



LATIN
RESOURCES

NEW WORLD METALS CONFERENCE
SEPTEMBER 2023

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

ASX:LRS FRA:XL5

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Forward-Looking Statement

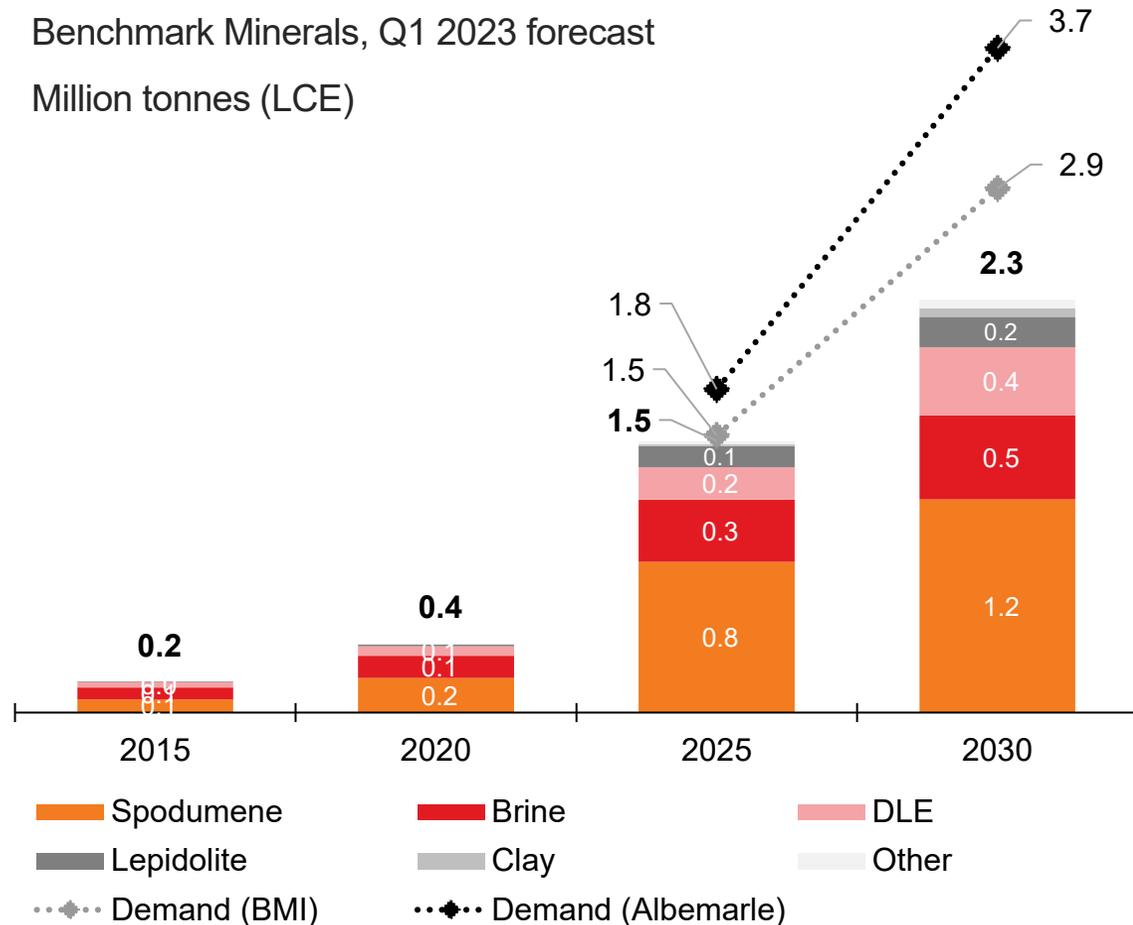
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Spodumene is essential for energy transition

Lithium supply by ore / process v demand

Benchmark Minerals, Q1 2023 forecast

Million tonnes (LCE)



Spodumene

Why is spodumene the dominant source of supply growth?

1 Faster to market and with lower risk

- Established and effective mine to market supply chain
- Lower technical risk than other supply sources
- Sigma constructed in 14 months

2 Low capital cost

- On average, spodumene concentrate projects are 4.5x lower capital than hydroxide and carbonate projects¹
- Sigma: phase I capital of US\$131M (270kt/y²)

3 Optionality

- Hydroxide and carbonate; cathode technology agnostic
- Most cost-effective and efficient pathway to LiOH



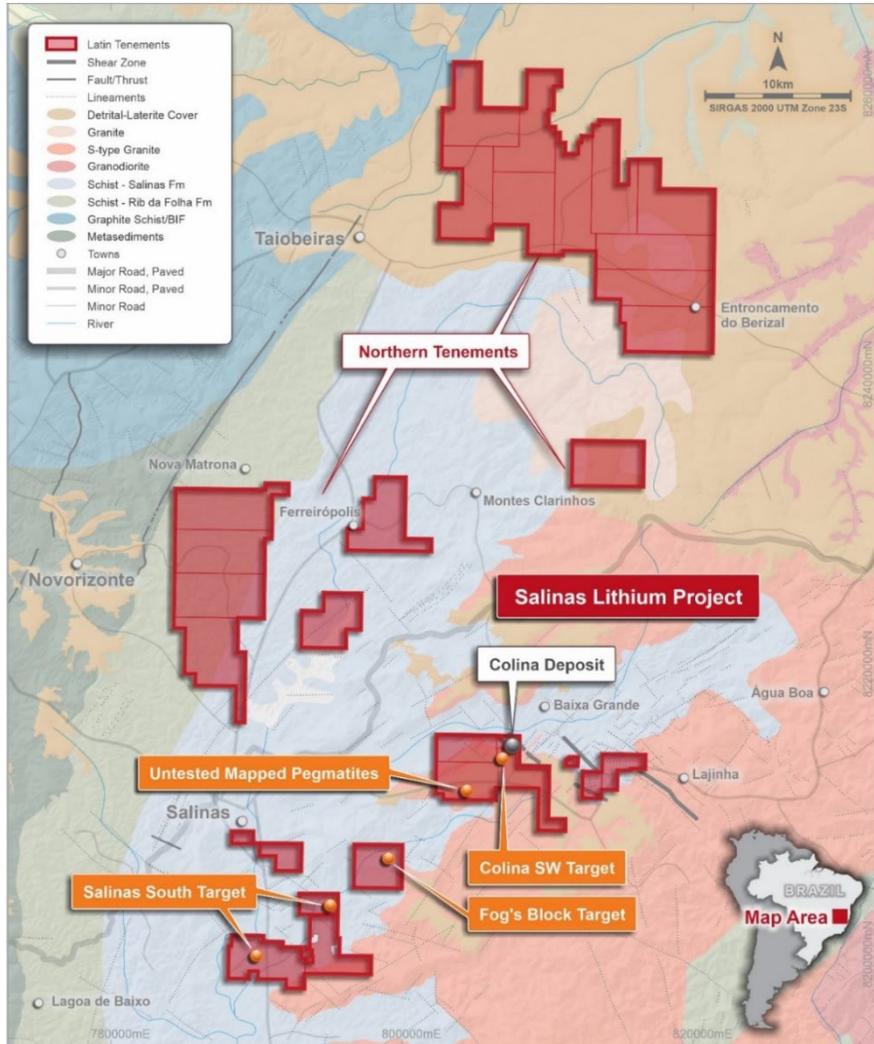
Lithium and Copper Projects

South America

Peru - Copper Exploration
MT-03 Copper Project | 100% owned

Brazil - Lithium Exploration (Spodumene)
Salinas Lithium Project | 100% owned

Argentina - Lithium Exploration (Spodumene)
Catamarca Lithium Project | 100% owned



300+ MINES OPERATING

BRAZIL'S 3rd LARGEST ECONOMY

US\$ 200 billion = 9.3% of GDP

Power Supply

- ▶ Hydro-backed grid
- ▶ Aimorés Hydro facility servicing Salinas
- ▶ No power purchase agreement required

Port

- ▶ Export port: Ilhéus Port
- ▶ Largest bulk export facility in Brazil
- ▶ Servicing all major port routes
- ▶ 380 kms from Salinas

Water

- ▶ PEA and DFS to confirm:
 - Dry stack tailings
 - No hazardous chemicals
 - Sustainable water access for site

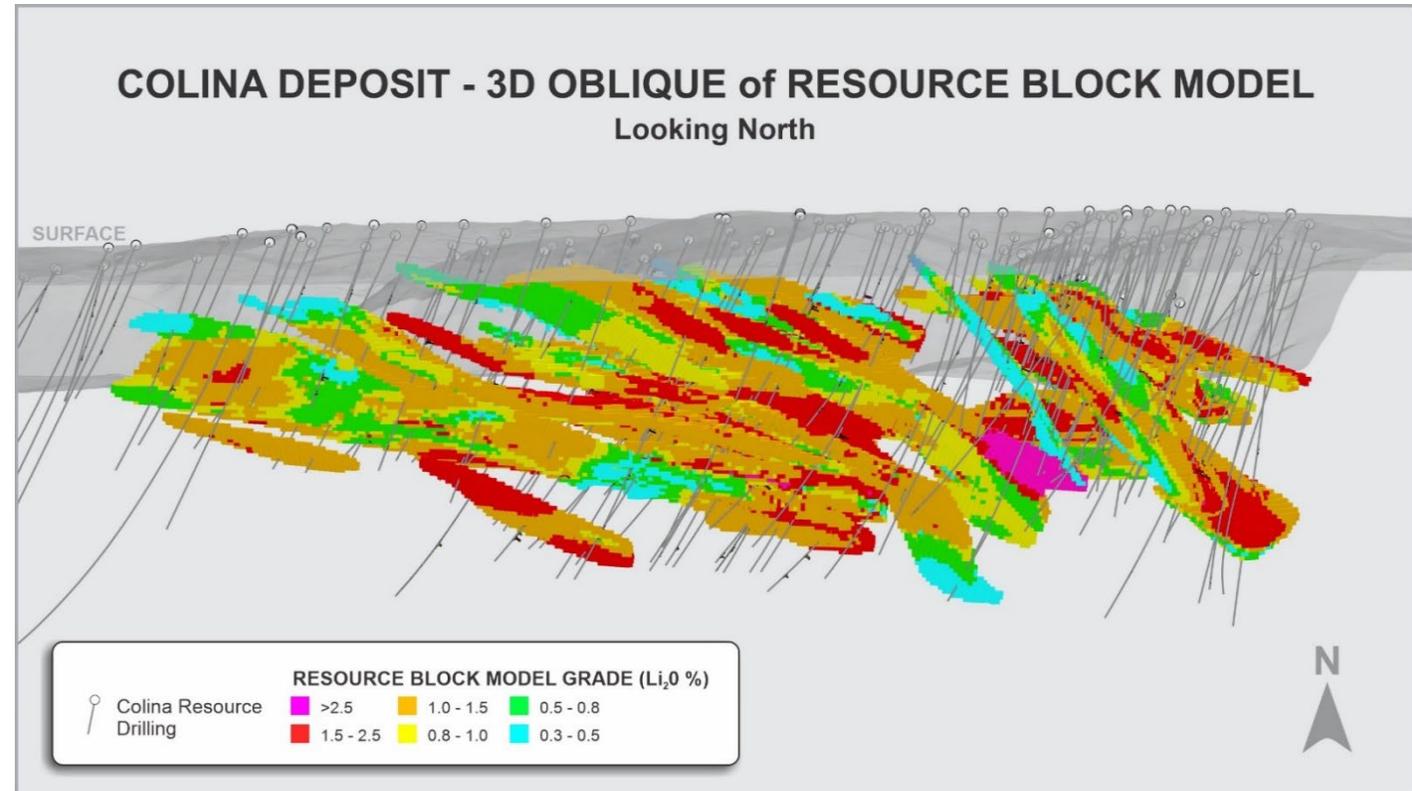
Roads

- ▶ Site serviced by industrial corridors
- ▶ Sealed roads to site
- ▶ Mature trucking industry

Mineral Resource Increased Tonnage and Grade

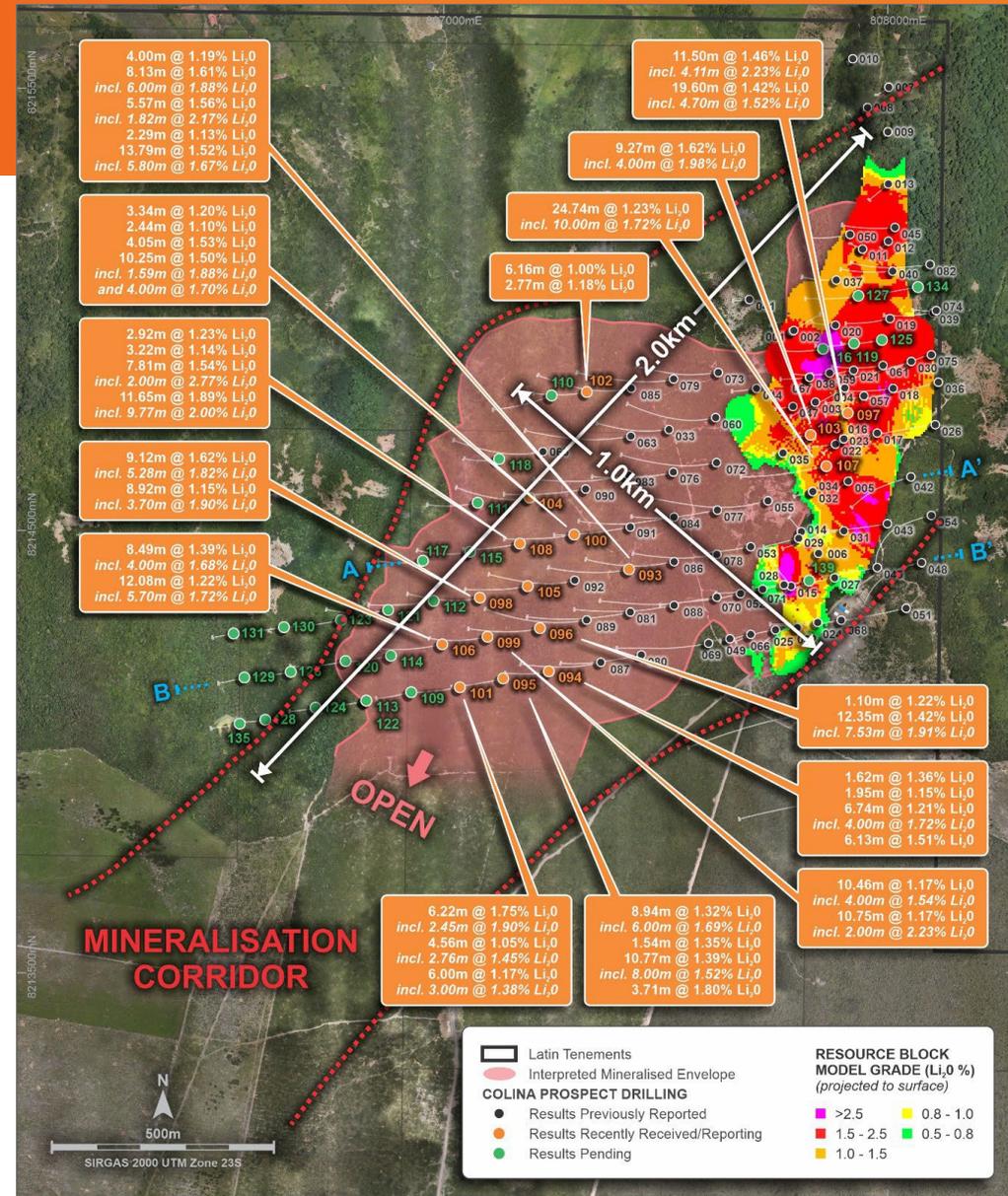
- ▶ Updated MRE for the Colina Lithium Deposit of 45.2Mt @ 1.34% Li₂O reported above a cut-off of 0.5% Li₂O (0.4Mt @ 1.3% Li₂O Measured + 29.7Mt @ 1.4% Li₂O Indicated + 15.0Mt 1.2% Li₂O Inferred).
- ▶ Significant **241%** increase in tonnage, grade and resource category after completion of major infill and extension drilling program (135 drillholes 39,033 metres).
- ▶ 67% (30.2Mt @ 1.4% Li₂O) of the total resource tonnage now in the Measured + Indicated category (up by 1,330%), supporting upcoming PEA

Significant upside remains with indications that high-grade pegmatite mineralisation continues to the south-west

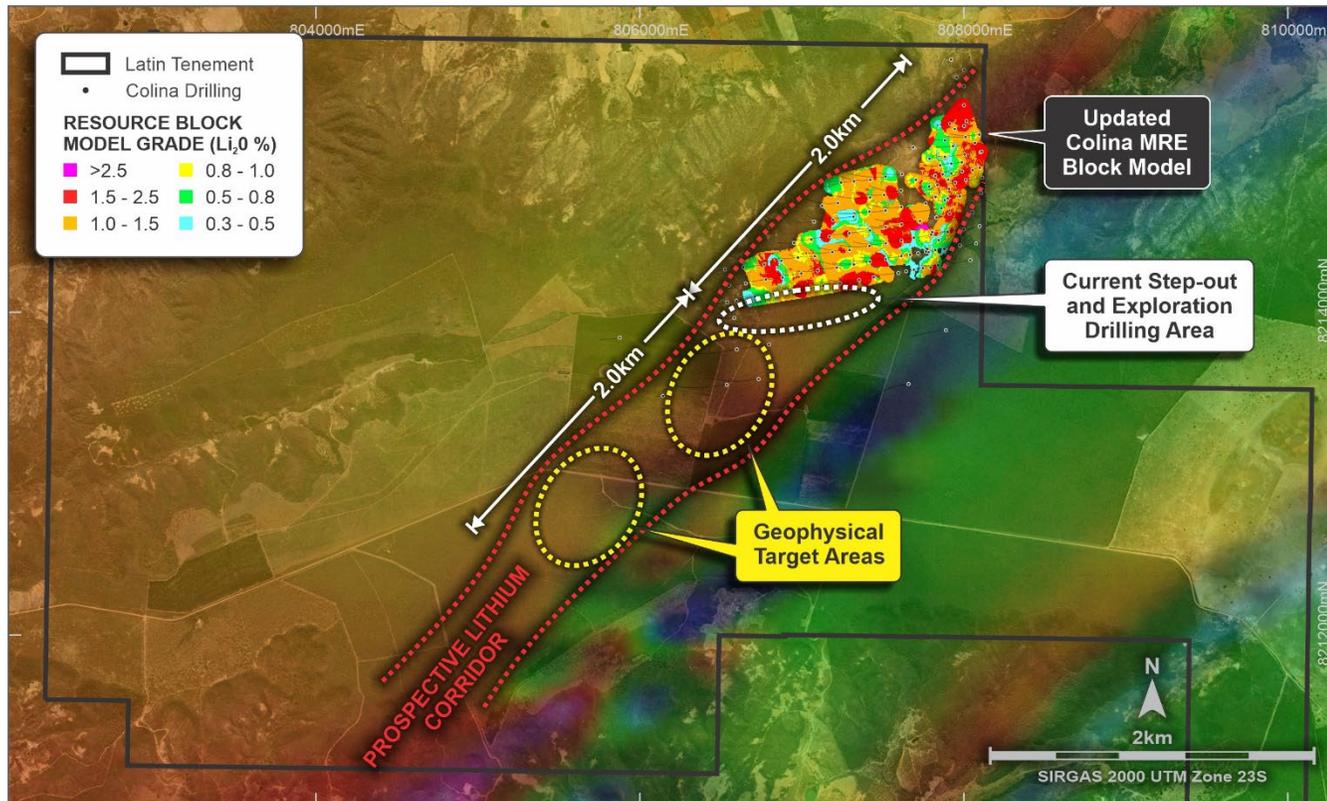


Exceptional Assay Results

- ▶ A total of 181 diamond drill holes for 63,181m has been completed to date, with 40,312m completed as part of the current 65,000m Salinas infill drilling campaign.
- ▶ Results from Colina infill drilling program continue to confirm the significant lithium mineralisation encountered at the Colina Deposit. Significant results include:
 - ▶ SADD139: 9.94m @ 1.50% Li₂O from 328.91m
 - ▶ SADD148: 10.46m @ 1.29% Li₂O from 160.04m
 - ▶ SADD149: 18.12m @ 1.67% Li₂O from 244.88m
 - ▶ SADD155: 11.74m @ 1.40% Li₂O from 76.26m
 - ▶ SADD156: 10.13m @ 1.63% Li₂O from 49.62m

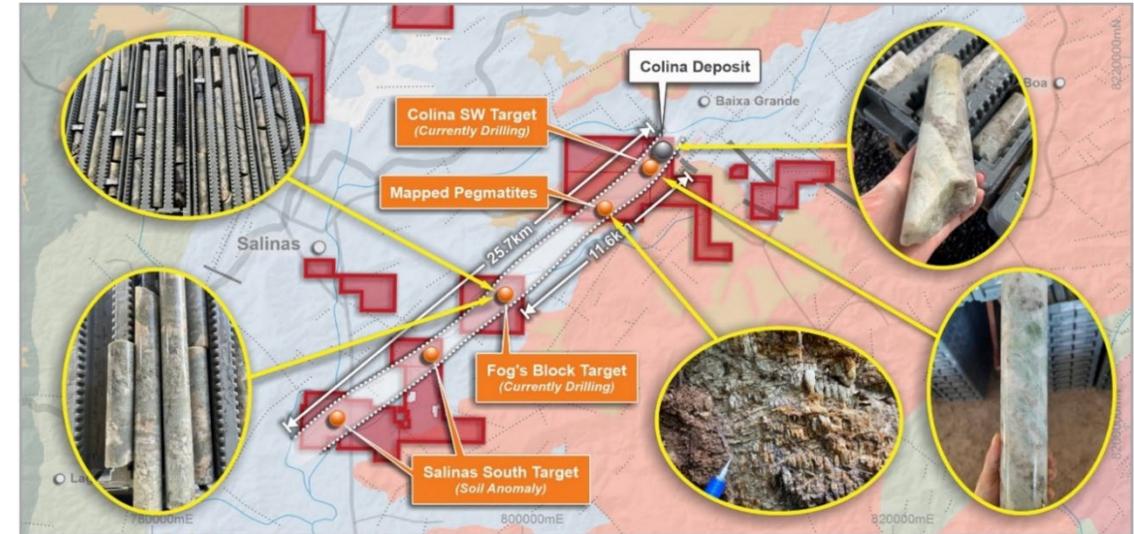


Colina Deposit drill collar plan highlighting potential MRE growth areas, including Colina West and Colina South



- ▶ **Significant upside remains through further drilling to the south-west and at regional targets.**
- ▶ Ten diamond drilling rigs to remain on site through 2023, for infill and extension drilling program of 65,000m total.
 - Priority focus on step-out drilling to the south-west where high-grade mineralisation remains open along strike.
 - Targeted large diameter PQ drilling for metallurgical pilot plant scale DMS.
 - Drill testing target areas in the “Colina Corridor”.

- ▶ The Company has defined intersections of spodumene rich pegmatites in multiple diamond drill holes, at two separate locations within the Company's prospective lithium corridor.
- ▶ The drilling and mapping results confirmed the presence of a 'district scale' lithium corridor within the Company's tenements, extending up to 26km to the southwest of the Company's flagship 45 Mt Colina Deposit.
 - The Company confirmed a significant extension of the 'Colina pegmatite system', with successful drill testing of a 'blind' geophysical target, 560m to the southwest of Colina, where multiple holes completed to date have intersected shallow east dipping, coarse grained spodumene rich pegmatites.
 - Drill testing of the "Fog's Block" tenement (approximately 12km to the southwest of Colina) also intersected multiple shallow east dipping coarse grained spodumene pegmatites, with assay results confirming spodumene mineralisation.



Colina Deposit Metallurgical Testwork

- ▶ Initial HLS testwork demonstrated excellent consistency of results across the width and depth of the known ore body.
- ▶ Dense Media Separations (DMS) test work confirmed the ability to produce a high-grade, low impurity spodumene concentrate
- ▶ Lithium stage recovery of 93.1% was achieved from the coarse sample to a spodumene concentrate grading 5.5% Li_2O , using pilot scale DMS equipment
- ▶ The successful operation of the DMS pilot plant demonstrates the potential to build a simple first stage “quick to market” DMS circuit
- ▶ Results to form valuable insight for the upcoming Preliminary Economic Assessment (PEA) and Definitive Feasibility Study (DFS)

**93.1% Recovery
to 5.5% Li_2O
Concentrate**



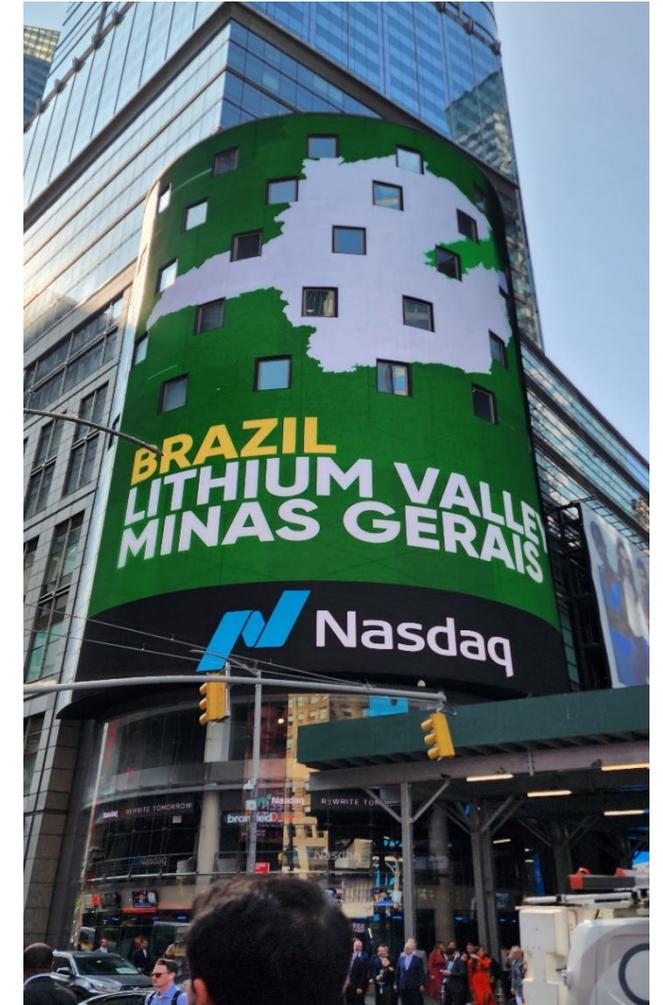
Lithium Valley Minas Gerais Brazil

Minas Gerais is a leading mining jurisdiction globally for supporting productive and sustainable operations

Minas Gerais government leading a strong push to develop a Lithium minerals sector within the province.

The same mining consultants that worked on Sigma project are now working on Latin Resources Salinas lithium project.

- ▶ MoU: LRS signed a non-binding MoU signed with Invest Minas (the Minas Gerais Economic Development Department and Minas Gerais Integrated Development Institute) in March 2023
- ▶ Purpose: fast-track project approvals and development for the Salinas Lithium Project, collaborate on building a lithium sector in Minas Gerais
- ▶ Key outcome: Salinas given priority project status by Minas Gerais State



Environmental, Social, Governance (ESG)

Robust ESG practices to benefit local communities

- ▶ ESG reporting underway following Stakeholder Capitalism Metrics (SCM) of the World Economic Forum (WEF)
- ▶ Utilising Socialsuite's platform to track, report, and share our ESG disclosures
- ▶ Robust ESG practices to benefit communities and exceed standards and policies of battery OEMs



Salinas school presentations on sustainable mining



LRS funded levy wall in Salinas built December 2022

Sigma Lithium

from Explorer to Producer

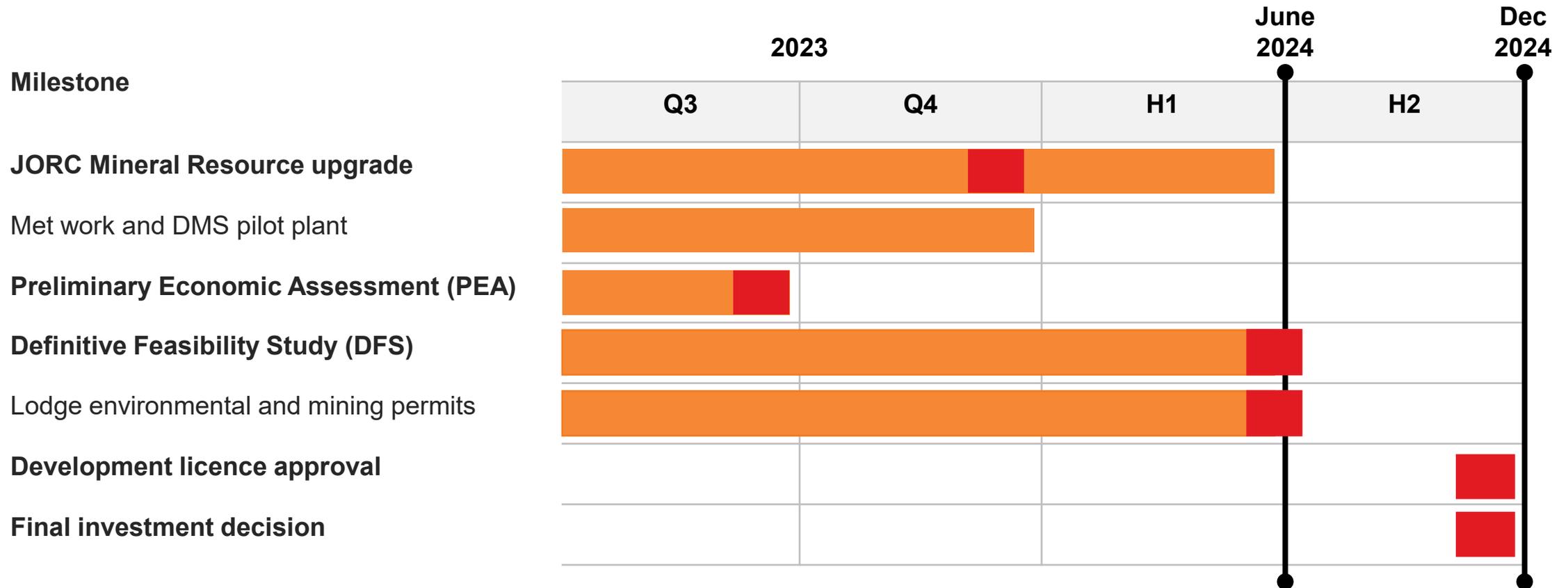
The same mining consultants that worked on Sigma project are now working on Latin Resources Salinas lithium project to take Latin to next stage of development.

- ▶ Grotta do Cirilo, Minas Gerais, Brazil Resource growth (total):
 - 2018: 13.5Mt @ 1.56% lithium²
 - 2021: 52.4Mt @ 1.41% lithium²
 - 2023: 85.6Mt @ 1.43% lithium³
- ▶ Construction: 14 months (plant built and commissioned)³
- ▶ Staged growth: over two phases³
 - Phase 1 (Q2 23) – 270ktpa (37ktpa LCE)
 - Phase 2 – 496ktpa – 766ktpa (67-100ktpa LCE)
- ▶ Capital: phase 1: US\$131M, phase 2: US\$155M³
- ▶ Operating cost: US\$401/t (mine gate), US\$523/t (CIF China)³
- ▶ Customer: LG ES (largest battery OEM ex. China)
- ▶ Shareholders: Blackrock, Synergy, Invesco
- ▶ Market capitalisation: US\$3.4B (August 2023) (NASDAQ:SGML)



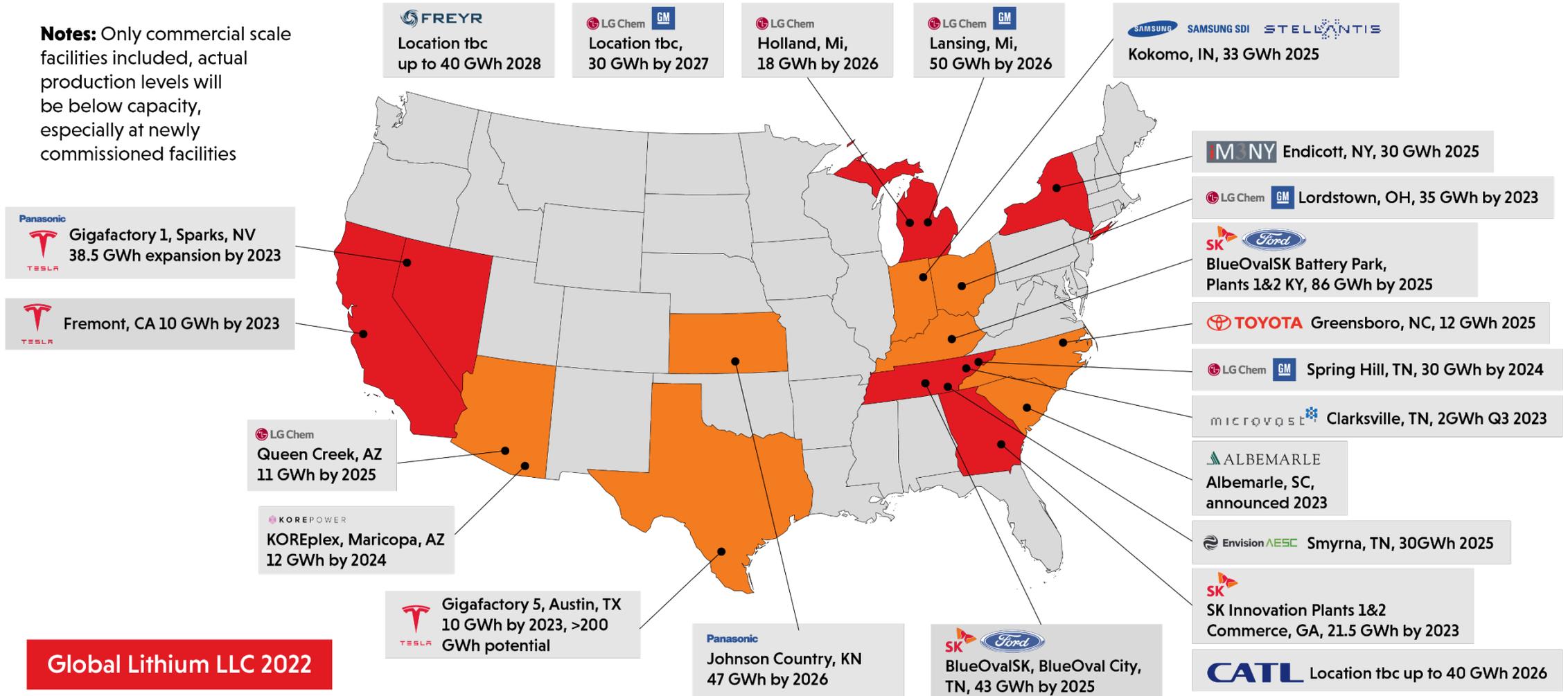
Project timeline and key milestones

Schedule provides an expedited pathway to development



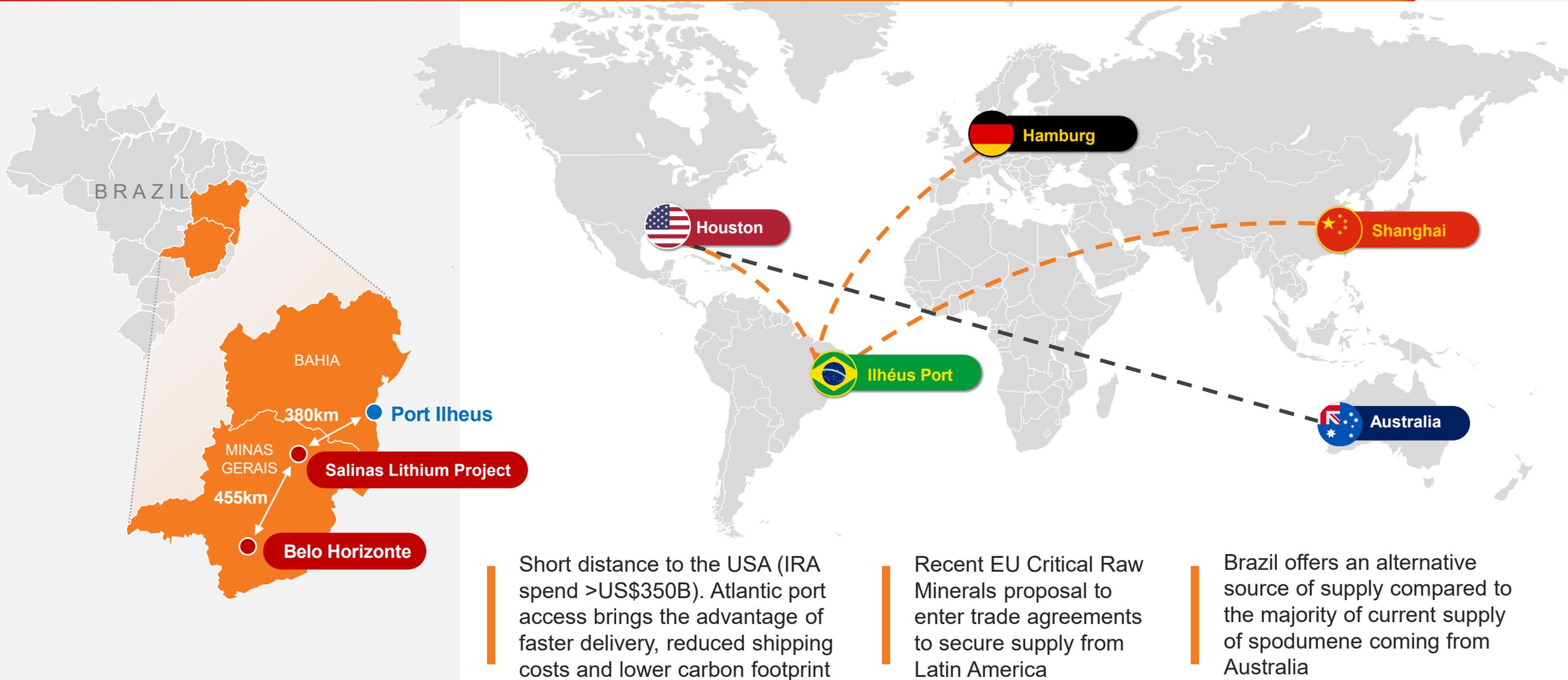
Battery Globalisation: US gigafactory projects

Notes: Only commercial scale facilities included, actual production levels will be below capacity, especially at newly commissioned facilities



Global Lithium LLC 2022

Advantageous Location



Experienced Board & Management



David Vilensky
Non-Executive Chairman

Corporate lawyer and an experienced listed company director, with over 35 years experience in the areas of corporate and business law and in commercial and corporate management.



Christopher Gale
Managing Director

Founder (2008) and Managing Director of Latin Resources with a 25 career in commercial and financial roles in public and private companies. He is the founding director of boutique corporate advisory firm Allegra Capital; and is a member of the Australian Institute of Company Directors (AICD).



Peter Oliver
Non-Executive Director

Mining professional with c-suite lithium credentials, former CEO/MD of Talison Lithium. With a background in Chemistry Mr Oliver's early career was in operational mining roles, with a focus on process improvements and structural optimisation. This included roles as General Manager of Talison's Greenbushes and Wodgina lithium mines and as CEO of Talison for over 15 years. Through his career Mr Oliver has built an extensive skill set in mining operations, development & leading strong corporate teams, managing a public company, and acting as a adviser in corporate structures & global M&A and financing.



Brent Jones
Non-Executive Director

Experienced financial services professional who has held numerous directorships and managerial positions. Head of Professional Services at Sequoia Financial Group (ASX:SEQ), a national supplier of diversified professional services to the Accounting and Advice industry.



Pablo Tarantini
Non-Executive Director

Broad professional experience in the mining industry in Argentina and Latin America. Served as Executive Director of the Argentinian Bureau of Investment and International Trade, coordinating investment initiatives and supporting the promotion of the mining activity in Argentina. Former President and Executive Director of SAPISA and Minera Don Nicolás.



Sarah Smith
Company Secretary

Chartered Accountant Experienced in IPOs, M&A, ASX and ASIC compliance Appointed 2016

Corporate Overview

LRS

ASX Code

XL5

FRA Code

\$4.0m

Daily Value
(52 week)

\$999.13m

Market Cap¹

2.6B

Shares

\$46m

Cash¹

\$952m

Enterprise Value¹

\$0.38

Share price¹

Share price performance



Institutional investors (global)

REGAL
FUNDS MANAGEMENT



WARATAH



Institutional investors (Brazil)

JGP



Next 12 months for Salinas and Latin Resources

2023

JORC resource upgrade

- ▶ Drilling over 65,000m across:
- ▶ Colina's western mineralised zone
- ▶ Colina southern mineralised zone
- ▶ Colina (infill and northern limb)
- ▶ JORC Resource upgrade increase expected 4th Qtr

Q3 2023

Salinas PEA

- ▶ Completion of PEA with SGS:
- ▶ Metallurgical flowsheet
- ▶ Capital and operating costs
- ▶ Project schedule
- ▶ Project NPV

H1 2024

Salinas DFS

- ▶ Completion of DFS:
- ▶ Bankable feasibility
- ▶ Marketing and financing
- ▶ Detailed engineering
- ▶ Offtake
- ▶ To support project FID in 2024

Competent Person Statement



The information in this report that relates to Geological Data and Exploration Results for the Salinas Lithium Project 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.

The information in this report that relates the Mineral Resource Estimate for the Salinas Lithium Project are based on the information compiled by Mr Marc-Antoine Laporte M.Sc., P.Geo, who is an employee of SGS Canada Ltd and a member of the L'Ordre des Géologues du Québec. He is a Senior Geologist for the SGS Geological Services Group and as more than 15 years of experience in industrial mineral, base and precious metals exploration as well as Mineral Resource evaluation and reporting. Mr Laporte has 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 quality as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'.



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