ATLAS LITHIUM

Nasdaq : ATLX

Corporate Overview

October 2025

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.

Unless otherwise indicated, the scientific and technical information in this presentation has been reviewed and approved by Areli Nogueira, who is a Qualified Person for Lithium as such term is defined in Item 1300 of the U.S.'s Regulation S-K. Areli Nogueira is the Vice President of Mineral Exploration for Atlas Lithium. Marc-Antoine Laporte from SGS Canada Inc. (SGS) serves as the Qualified Person for the Definitive Feasibility Study of the Neves Lithium Project, a technical report prepared under Regulation S-K 1300 and filed with the Securities and Exchange Commission as an exhibit to the Company's Form 10-Q on August 4, 2025. SGS is well-known as a global leader in testing, inspection, and certification services for mineral properties and projects.

Key Stock Highlights

	Nasdaq: ATLX
Share Price	*$6.00*
Outstanding Shares	*21,796,378*
Market Cap	*$131M*
52-Week High	*$11.89*
52-Week Low	*$3.54*

Source: Company Financial Reports, FactSet (8-September-2025)

Select Institutional Shareholders

UBS · CITADEL · WARATAH · Invesco · SIG SUSQUEHANNA · EXODUSPOINT · MARSHALL WACE · RBC

Analyst Coverage

Firm	Analyst	Recommendation	Target Price (US$)
AGP	Jake Sekelsky	Buy	20.00
HCW H.C.WAINWRIGHT&CO.	Heiko F. Ihle	Buy	19.00

Summary Highlights of Minas Gerais Lithium Project

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1. ***Positioned to Become a Very Low-Cost Producer*** – *Open-pit mining, projected OpEx of only $489/ton of lithium concentrate produced*
2. ***Expedited Timeline to Production*** – *Permits in place, fully-paid $30M dense media separation plant already in Brazil, Definitive Feasibility Study published, project implementation starting*
3. ***Largest Hard-Rock Lithium Exploration Portfolio in Brazil*** – *Premier lithium jurisdiction with high-quality spodumene and favorable infrastructure*
4. ***Strong Metallurgical Results*** – *Proven potential for high-quality lithium concentrate*
5. ***Incentivized Management Team*** – *Management owns ~26% of the company; fully aligned for success*
6. ***Committed Offtake Pre-Payments*** – *Tier 1 lithium supply chain buyers sourcing product*

Key DFS Production Metrics

- ✓ The DFS demonstrates that the Neves Project has significantly lower expected costs (CapEx and OpEx) compared to similar projects
- ✓ Open-pit mining with spodumene located near the surface and high-quality, low-impurity material are the primary drivers of these reduced costs
- ✓ Key DFS financial projections include:

$539M After-Tax NPV	**11-Months Payback Period**
145% After-Tax IRR	**$489/ton Product Cost**

Key Assumptions and Operational Metrics[1]

- **Average SC5.5 Annual Production: 146kt**
- **Direct CapEx: $57.6M**
- **Initial Life of Mine (LOM): 6.5 years**
- **LOM Ore Processed: 7,253k tons**
- **Average Plant Throughput per Year: 1.1M tons**
- **LOM Average Li_2O Grade: 1.17%**

[1]*For detailed model assumptions, please refer to the Definitive Feasibility Study, which is presented as an exhibit to the Form 10-Q filed with the SEC on August 4, 2025*

Strategic Partnerships with Tier 1 Global Partners

Dec-23

Strategic Investment and Pre-payment Offtake Agreement with Chengxin / Yahua

盛新锂能 CHENGXIN LITHIUM — ***BYD supplier***

YAHUA — ***Tesla supplier***

$10M	$40M	120k[1]
In common shares acquired *(received)*	***Prepayment for the offtake of 80% of phase 1*** *(expected)*	***Phase 1 lithium concentrate offtake***

Mar-24

Strategic Investment and Offtake Agreement with Mitsui & Co.

MITSUI & CO. — ***Global powerhouse; largest shareholder of Mitsui is Warren Buffett's Berkshire Hathaway***

$30M	15k[2]	60k[3]
In common shares acquired *(received)*	***Phase 1 lithium concentrate offtake***	***Phase 2 lithium concentrate offtake***

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Large global partners validate Atlas Lithium's business model, assets, and team

$80M in Total Investment:

- **$40M in Atlas Lithium stock purchases** (received)
- **$40M in lithium product pre-payment** (expected)

Note: [1]Total amount of lithium divided equally between partners (60k tons yearly for each for five years). [2]One-time sale [3]Yearly, for a period of five years

Neves Project Has Already Received All Permits Needed to Assemble its Processing Plant and Operate

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The permit allows for the assemble and operation of its lithium processing plant, to process mined ore from one of its deposits at the facility, and to sell the lithium concentrate that it produces

Sep-23	Sep-24	Oct-24
Initial Permitting Application with the State of Minas Gerais	*Technical Recommendation of Approval by Environmental Foundation of Minas Gerais*	*Permitting Approval by the State of Minas Gerais*

Permitting approval in just over year demonstrates management efficiency and capability in navigating in government approval processes

Marc Fogassa
Chairman & CEO

"We are thrilled with today's announcement, as permitting is widely considered the most critical risk in any mining project. Atlas Lithium's permit reflects fourteen months of our team's meticulous work throughout the licensing process (…). This milestone marks a key step for us towards becoming a lithium producer and advances Atlas Lithium into the next phase of our growth trajectory"

Rodrigo Menck
Director

"We are committed to being a responsible corporate citizen for all our stakeholders. With the news provided today, and as the Neves Project proceeds towards implantation and operation, Atlas Lithium will create hundreds of local jobs in the Vale do Jequitinhonha area of Minas Gerais. Additionally, our lithium processing plant is engineered to possibly achieve the smallest environmental footprint in its class"

Source: Company's Filings

Experienced Management Team

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Marc Fogassa
Chairman & CEO

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

Eduardo Queiroz
VP, Engineering & PMO

- ✓ Over 20 years of experience managing complex, large-scale mining projects
- ✓ Previously General Manager of Planning and Management at Bamin (Eurasian Resources Group), managing projects over US$3 billion
- ✓ Expertise in engineering oversight, environmental compliance, and risk management

Tiago Miranda
CFO & Treasurer

- ✓ 18-yr experience in finance/accounting
- ✓ Previously Financial Controller of Ferrous Resources ($550M M&A with Vale) and Equinox Gold Brazil; Finance Director of Horizonte Minerals ($650M Project Finance)

Joel Monteiro, Esq.
VP, Admin; Head of ESG

- ✓ Expert in advancing our projects with mining regulators and communities in Brazil
- ✓ Prior head of business law for mid-size law firm
- ✓ Member of the Mineral Right Commission of the Minas Gerais Chapter of Brazil's Bar Association

Areli Nogueira
VP, Mineral Exploration

- ✓ Founder and former Chief Technical Officer of MineXplore
- ✓ Analyst at the Brazilian mining department

Lili Wu
Head of Bus Dev, Asia

- ✓ Over seven years of experience in the lithium and battery materials industry
- ✓ Previously Global Principal Lithium Analyst at IHS Markit (now part of S&P Global)
- ✓ Native Mandarin Chinese speaker with extensive networks across Asian markets

World-Class Technical Leadership

Eduardo Queiroz
VP, Engineering & PMO

- ✓ Over 20 years of experience managing complex, large-scale mining projects
- ✓ Previously General Manager of Planning and Management at Bamin (Eurasian Resources Group), managing projects over US$3 billion
- ✓ Expertise in engineering oversight, environmental compliance, and risk management

Raimundo Almeida
VP, Lithium Processing

- ✓ 14 years of hands-on experience with lithium ores
- ✓ Managed first flotation pilot plant for AMG Mining
- ✓ Oversaw commissioning and operations of DMS pilot plant for Sigma Lithium

James Schloffer
Lithium Processing Manager

- ✓ 15 years of experience in mining and metals industry, specializing in lithium processing
- ✓ Key roles in major lithium projects including Mt Marion, Bald Hill, and Sigma Lithium
- ✓ Global experience spanning Middle East, Americas, Europe, and Australia

Board of Directors

Marc Fogassa
Chairman & CEO

Rodrigo Menck
Director

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

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

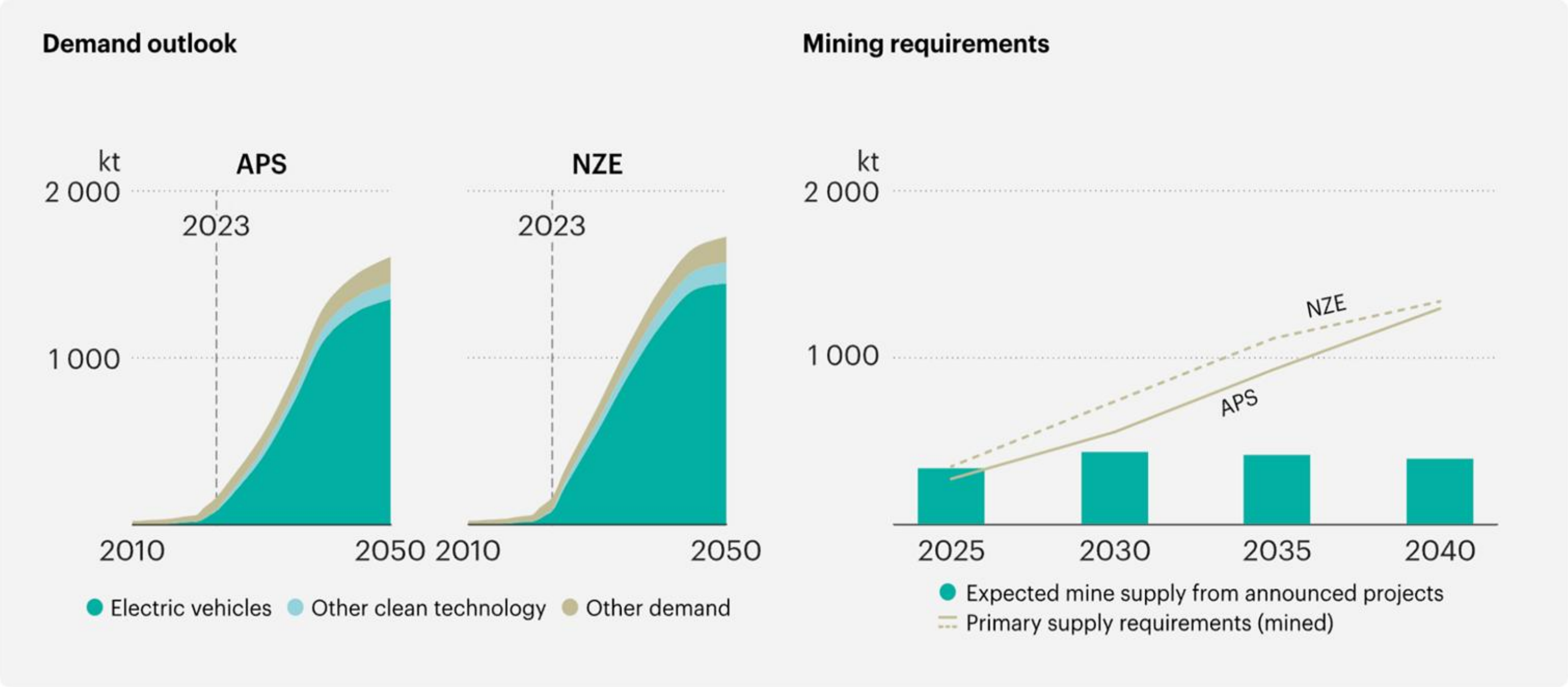
Stephen Petersen, CFA
Independent Director

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

Favorable Structural Fundamentals Supporting Lithium Demand

Lithium Demand

Source: International Energy Agency (May 2024)

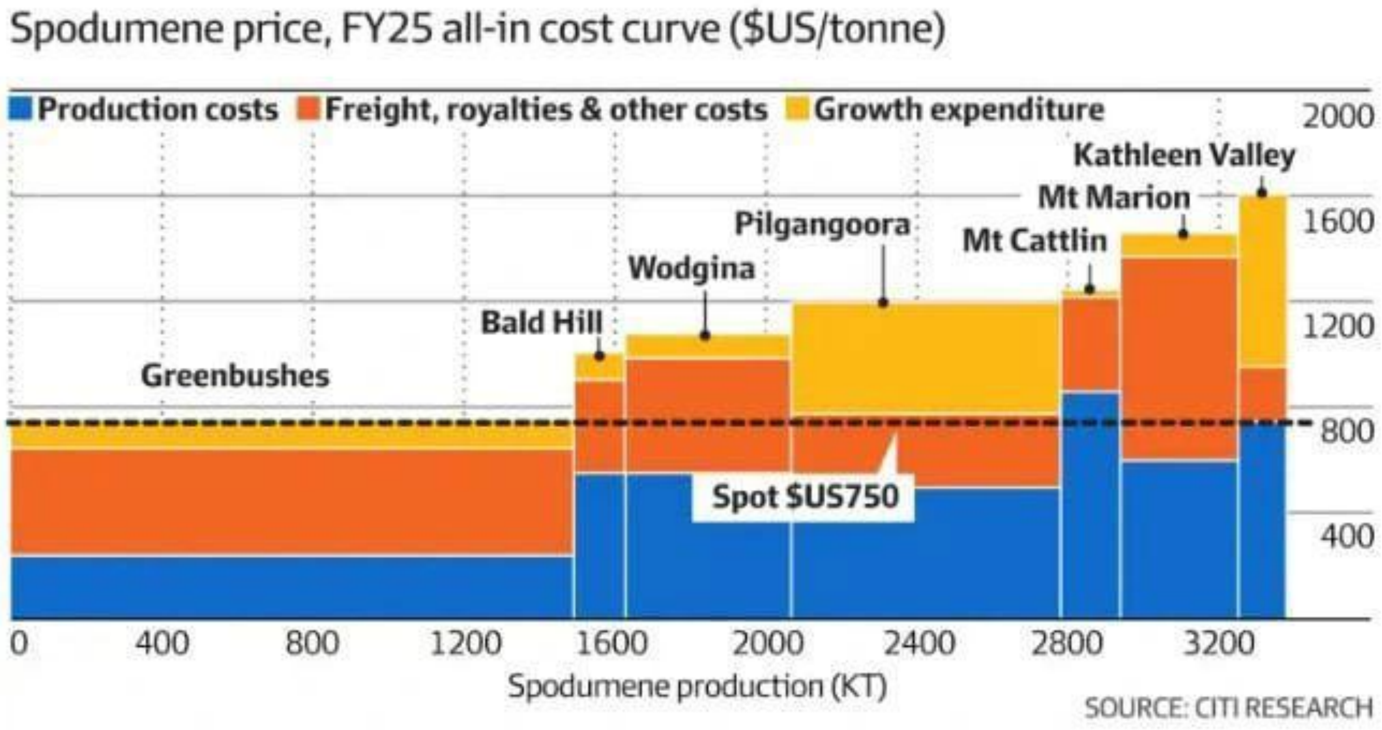


Milestones (APS)	2021	2023	2030	2040
Cleantech demand (kt)	**38**	**92**	**442**	**1 203**
Other uses (kt)	63	73	90	123
Total demand (kt)	**101**	**165**	**531**	**1 326**

Source: Nasdaq; International Energy Agency (IEA); BloombergNEF; McKinsey & Company; Reuters; Woodmack;

- McKinsey and the Global Battery Alliance forecast a 27% compound annual growth rate (CAGR) on demand for Lithium-ion batteries, reaching 4,700 GWh by 2030
- Woodmack forecasts USA EV sales will grow 643% from 2022 to 2030
  - ✓ Will more than double its participation in global EV sales (9.0% to 18.5%)

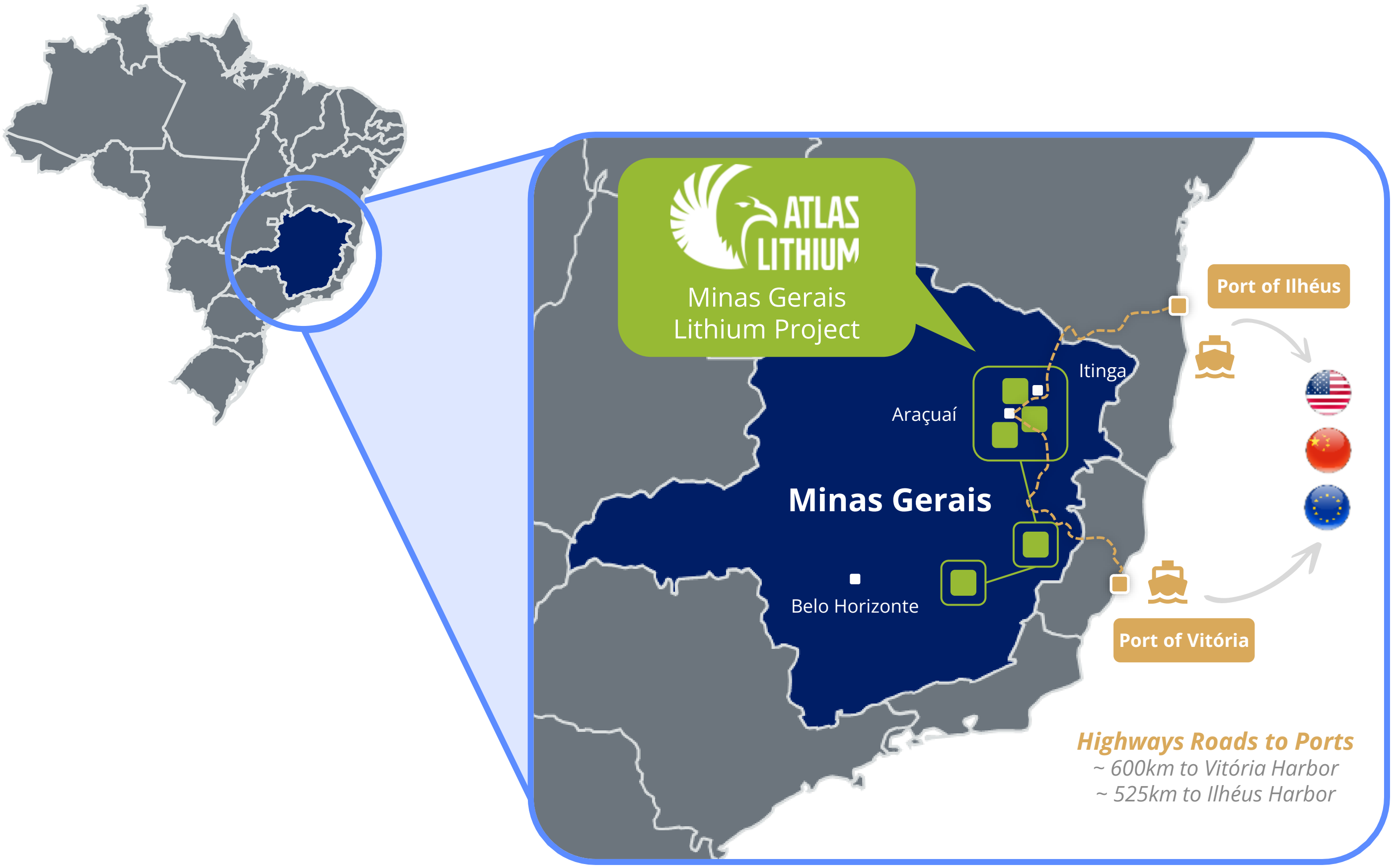
Low-Cost Production: Key to Long-Term Success



- Atlas Lithium holds several promising deposits one of which is projected to have production costs of $489/ton
- Brazil's advantages include year-round mining operations, lower labor costs, and a supportive government
- Brazil's lithium industry outperforms Australian producers on costs; Pilbara Mineral’s $370M acquisition of a Brazilian lithium explorer in August 2024 highlights our region's importance

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*
- ✓ *Near the operational lithium mines in the region*

Licensing Fast Track to Speed up Project Execution – Atlas with Permits in Place

- ✓ *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

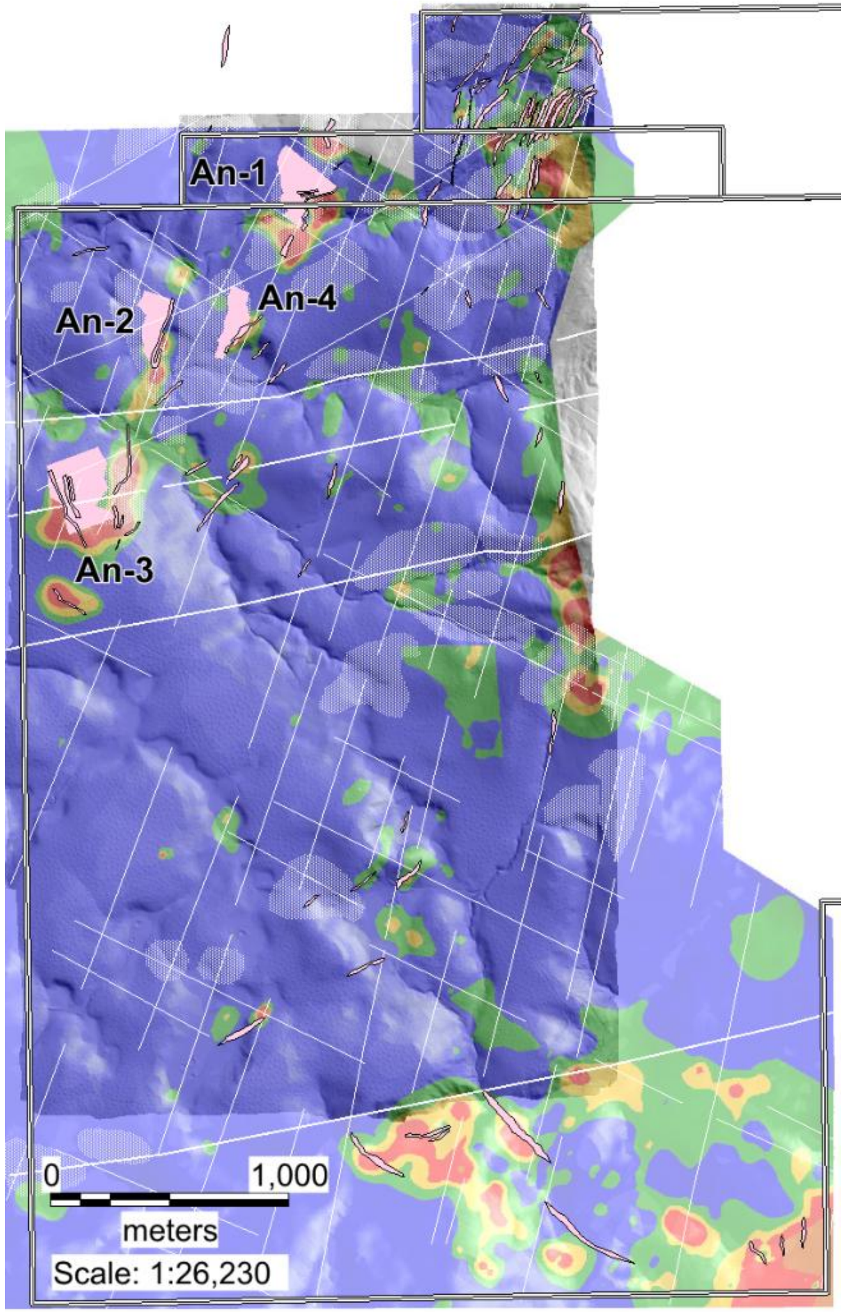
Highest ESG Standards with Clear Environmental and Social Benefits

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***



Soil sampling lithium anomaly map in relation to mapped pegmatites (pink), the mineralized Anitta pegmatites, topography, and structural geophysics data.

Exploration Upside at Neves Project

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

84 pegmatite outcrops have been mapped and sampled

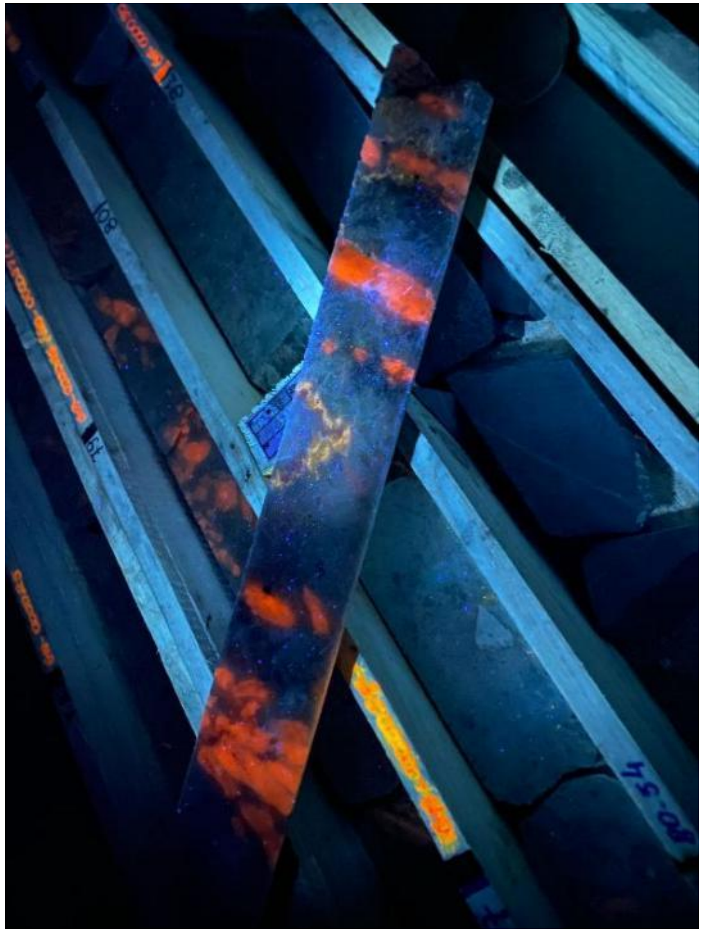
The Project Area has now been covered by:

- Detailed hyperspectral satellite and drone LiDAR mapping to aid in faster pegmatite discovery;
- Geological mapping and rock sampling, including K/Rb ratio analysis, to improve target prioritization;
- Closely spaced soil sampling grids, with over 4,500 samples taken to date, to highlight Li (>100ppm threshold) and LCT pegmatite pathfinder anomalies for drill testing;
- High-resolution drone geophysics surveys, including magnetics and radiometrics, to assist with mapping and drill targeting.

Expansion Frontier: 100%-Owned Salinas Project

High-Quality Initial Drilling Results – 100% Intersect Rate

Three Initial Drill Holes All With Positive for Near-Surface Mineralization (UV test & Geochemistry)



Atlas Lithium Owns ~30% of Atlas Critical Minerals (OTCQB: JUPGF)

Investment Highlights

Largest Portfolio of Critical Minerals

- Controls 218,000+ hectares of mineral rights in Brazil:
  - Rare Earths
  - Titanium
  - Graphite
  - Uranium
  - Copper
  - Nickel
  - Iron Ore

High-Quality Project Pipeline

- High-potential rare earths project located in the state of Minas Gerais
- Samples with grades up to 28,870+ ppm TREO
- Multiple projects advancing simultaneously across various commodities

Favorable Geopolitics

- China processes 90%+ of all rare earths
- China stopped sale of rare earths to the U.S. as retribution for tariffs
- The U.S. defence sector is highly dependent: e.g., a submarine hull uses 4 tons of rare earths

Team with Proven Track Record

- Team with extensive Brazilian mining expertise
- Demonstrated ability to advance projects from exploration to production

Early Revenue Generation

- Iron ore operation expected to generate revenues in 2025
- Quartzite operation generates revenue with up to 35% margins (2024)
- Cash flow from the above mines defray exploration costs for critical minerals

Investor Relations

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