ATLAS LITHIUM

Nasdaq : ATLX

Corporate Overview

December 2023

Forward-Looking Disclaimer

This presentation contains, or incorporates by reference, "forward-looking information" within the meaning of applicable U.S. securities laws, rules and regulations. Forward-looking information may include, but is not limited to, statements with respect to the future performance of Atlas Lithium Corporation and its subsidiaries (together, "Atlas Lithium" or the "Company"), the Company's mineral properties, the future price of lithium and other minerals, the mineralization of the Company's properties, results of exploration activities and studies, the realization of mineral resource estimates, exploration activities, costs and timing of the development of new deposits, the results of future exploration and drilling, management's skill and knowledge with respect to the exploration and development of mining properties in Brazil, the Company's ability to raise adequate financing; government regulation of mining operations and exploration operations, timing and receipt of approvals and licenses under mineral legislation, and environmental risks. There may be other factors that cause actions, events or results to differ from those anticipated, estimated or intended. Forward looking statements contained herein are made as of the date of this presentation. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. The reader should not place undue reliance on these forward-looking statements, as there can be no assurances that the plans, initiatives or expectations upon which they are based will materialize. Information in this presentation relating to other companies are from public sources believed to be reliable but that have not been independently verified by the Company. Note that sampling results are not necessarily representative of the likelihood of mineralization of a project. Readers are cautioned that disclosure of any potential grades is conceptual in nature; there has been insufficient exploration by Atlas Lithium at its Minas Gerais Lithium Project to define a mineral resource or mineral reserve estimate. This presentation and any oral presentation accompanying it shall not constitute an offer to sell or a solicitation of an offer to buy any securities of the Company or as an inducement to make an offer or invitation with respect to any securities.

Qualified Person's Statement

Unless otherwise indicated, the scientific and technical information in this presentation has been reviewed and approved by James Abson, who is a Qualified Person for Lithium as such term is defined in Item 1300 of the U.S.'s Regulation S-K. James Abson is the Chief Geological Officer for Atlas Lithium.

Key Stock Highlights

Ticker	Units	Nasdaq: ATLX
Share Price	*US$*	*27.86*
Outstanding Shares	*#*	*10,729,260*
Market Cap	***US$ mm***	***298.9***
52-Week High	*US$*	*41.46*
52-Week Low	*US$*	*6.82*

Source: Company Financial reports, FactSet (20-Nov-2023)

Selected Institutional Shareholders

BlackRock, Waratah, Polar, Fidelity Investments, Thomist Capital, Weiss, U.S. Global Investors, Geode Capital Management, Invesco, Candace Shira Associates, LLC, Canton Hathaway, SIG Susquehanna

Analyst Coverage

Firm	Analyst	Recommendation	Target Price (US$)
AGP	Jake Sekelsky	Buy	70.00
HCW H.C. Wainwright & Co.	Heiko F. Ihle	Buy	52.00
Roth MKM	Joe Reagor	Buy	47.00

Experienced Management Team

Marc Fogassa
Chairman & CEO

- ✓ Fluent in Portuguese, the language of Brazil, where projects are located
- ✓ MIT, double-major undergraduate; Harvard MBA

Gustavo Aguiar
CFO & Treasurer

- ✓ 16+ years of experience in finance/accounting
- ✓ Previously was Controller for Jaguar Mining (profitable mines in Brazil)

Nick Rowley
VP, Business Development

- ✓ 12+ years of experience in lithium industry
- ✓ Previously Director of Corporate Development, Galaxy Resources (now Allkem Ltd)

James Abson
Chief Geologist

- ✓ Previously Chief Geologist and Exploration Manager for Bikita Minerals with over 28 years of experience in mining and mineral exploration

Raimundo Almeida
VP, Lithium Processing

- ✓ 12 years of experience in lithium processing and production of lithium concentrate, incl. Sigma Lithium and AMG

Seasoned Advisors and Board

Board Directors

Marc Fogassa
Chairman & CEO

Stephen Petersen, CFA
Independent Director

- ✓32-yr career at Fidelity serving as portfolio manager of multiple equity funds
- ✓Managing director at Prior Wealth, $3B in assets under management

Roger Noriega
Independent Director

- ✓Nominated by President George W. Bush Assistant Secretary of State
- ✓Founder and managing director of Visión Américas

Cassi Olson, Esq.
Independent Director

- ✓Extensive experience in global contracts and venture transactions
- ✓Attorney, Ellenoff Grossman & Schole LP

Advisors

Martin Rowley
Lead Advisor

- ✓Pioneer of modern lithium industry with over 40yrs of experience as a founder, financier, and mining entrepreneur
- ✓Founder of First Quantum Minerals and former chairman of Allkem

Rodrigo Menck
Advisor

- ✓Previously was CFO of Sigma Lithium and Nexa Resources
- ✓Has more than 20 years of experience in the Financial Markets and Natural Resources

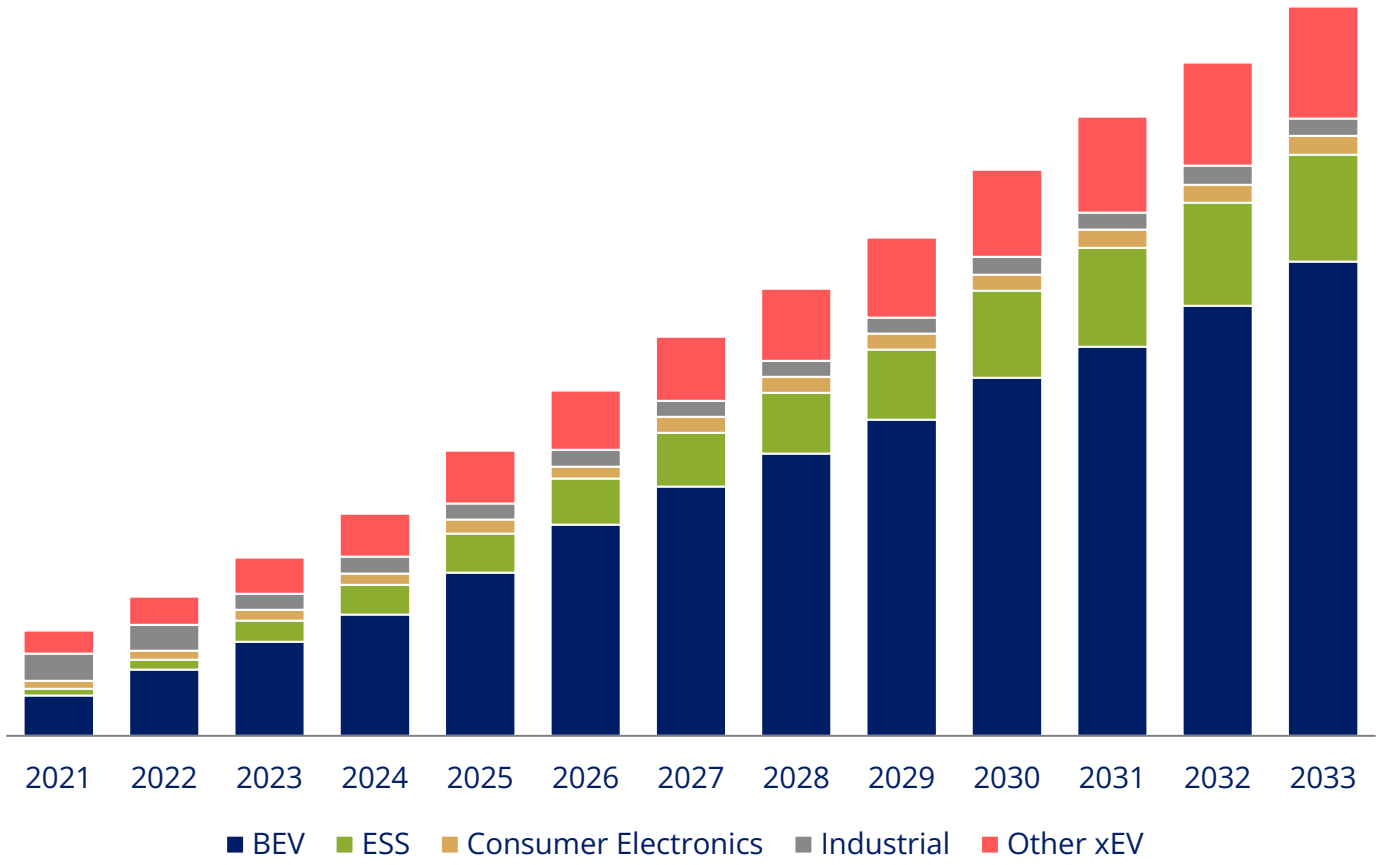
Summary Highlights of Minas Gerais Lithium Project

1. ***Battery EV Adoption Continues to Grow at an Accelerated Pace, Supporting Lithium Concentrate Demand***
2. ***Largest Hard-Rock Lithium Mineral Property Portfolio in Brazil, Located in a Premier Lithium Jurisdiction with High Quality Spodumene Deposits, Efficient Permitting Process and Favorable Infrastructure***
3. ***Fast to Market – Open-Pit Minas Gerais Lithium Project to Produce and Sell Lithium Concentrate by Q4 2024***
4. ***Promising Drilling Coupled with Strong Metallurgical Tests Demonstrate High Quality Lithium Concentrate Project Potential***
5. ***Experienced Management Team with ~40% Ownership of the Company Demonstrate Full Alignment with the Project Success***
6. ***Attractive Capital Structure and Robust Cash Position to Support Development of Minas Gerais Lithium Project***

Favorable Structural Fundamentals Supporting Lithium Demand

Unquestionable Demand – 3.5 million tonnes LCE Needed by 2033

EV Adoption Continues to Gather Pace



Source: Fastmarkets, California Air Resources Board; New York State Office of the Governor; Reuters; Woodmack;

- ✓ Fastmarkets forecasts for demand from battery electric vehicles (BEVs) to increase by **compound annual growth rate (CAGR) 20%**
- ✓ By **2033**, **Europe and the US** will each contribute 5% to global supply versus **18% and 23% respectively of global combined electric vehicle (xEV) demand**
- ✓ **California, New York, New Jersey, and the EU** each moved to effectively ban new sales of fossil fuel cars by **2035**
- ✓ According to a new California Energy Commission (CEC) report released on August 2023, over **25% of all cars sold in the second quarter of 2023 were electric**, putting California on pace to have **100% all electric car sales by 2035**
- ✓ California has met its target 2025 EV sales **two years prior than expected**
- ✓ Woodmack forecasts **USA** will grow **643% its EV sales from 2022 to 2030**
  - ✓ Will more than **double its participation** in global EV sales (9.0% to **18.5%**)

Atlas Lithium Minas Gerais Lithium Project

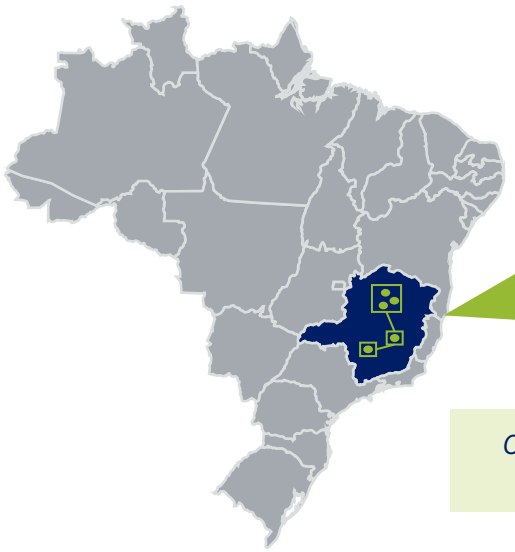
Project with Clear Path to Production in the Near Term

Highly Supportive Jurisdiction with Proven Lithium Potential

Promising Drilling & Metallurgical Results

Strong ESG Credentials with Clear Environmental and Social Benefits

Additional Exploration Upside Supporting Phase II Expansion



Minas Gerais Lithium Project

Ongoing Drilling in Neves Area, a part of Minas Gerais Lithium Project

240 km²
Minas Gerais Lithium Project Area

>65,000m
Drilled in Neves Project

5.23% Li_2O
Top Intersect Grade at 9 Meters Depth

~150ktpa
Spodumene Concentrate Targeted Production for Phase I

Q4 2024
Expected Phase I First Production

~300ktpa
Spodumene Concentrate Targeted Production including Phase II

Clear Path to Near-Term Production

ATLX announces pricing of US$4M at $6 per share; up-listing to Nasdaq
January 9, 2023

ATLX rings Nasdaq opening bell
February 24, 2023

ATLX receives US$20M from Lithium Royalty Corp. in non-dilutive funding
May 2, 2023

ATLX receives US$10M funding from strategic parties
July 24, 2023

2023

ATLX granted priority review for Neves project permitting
June 26, 2023

ATLX produces lithium concentrate samples >6% Li_2O, announces strong metallurgical results
April 24, 2023

MRE & PEA Release
Q1-2024

Definitive Feasibility Study (Phase I & II)
Q2-2024

First Production (Phase I, 150ktpa)
Q4-2024

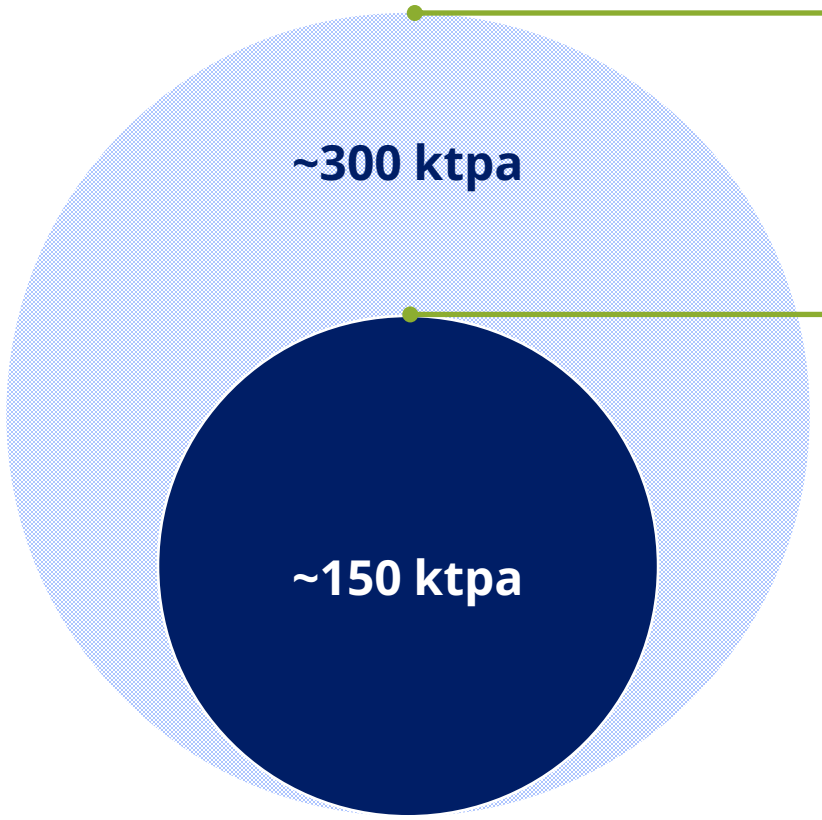
Phase II Production, 300ktpa
Mid-2025

FID / Project Construction
Q2-2024

Updated Resource Estimate
Q3-2024

Minas Gerais Lithium Project Production

Phase I and Phase II Production



Phase II

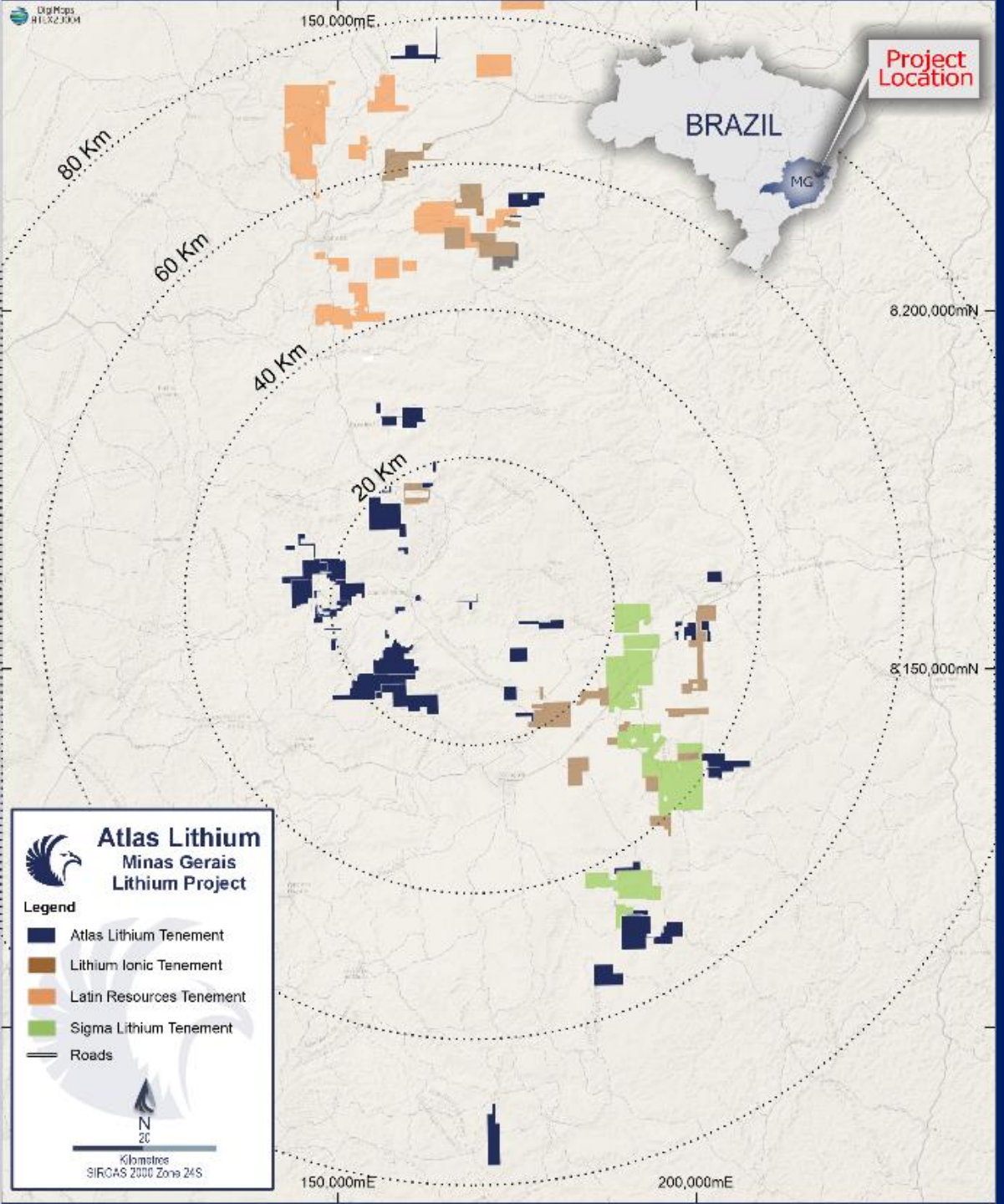
- *First Production: **Mid-2025***
- *Additional Target Production: **~150ktpa***
- *Additional Stockpile Processing Capacity: **900ktpa***

Phase I

- *First Production: **Q4 2024***
- *Target production: **~150ktpa***
- *Stockpile Processing Capacity: **900ktpa***

*Potential to achieve a **spodumene concentrate production of 300,000 tpa** in the mid-term with development of Phase II*

Neighboring Minas Gerais Site



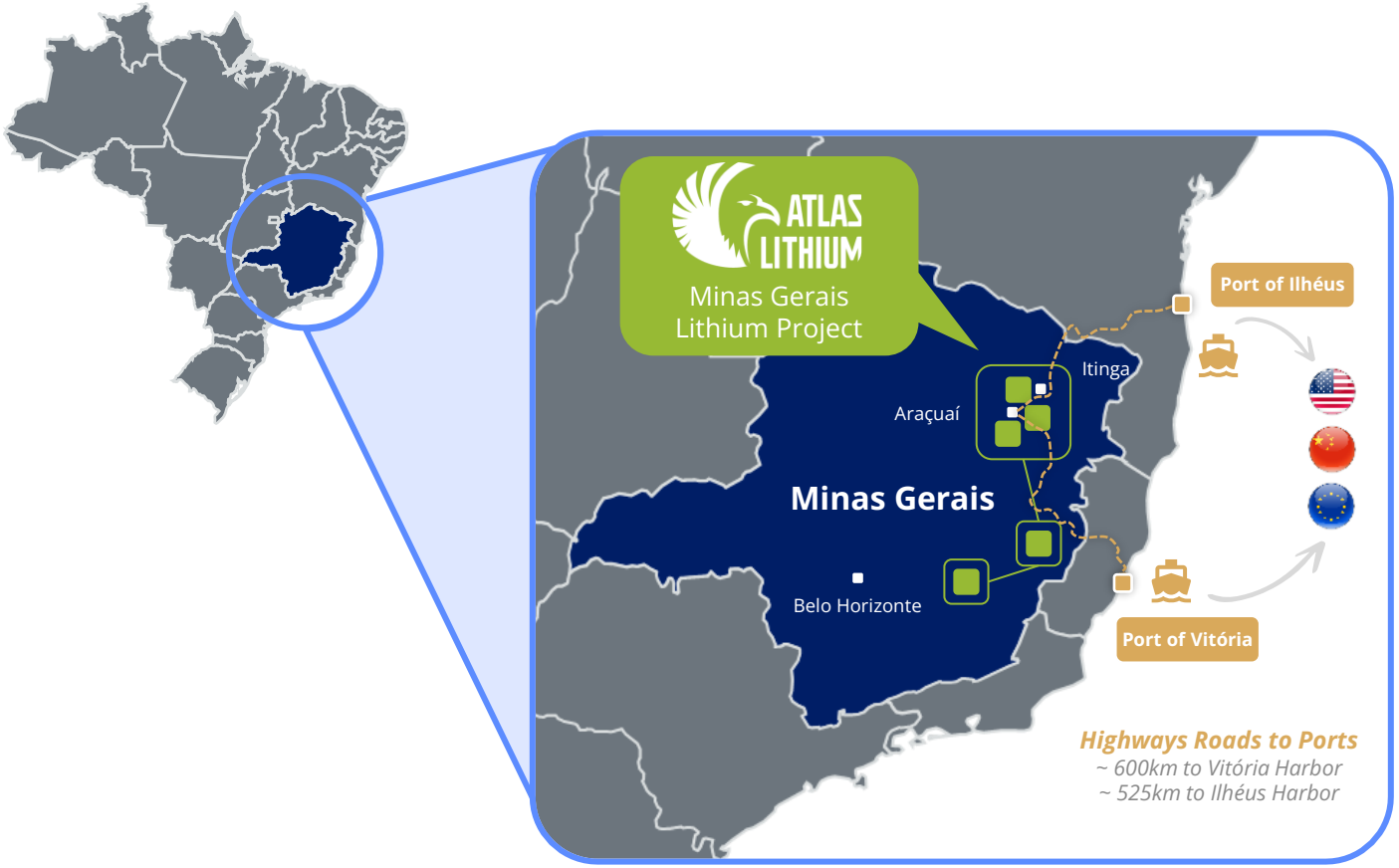
- ✓ Atlas Lithium holds **54** mineral rights spread over **240 km²**
- ✓ Several of these mineral rights are adjacent to Sigma Lithium Corporation, a lithium producer in Brazil's Lithium Valley

Source: Agência Nacional de Mineração, the Brazilian Mining Department

Note: The details of projects near or adjacent to the Company's projects are set out for information purposes only and not a guarantee or an indication of the productivity or the geology of the Company's projects.

Highly Attractive Location

Located in Brazil's Lithium Valley, a premier lithium jurisdiction with high quality spodumene deposits, efficient permitting process and favorable infrastructure



Resource Potential to Support Large Scale Operations

- ✓ *The Brazilian Geological Service (CPRM) suggested that the region has at least 45 lithium deposits*
- ✓ *Adjacent to operational lithium mines in the region such as Sigma Lithium and CBL*

Licensing Fast Track to Speed up Project Execution

- ✓ *Minas Gerais government created a fast-track process, under the InvestMinas Program, to facilitate project development and allow for licensing to be given within 6 months*
- ✓ *Mining friendly jurisdiction: 300+ operating mines in the state of Minas Gerais*

Favorable Infrastructure

- ✓ *Access to abundant renewable & clean energy sources and highway roads directly connected to intercontinental ports to supply main markets*

Source: Brazilian Geological Service (CPRM), IGNEA BR

Promising Drilling and Metallurgical Results

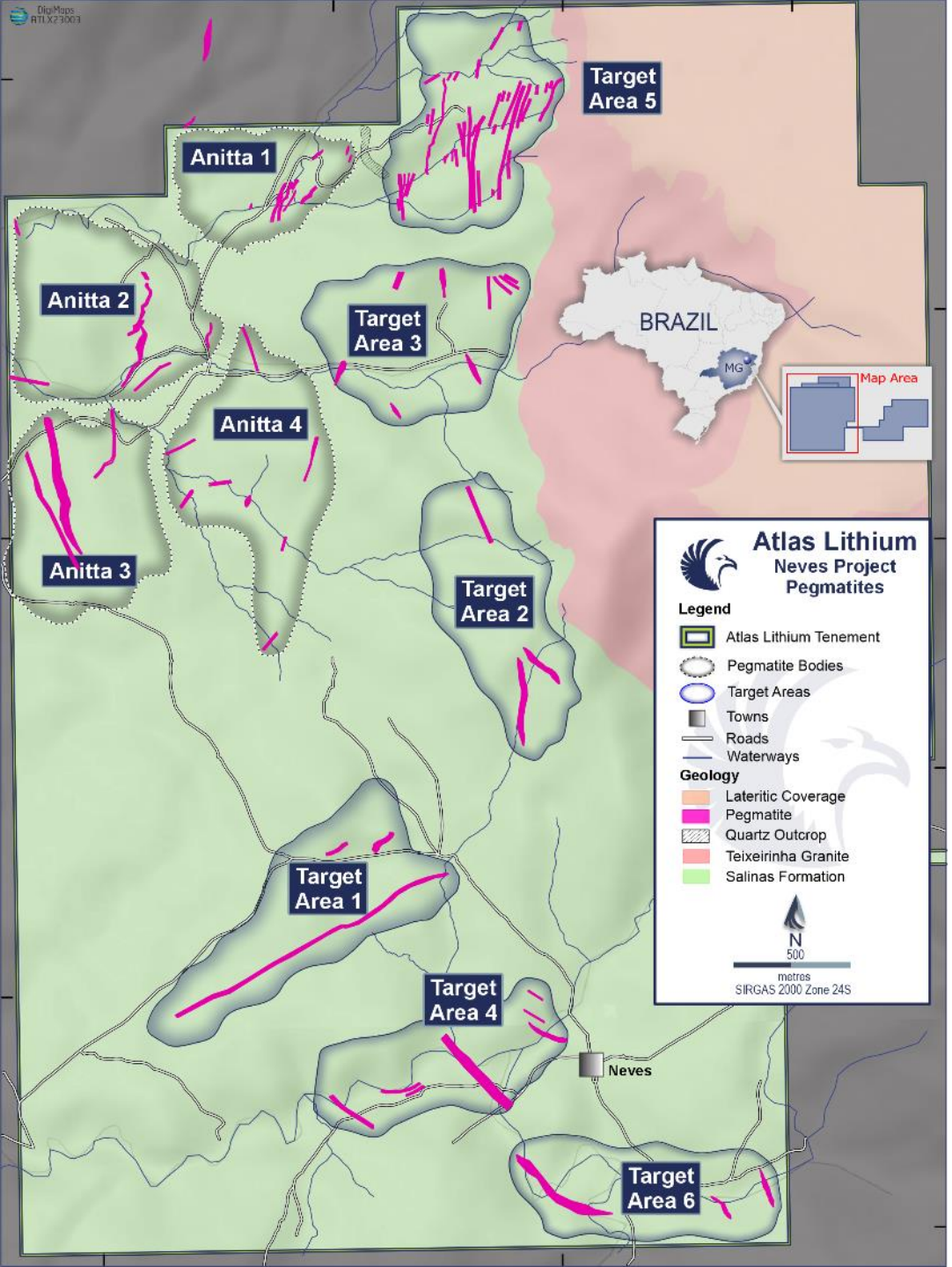
Drilling Update

- ✓ *Currently **drilling 2 of our 54 mineral rights**, part of the Neves Area, where **38 pegmatite outcrops have been identified thus far***
- ✓ *>65,000 meters drilled with targets yielding **intersects of up to 5.23% Li_2O***
- ✓ *Promising lithium-bearing area identified **near the surface, expanding mining prospects***
- ✓ *Drill holes reveal **significant mineralized spodumene at shallow depths**, with potential for **open pit mining***

Metallurgical Tests

- ✓ *Metallurgical Testwork at SGS laboratory using **HLS showed ability to concentrate our lithium samples to 7.22% Li_2O grade**, while composite **grade was 1.53% Li_2O, mainly as spodumene***
  - *HLS projections were confirmed in a short continuous DMS pilot plant campaign*
- ✓ *DMS plus magnetic separation on the 2nd pass DMS sinks produced a **final spodumene concentrate grading of 6.04% Li_2O with only 0.53% Fe_2O_3***
- ✓ *Lithium recovery rates ranged **between 70% and 85%***
- ✓ *Results were achieved **without the use of flotation technique***

Ongoing Drilling Campaign



Exploration Upside at Neves Project

Several promising targets already identified in the region, with potential to support the **development of Phase II and extend LOM**

TARGET	DESCRIPTION
Target #1	Four (4) mapped pegmatites
Target #2	Two (2) mapped pegmatites
Target #3	Seven (7) mapped pegmatites
Target #4	Three (3) mapped pegmatites
Target #5	Twenty (20) mapped pegmatites
Target #6	Two (2) mapped pegmatites

Lithium Mineralization Highlights

DHAB-44
1.30% Li_2O over **17.9m** from 141.8m to 159.7m

DHAB-11B
1.57% Li_2O over **13.1m** from 74.0m to 87.1m

DHAB-21
1.33% Li_2O over **8.8m** from 50.0m to 58.8m

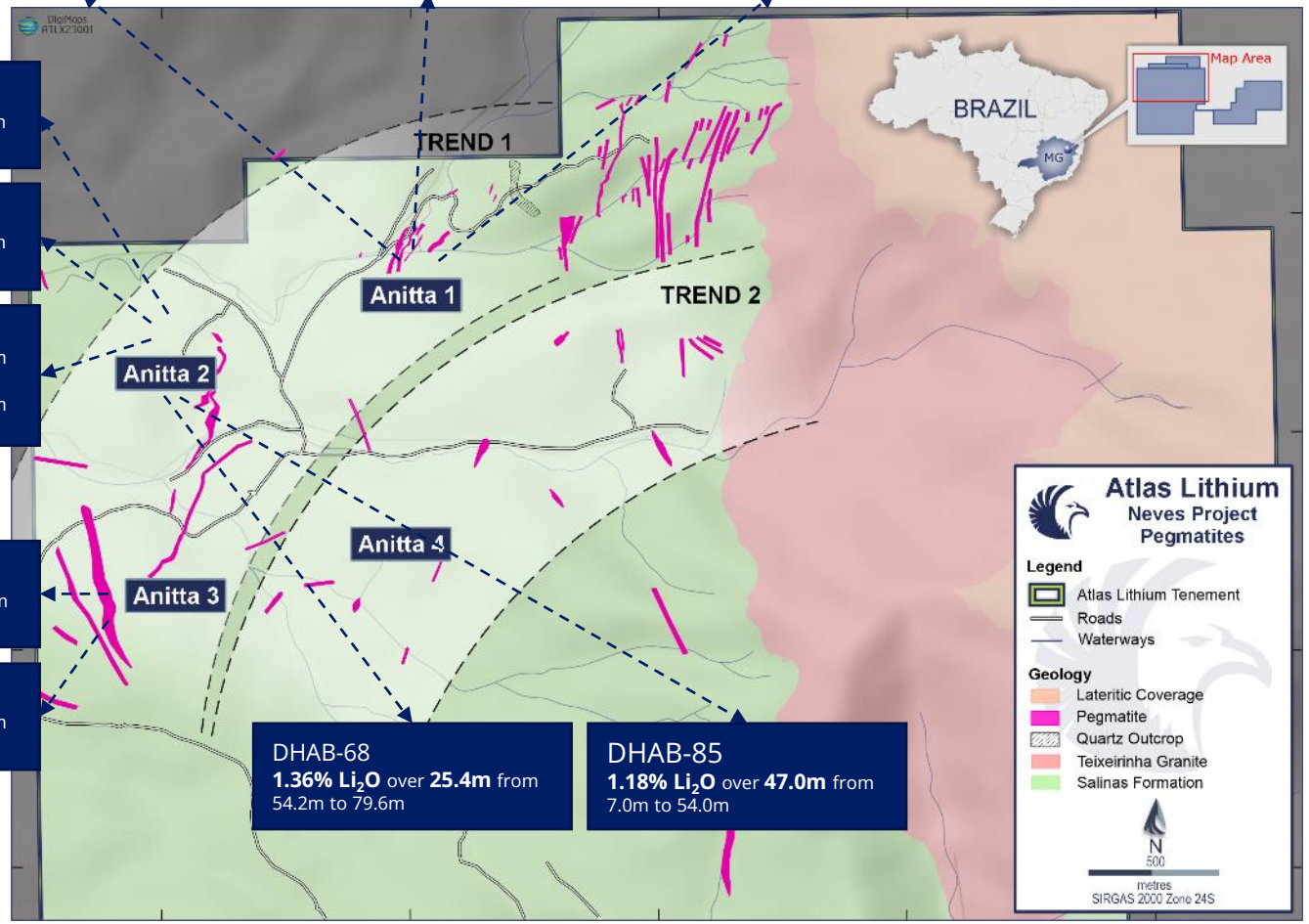
DHAB-145EX
1.09% Li_2O over **73.9m** from 210.0m to 283.8m

DHAB-162
1.13% Li_2O over **77.1m** from 179.0m to 256.1m

DHAB-104
1.18% Li_2O over **11.2m** from 95.4m to 106.6m
1.51% Li_2O over **84.0m** from 113.8m to 197.8m

DHAB-185
1.22% Li_2O over **56.4m** from 7.0m to 63.4m

DHAB-160
2.23% Li_2O over **17.8m** from 216.1 to 233.9m



DHAB-68
1.36% Li_2O over **25.4m** from 54.2m to 79.6m

DHAB-85
1.18% Li_2O over **47.0m** from 7.0m to 54.0m

Anitta 1

Anitta 2

Anitta 3

Lithium Mineralization Highlights

DHAB-185	**1.22% Li_2O** over **56.4m** from 7.0m to 63.4m 2.10% Li_2O over 6.2m from 8.1m to 140.3m 3.16% Li_2O over 4.3m from 16.7m to 21.0m	Anitta 3
DHAB-200	**1.43% Li_2O** over **27.8m** from 64.5m to 92.4m **1.49% Li_2O** over **15.0m** from 192.5m to 207.5m	Anitta 3
DHAB-160	**0.98% Li_2O** over **6.0 m** from 205.4m to 211.4m **2.23% Li_2O** over **17.8 m** from 216.1m to 233.9m 2.71% Li_2O over 14.0 m from 219.1m to 233.1m	Anitta 3
DHAB-206	**1.40% Li_2O** over **6.2m** from 179.2 to 283.42	Anitta 3
DHAB-214	**1.25% Li_2O** over **10.6m** from 144.25m to 154.85m **1.70% Li_2O** over **26.55m** from 158.25m to 184.8m 2.12% Li_2O over 20.0m from 159.25m to 179.25m	Anitta 3
DHAB-211	**1.31% Li_2O** over **14.89m** from 158.92m to 173.81m **1.49% Li_2O** over **4.6m** from 228.7m to 233.3m	Anitta 3
DHAB-208	**1.64% Li2O** over **18.0m** from 67.56m to 85.56m **1.61% Li2O** over **5.71m** from 190.39m to 196.1m	Anitta 3
DHAB-220	**1.34% Li_2O** over **9.72m** from 201.886m to 211.6m	Anitta 3
DHAB-104	**1.18% Li_2O** over **11.2m** from 95.4m to 106.6m 2.26% Li_2O over 2.7m from 97.9m to 100.6m 1.71% Li_2O over 3.2m from 103.4m to 106.6m **1.51% Li_2O** over **84.0m** from 113.8 to 197.8m 2.19% Li_2O over 5.1m from 127.0m to 132.1m 1.95% Li_2O over 13.7m from 137.3m to 151.0m 2.10% Li_2O over 14.6m from 155.0m to 169.6m 2.31% Li_2O over 9.1m from 176.2m to 185.3m	Anitta 2
DHAB-162	**1.13% Li_2O** over **77.1m** from 179.0m to 256.1m 2.71% Li_2O over 14.0m from 219.1 to 233.1m	Anitta 2
DHAB-145EX	**1.09% Li2O** over **73.85m** from 210.0m to 283.8m 1.34%Li2O over 21.0m from 211.0m to 232.0m 2.18%Li20 over 17.0m from 237.0m to 254.0m	Anitta 2
DHAB-85	**1.18% Li_2O** over **47.0m** from 7.0m to 54.0m 2.12% Li_2O over 7.0m from 13.0m to 20.0m 2.23% Li_2O over 10.0m from 24.0m to 34.0m 1.39% Li_2O over 4.0m from 40.0m to 44.0m	Anitta 2
DHAB-68	**1.36% Li_2O** over **25.4m** from 54.2m to 79.6m 2.02% Li_2O over 6.5m from 54.2m to 60.2m 4.40% Li_2O over 0.6m from 60.2m to 60.7m 1.89% Li_2O over 5.0m from 71.5m to 76.5m	Anitta 2
DHAB-47	**2.80% Li_2O** over **9.9m** from 54.2m to 64.1m	Anitta 2
DHAB-77	**1.08% Li_2O** over **3.2m** from 65.8m to 69.0m **1.46% Li_2O** over **14.0m** from 70.0m to 84.0m 2.04% Li_2O over 5.0m from 70.0m to 75.0m	Anitta 2
DHAB-159	**1.27% Li_2O** over **19.7m** from 114.4m to 134.0m	Anitta 2
DHAB-70	**1.16% Li_2O** over **14.9m** from 43.8m to 58.6m **1.20% Li_2O** over **2.4m** from 78.3m to 80.7m	Anitta 2
DHAB-190	**1.10% Li_2O** over **17.4m** from 136.0 to 153.4m 1.75% Li_2O over 3.8m from 139.2 to 143.0m	Anitta 2
DHAB-183	**1.00% Li_2O** over **11.0m** from 247.0m to 258.0m **1.32% Li_2O** over **2.1m** from 261.7m to 263.8m	Anitta 2
DHAB-44	**1.30% Li_2O** over **17.9m** from 141.8m to 159.7m **1.88% Li_2O** over **9.0m** from 150.0m to 159.0m	Anitta 1
DHAB-39B	**1.00% Li_2O** over **9.1m** from 107.4m to 116.6m **1.48% Li_2O** over **9.0m** from 119.2m to 128.2m	Anitta 1
DHAB-15	**1.40% Li_2O** over **15.0m** from 60.5m to 65.5m 1.83% Li_2O over 5.0m from 66.5m to 71.5m	Anitta 1
DHAB-11B	**1.57% Li_2O** over **13.1m** from 74.0m to 87.1m 2.25% Li_2O over 4.0m from 76.7m to 80.8m 2.00% Li_2O over 3.1m from 84.0m to 87.1m	Anitta 1
DHAB-57	**1.46% Li_2O** over **13.0m** from 92.2 to 105.2m	Anitta 1
DHAB-21	**1.33% Li_2O** over **8.8m** from 50.0m to 58.8m	Anitta 1
DHAB-12	**1.35% Li_2O** over **5.0m** from 83.4 to 88.4m	Anitta 1

Highest ESG Standards with Clear Environmental and Social Benefits

Green Process, Product Quality and Ongoing Initiatives Highlights Clear Carbon Footprint Benefits within the Project

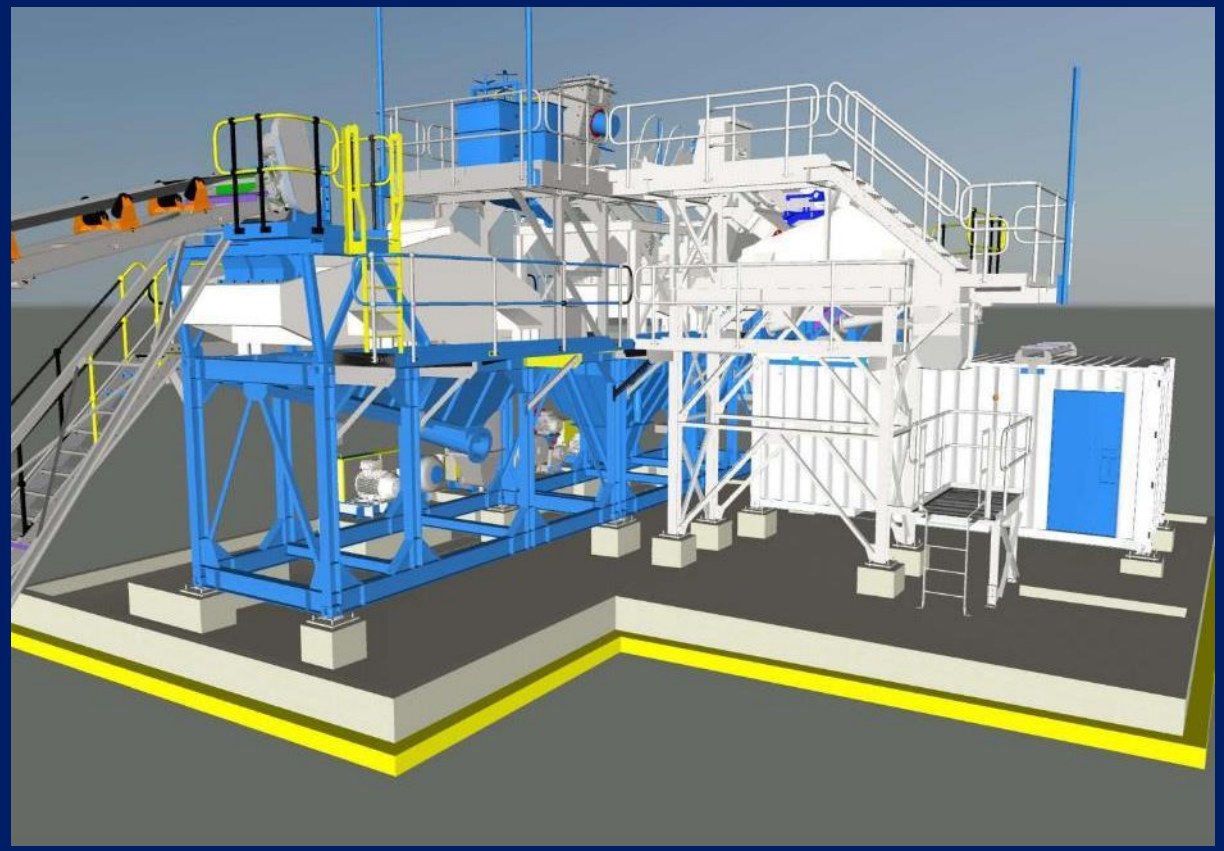
- *Targeting Use of **Renewable Energy Source***
- *100% Dry Process with **No Tailings Dams***
- *Use of **Recycled Water***
- *Concentration Process with **No Hazardous Chemicals***
- *Supply the Battery Industry to **Support Energy Transition Globally***
- ***Planted over 6,000 Trees** of Diverse Types to Benefit Local Population*

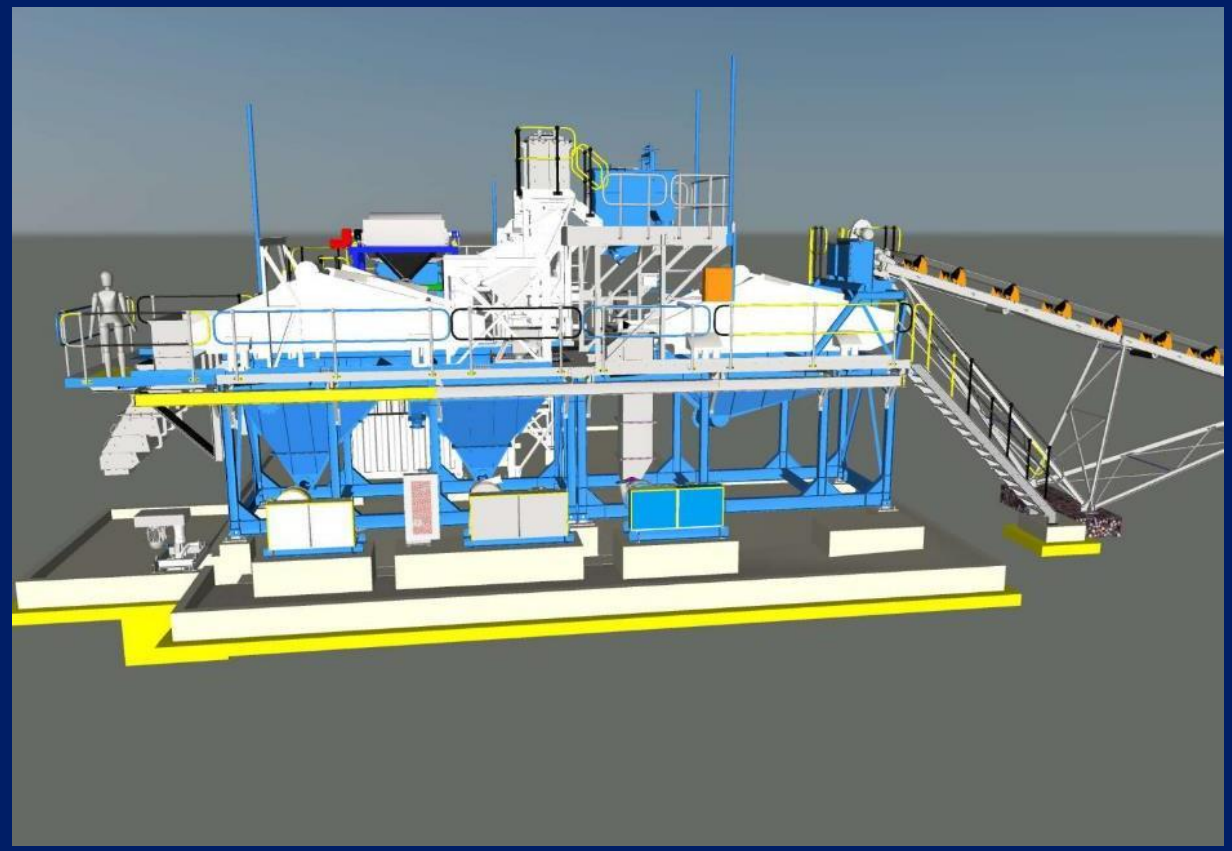
Clear Benefits to the Local Community

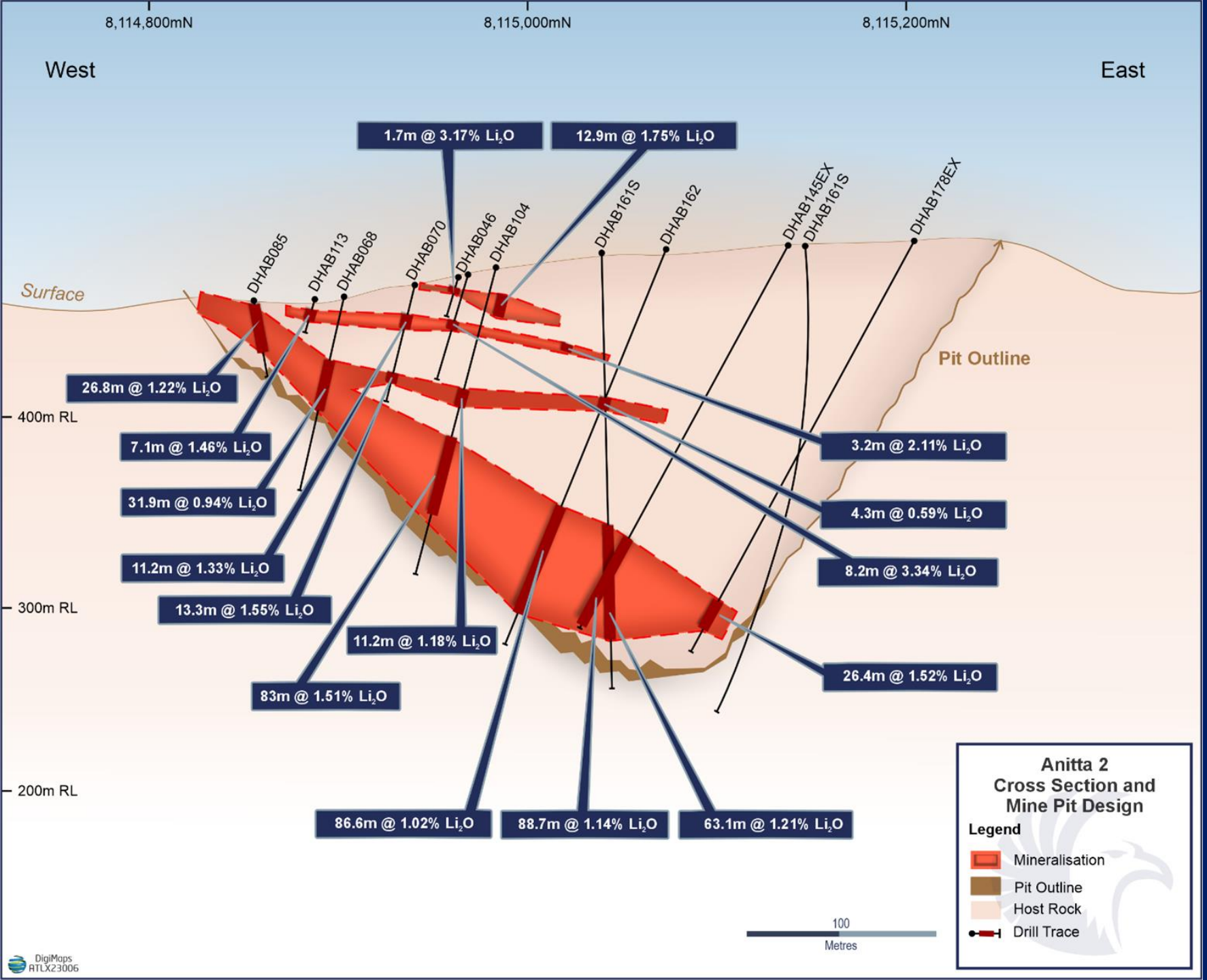
- ✓ *Private and public partnership to support **development of the region, among the poorest in the state of Minas Gerais***
- ✓ ***Creation of jobs** to benefit population of Vale do Jequitinhonha*
- ✓ ***Infrastructure projects** to benefit the Vale do Jequitinhonha **improving living conditions and reducing inequality***

Appendix
Phase I Overview

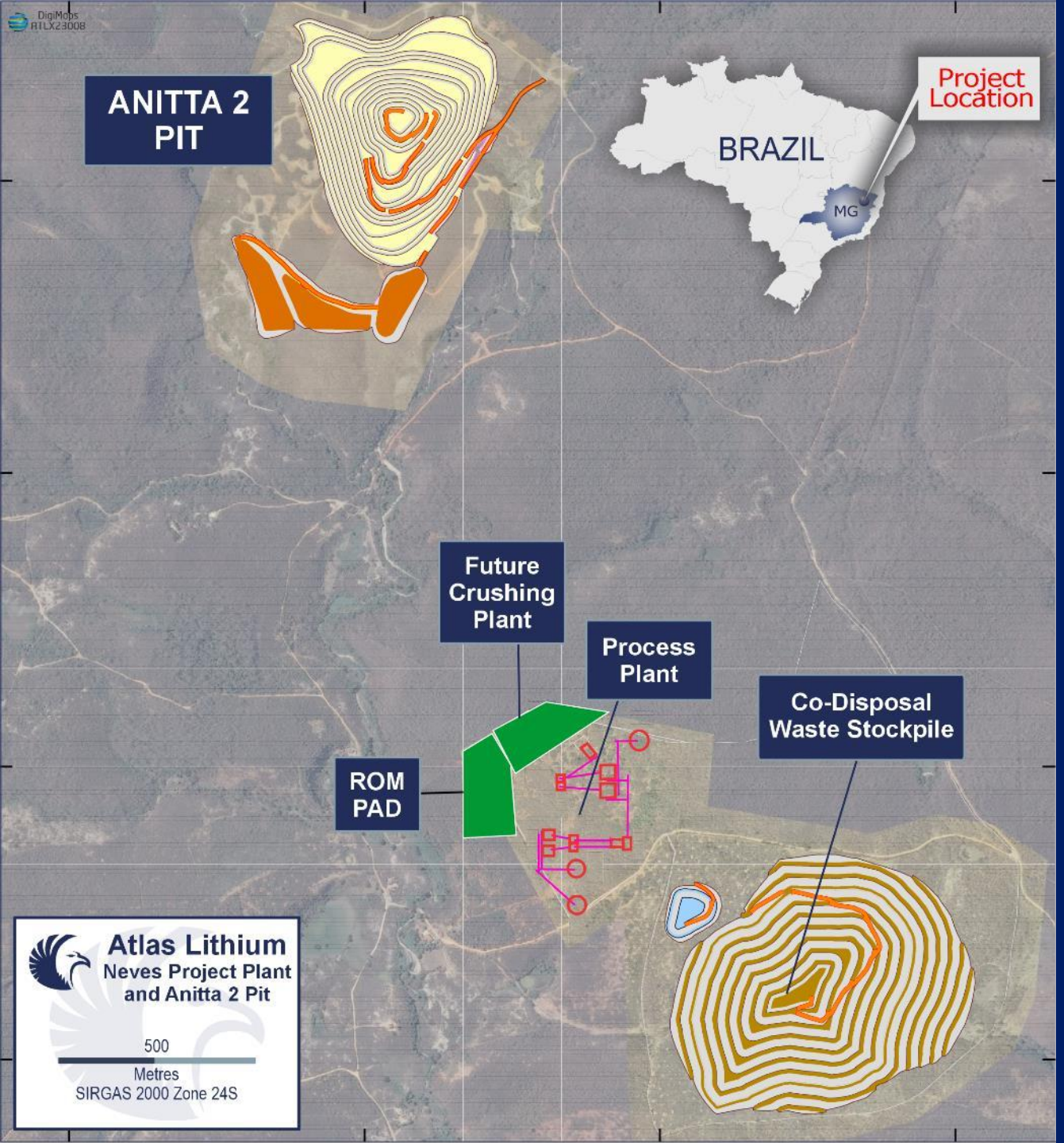
Phase I DMS Plant View







Anitta 2 Cross Section and Pit



Neves Project Processing Plant & Anitta 2 Open-Pit Layout

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