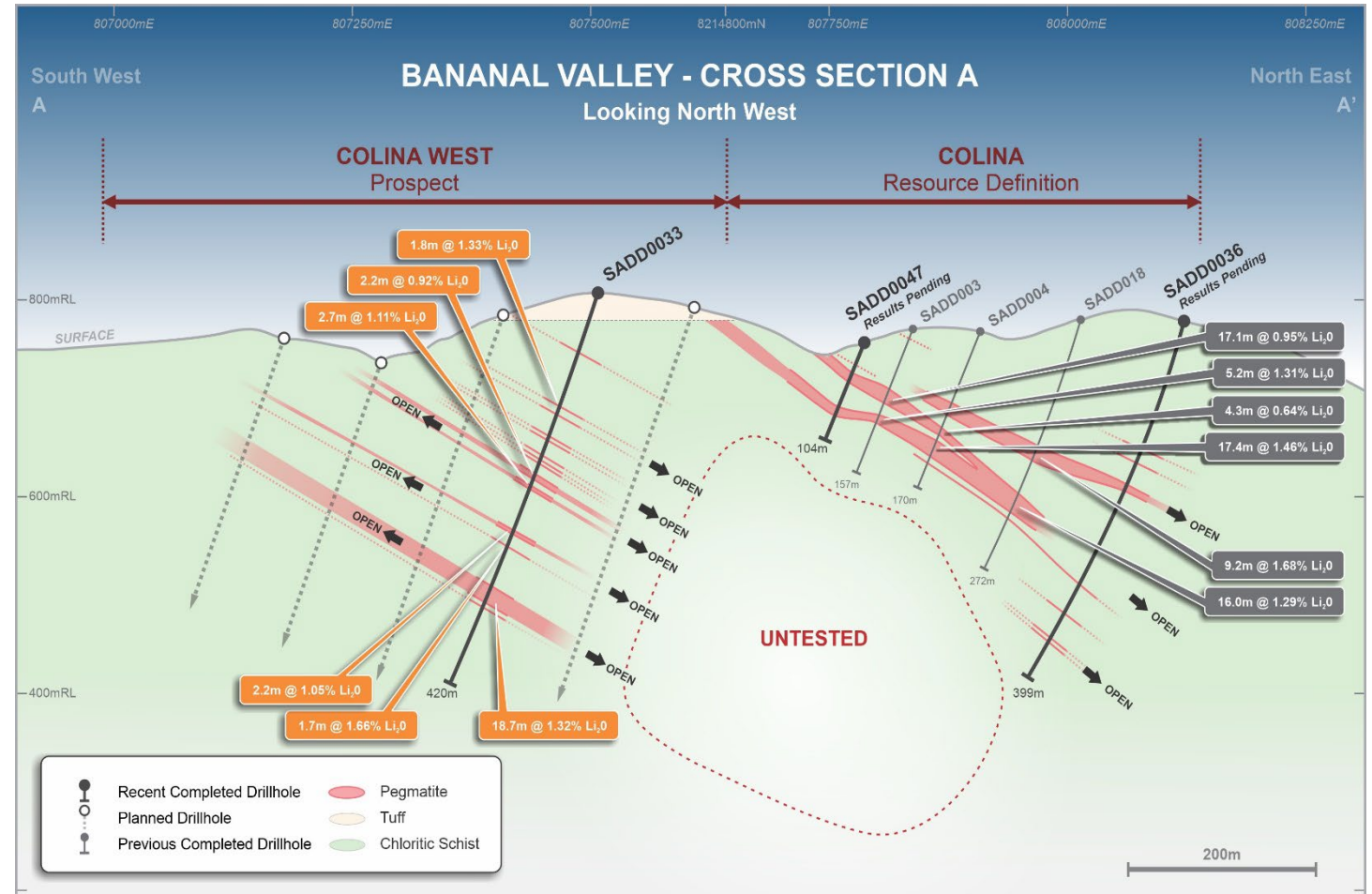
- ▶ **Diamond drilling at the Colina Prospect**, Salinas, has confirmed the high-tenor lithium grades of the spodumene pegmatites in this region, with a peak grade of **3.22% Li₂O** in discovery drilling
- ▶ **25,000m Resource Definition Drilling** campaign underway

Selected significant intersections:

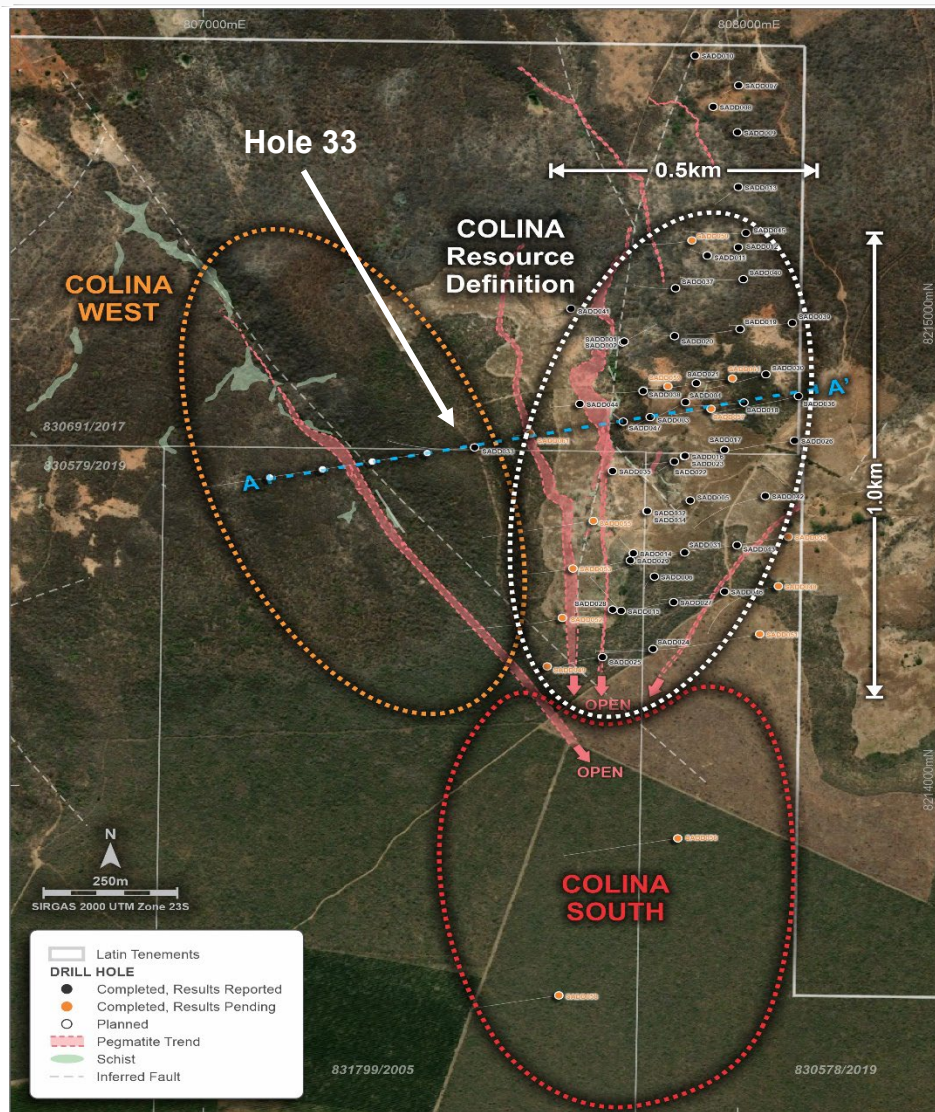
- SADD004:** 17.4m @ 1.46% Li₂O from 119.80
- SADD016:** 25.2m @ 1.25% Li₂O from 94.14
- SADD019:** 12.0m @ 1.62% Li₂O from 206.24
- SADD023:** 26.9m @ 1.40% Li₂O from 94.00
- SADD030:** 12.0m @ 1.82% Li₂O from 149.00
- SADD031:** 8.5m @ 3.57% Li₂O from 306.00
- SADD033:** 18.7m @ 1.32% Li₂O from 321.15
- SADD039:** 25.0m @ 1.47% Li₂O from 245.00
- SADD042:** 8.70m @ 2.16% Li₂O from 302.30

Colina West Prospect Significant Scale Implications

- ▶ **14,000m** drilled to date at Colina
- ▶ **Inferred 100m x 100m** line spacings has been completed
- ▶ SGS has commenced **JORC MRE** work due to announced in **December**
- ▶ Infill drilling **50m x 50m** has commenced to produce an **indicated resource**
- ▶ **Maiden JORC resource** to be published in **December**



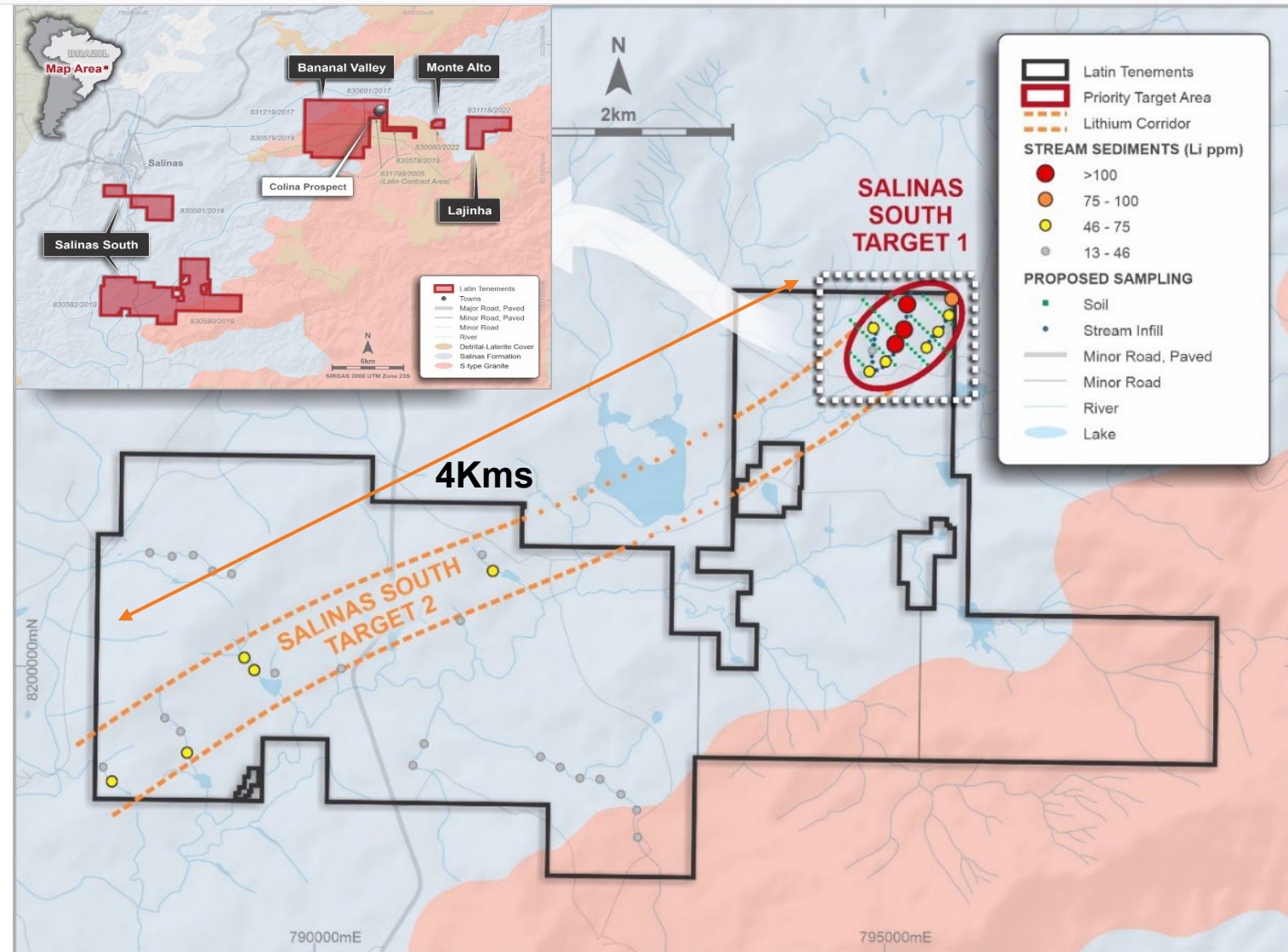
Colina West Prospect Significant Scale Implications



- ▶ **Hole 33 drilled at Colina West** confirmed significant results and new discovery – **18.71m @1.32% Li2O**
- ▶ Potential parallel mineralised pegmatite systems **have significant scale** implications for the **Salinas Lithium Project**
- ▶ This new zone is **open in all directions** including along strike to the north and south, up-dip to the mapped outcrop
- ▶ Currently drilling **4 new exploration holes** at Colina West
- ▶ Once mineralisation is determined – **new drilling program to commence to expand resource**
- ▶ **Scout holes** are also being drilled at **Colina South**

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% Li₂O Concentrate

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

- ▶ High recovery of **78.72% of Li₂O**
- ▶ Production of an extremely high-grade Li₂O 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 Li₂O recovery rates from simple HLS, may reduce initial project capital requirements, and ongoing operational processing costs
- ▶ Sample provided was only @ 1.25% Li₂O
- ▶ Test work is ongoing as part of the PEA



Refer to ASX announcement dated 24 August 2022

Catamarca , JV - Argentina spodumene project



Catamarca – 50/50 JV

Over 60,000 hectares held by LRS

North West Alto

New Exploration Q3 2022

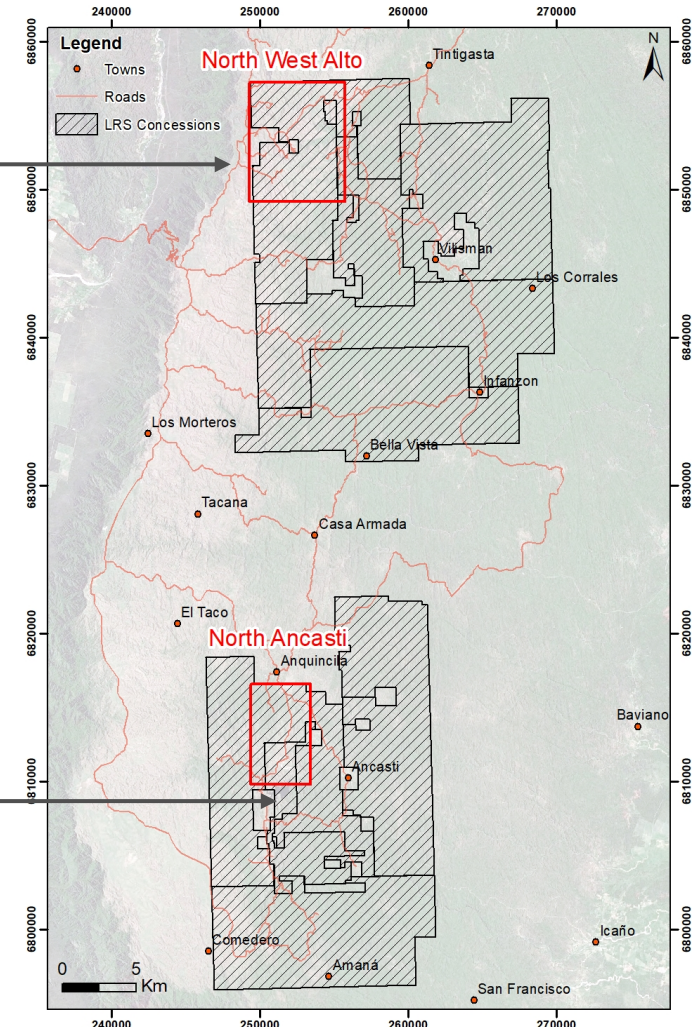
Villisman Project

Previous drilling intercepts include*:

- ▶ 3m @ 2.98% Li₂O
- ▶ 5.2m @ 1.62% Li₂O
- ▶ 6m @ 2.40% Li₂O
- ▶ 7m @ 2.17% Li₂O

Ancasti Project

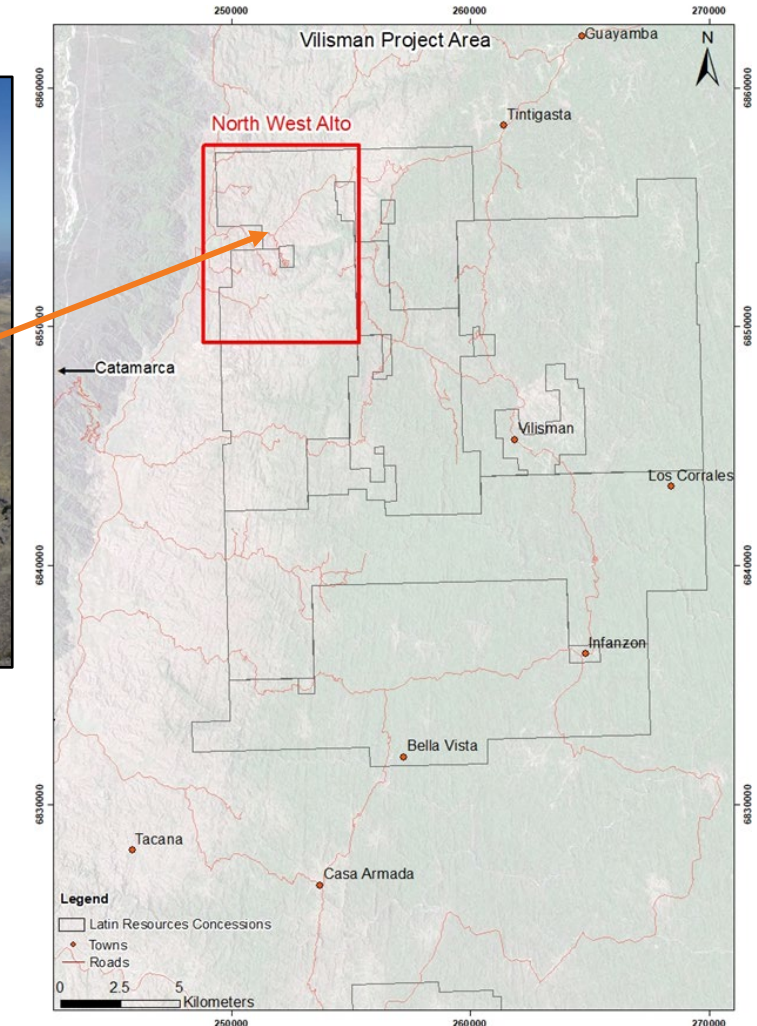
North Ancasti



Catamarca NW Alto New Exploration Work 2022

Northwest Alto

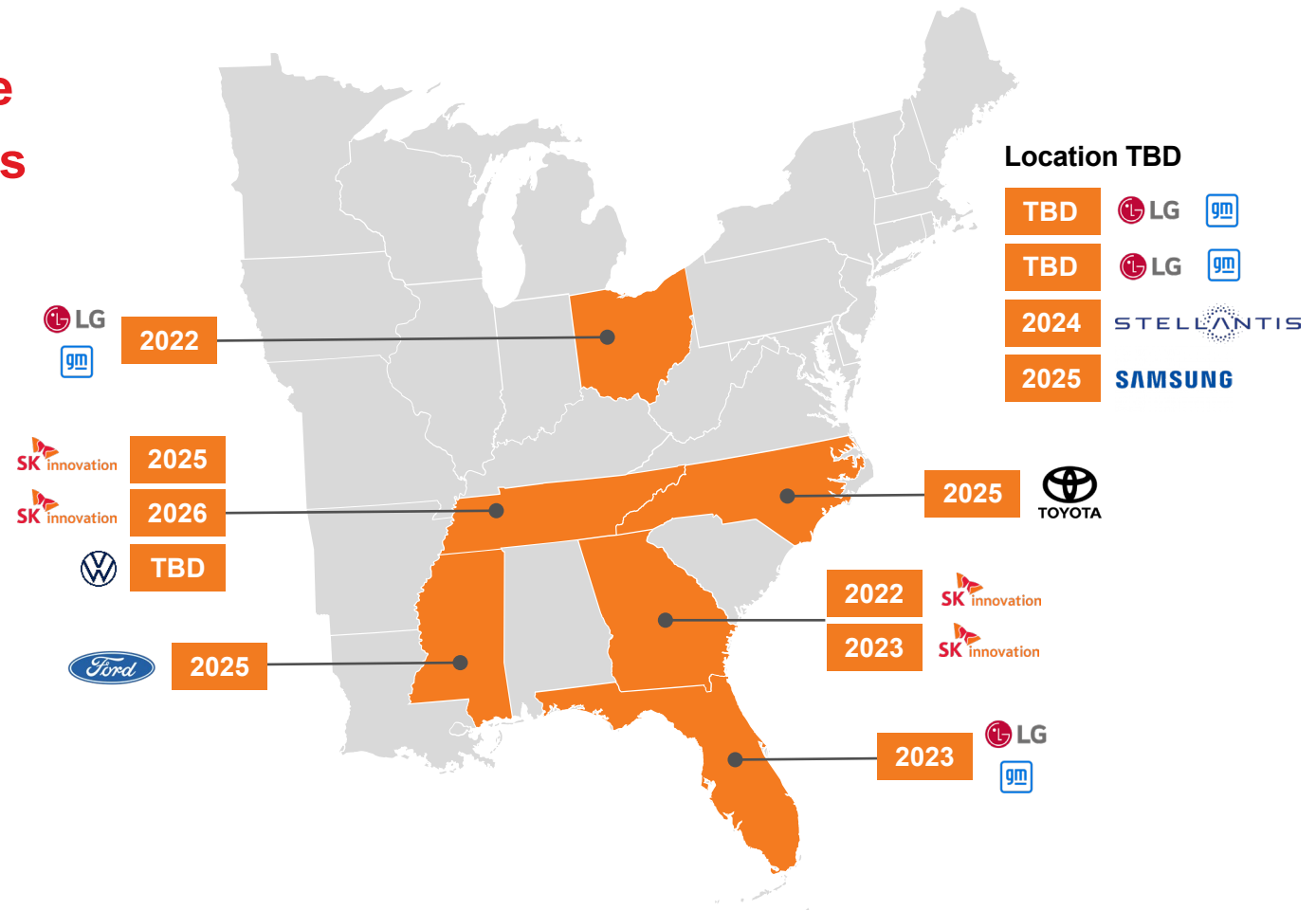
- ▶ Highly prospective for lithium bearing pegmatites of considerable size
- ▶ Rock chipping and soil sampling continues over the region
- ▶ Recently identified lithium of 1.219% Li_2O in the only exposed mine of the area
- ▶ Encouraged by the presence of lithium in the NW Alto system
- ▶ Further work being conducted to identify drill targets



The Rise of Gigafactories **Brazil Advantage**

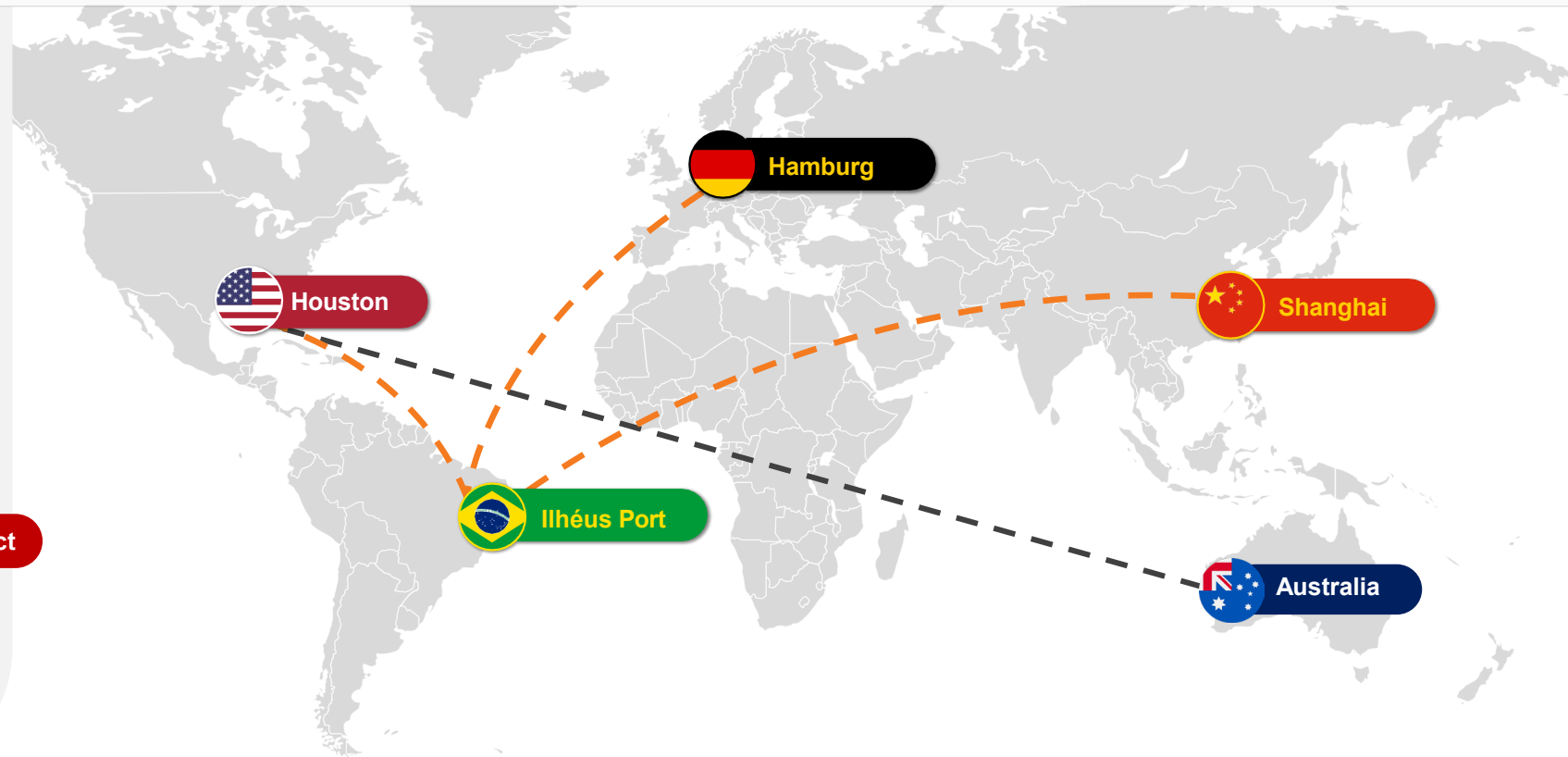
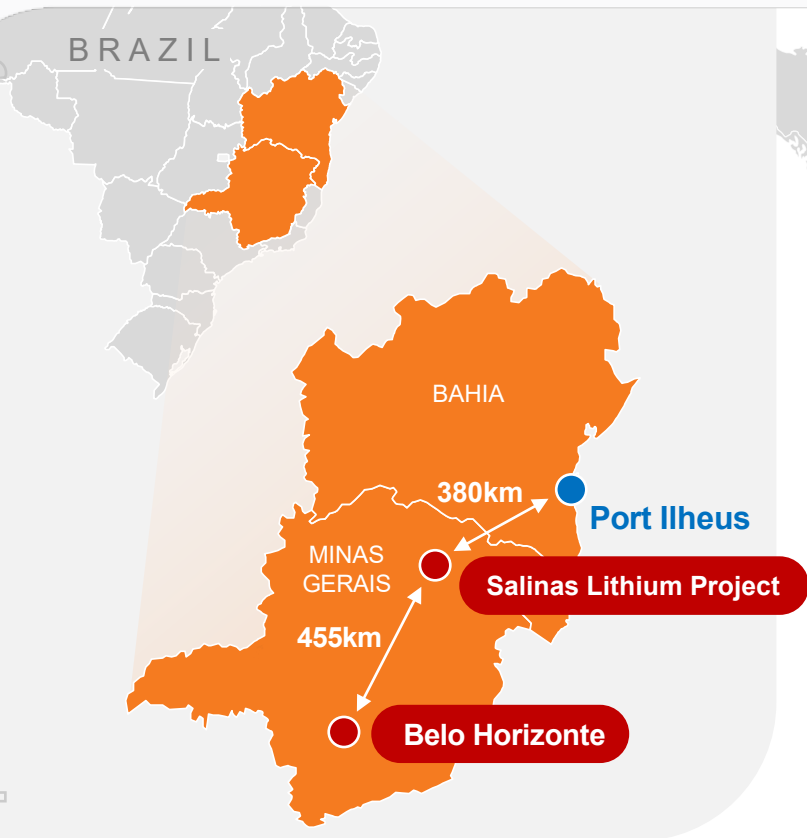
13 additional Gigafactories will become operational in the US in the next 5 years

- ▶ New US climate bill[^] 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



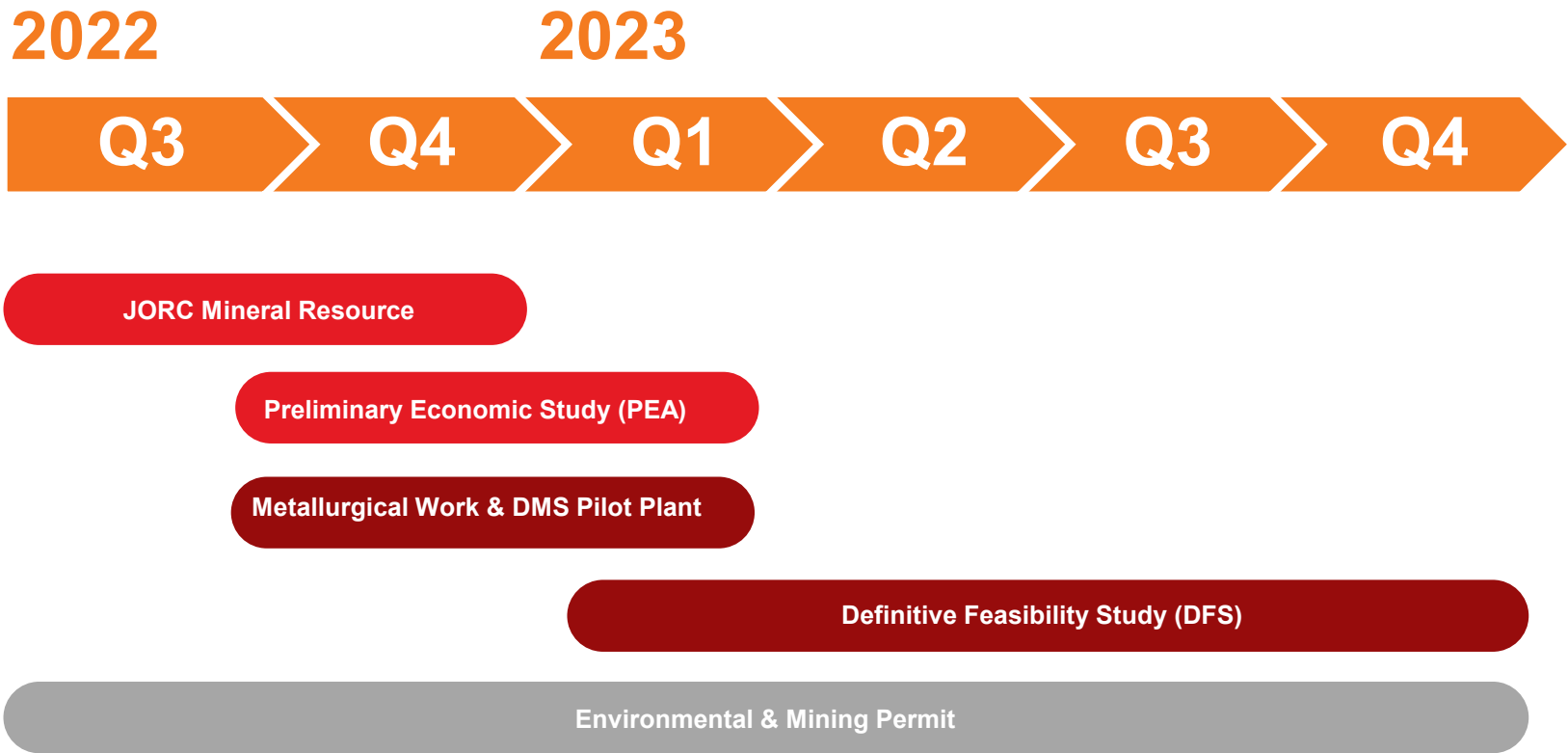
Advantageous Location

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- ▶ 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

Progressing the Salinas Lithium Project



Project Manager SGS Geological Services appointed* for:

- ▶ Metallurgical test work
- ▶ JORC Mineral Resource Estimation
- ▶ Preliminary Economic Assessment (PEA)
- ▶ Commission of pilot plant for lithium concentrate product

*Refer to ASX Announcement dated 9 August 2022
*Refer to Sigma TSX Announcement dated 26 May 2022

Corporate Overview



LRS

ASX Code

XL5

FRA Code

\$29.2m

Cash*

\$208m

Market Cap

(Share price \$0.10.5 26/10/2022)

\$2.5m

Average Daily Value

(52 week)

1,990m

Shares on Issue

199m

Listed Options

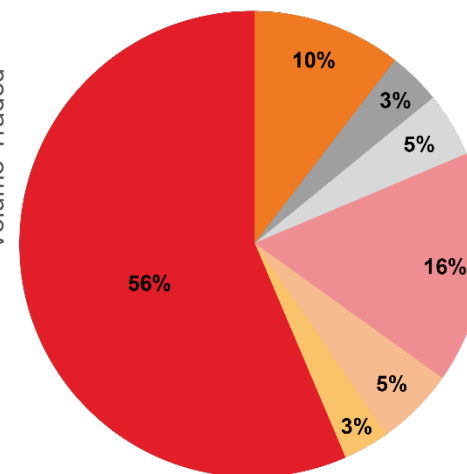
(\$0.012 expiry) December 2022

\$179m

Enterprise Value



Major Shareholders



- Integra Capital
- Directors & Management
- Electrification and Decarbonization AIE LP
- Citicorp Nominees
- BNP Paribas Nominees
- Remaining Top 50
- Remaining Shareholders



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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.