ATLAS LITHIUM

NASDAQ: ATLX

The Next Lithium Producer in Brazil

Brief Corporate Presentation

December 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.

Corporate Snapshot

$4.03	26,568,505	$107M
Share Price	Outstanding Shares	Market Cap

Analyst Coverage

Firm	Analyst	Recommendation	Target Price (US$)
AGP	Jake Sekelsky	Buy	20.00
HCW H.C. WAINWRIGHT & CO.	Heiko F. Ihle	Buy	12.00

Select Institutional Holders

MITSUI & CO. · UBS · CITADEL · Invesco · SIG SUSQUEHANNA · EXODUSPOINT · MARSHALL WACE · RBC

3 LITHIUM

Investment Highlights

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 DMS processing plant already in Brazil, Definitive Feasibility Study published

3. **Largest Lithium Exploration Portfolio in Brazil** – Premier lithium jurisdiction with high-quality spodumene and favorable infrastructure

4. **Incentivized Management Team** – Management owns ~24% of the company; fully aligned for success

5. **Committed Offtake Pre-Payments** – Tier 1 lithium supply chain buyers sourcing product

6. **28% Ownership in Atlas Critical Minerals** – High-quality projects in rare earths, titanium, graphite and uranium

Tier 1 Strategic Global Partners

MITSUI&CO.

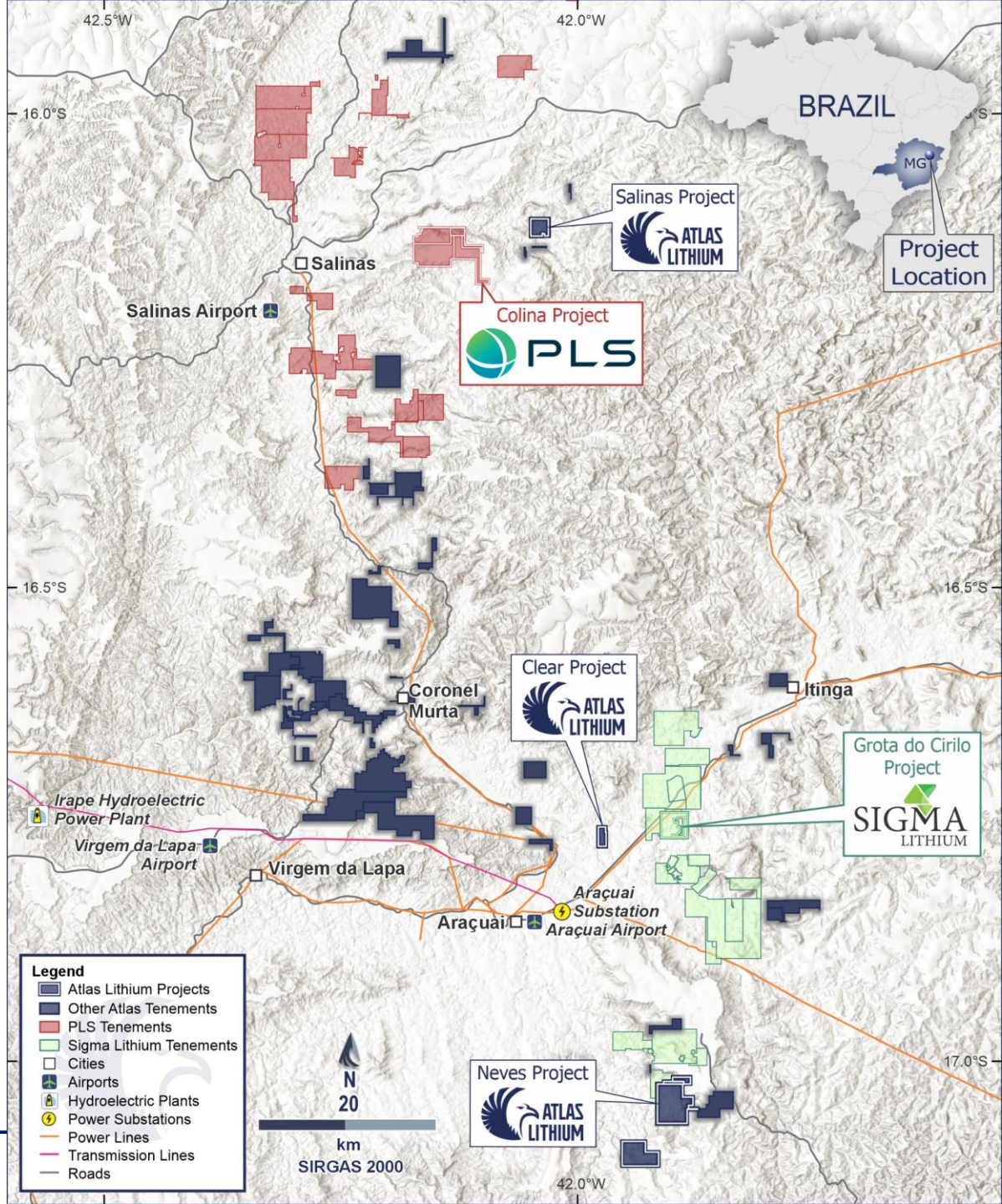
盛新锂能 CHENGXIN LITHIUM

YAHUA

Mitsui	Chengxin	Yahua
► Global powerhouse	► BYD supplier	► Tesla supplier
► $30M in ATLX common shares acquired (completed)	► $5M in ATLX common shares acquired (completed)	► $5M in ATLX common shares acquired (completed)
► 15k tons Phase 1 lithium concentrate offtake (one-time sale)	► $20M prepayment for the offtake (expected)	► $20M prepayment for the offtake (expected)
► 60k tons Phase 2 lithium concentrate offtake (yearly, for 5 years)	► 60k tons Phase 1 lithium concentrate offtake (yearly, for 5 years)	► 60k tons Phase 1 lithium concentrate offtake (yearly, for 5 years)

Brazil's Lithium Valley

- Atlas Lithium's **Neves Project** is located in Brazil's Lithium Valley, a premier lithium jurisdiction with high-quality spodumene deposits, efficient permitting process, and favorable infrastructure
- Atlas Lithium holds the largest lithium exploration portfolio in Lithium Valley with **557 km² of lithium mineral rights** – almost 3 times larger than Sigma Lithium's holdings -- providing substantial resource potential
- Upcoming regional expansion at the 100%-owned **Salinas Project**, located adjacent to the recently acquired Colinas Project (acquired by Pilbara Minerals for $370M in August 2024)
- Additional regional expansion target at the **Clear Project**, positioned in close proximity to Sigma Lithium's flagship producing mine (Grota do Cirilo), has demonstrated highly promising initial geological exploration data



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

- 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%**

Neves Project - CapEx & OpEx

DIRECT CAPITAL EXPENDITURES SUMMARY

Item	CapEx (USD Million)	% Breakdown
DMS Plant Installation	12.15	21%
Earth Works	9.45	16%
Mining	6.90	12%
Crushing Area	6.89	12%
Civil Works	6.25	11%
Contingency	3.77	7%
Building Construction	3.52	6%
MV Subs & Automation	2.78	5%
Other Items	1.76	3%
Shipping	1.65	3%
Generators	1.34	2%
Commissioning	1.09	2%
Total	**57.56**	**100%**

OPERATING COSTS SUMMARY

Item	Unit Cost (USD/t of SC5.5)	% Breakdown
Mining Ops	288.0	59%
Plant Ops	92.4	19%
G&A	51.6	11%
Freight	41.9	8%
Crushing	14.6	3%
Total	**488.5**	**100%**

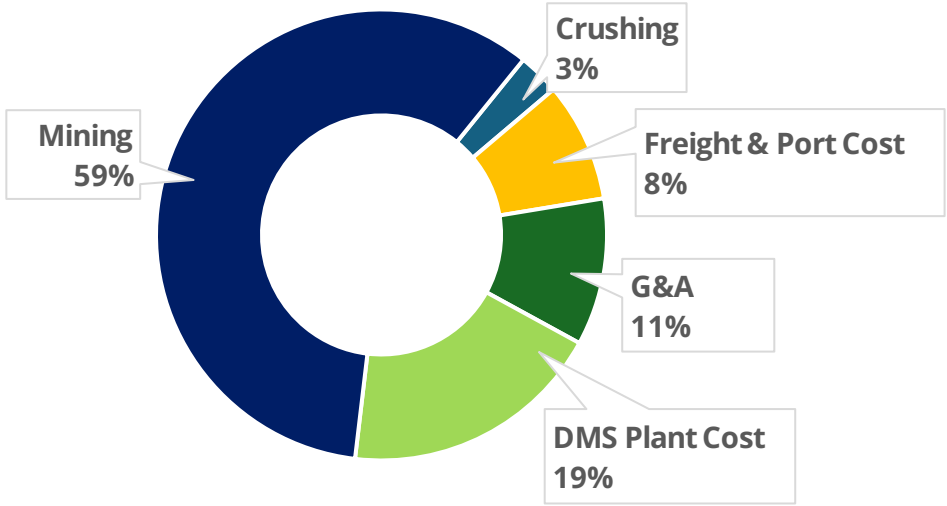
CapEx Assumptions:

- Over 80% already quoted in firm proposals
- Corporate Costs USD 14.2M

OpEx Assumptions:

- Operation costs quoted in firm proposals (Mine, Crushing, Freight, etc)
- G&A high level RH studies

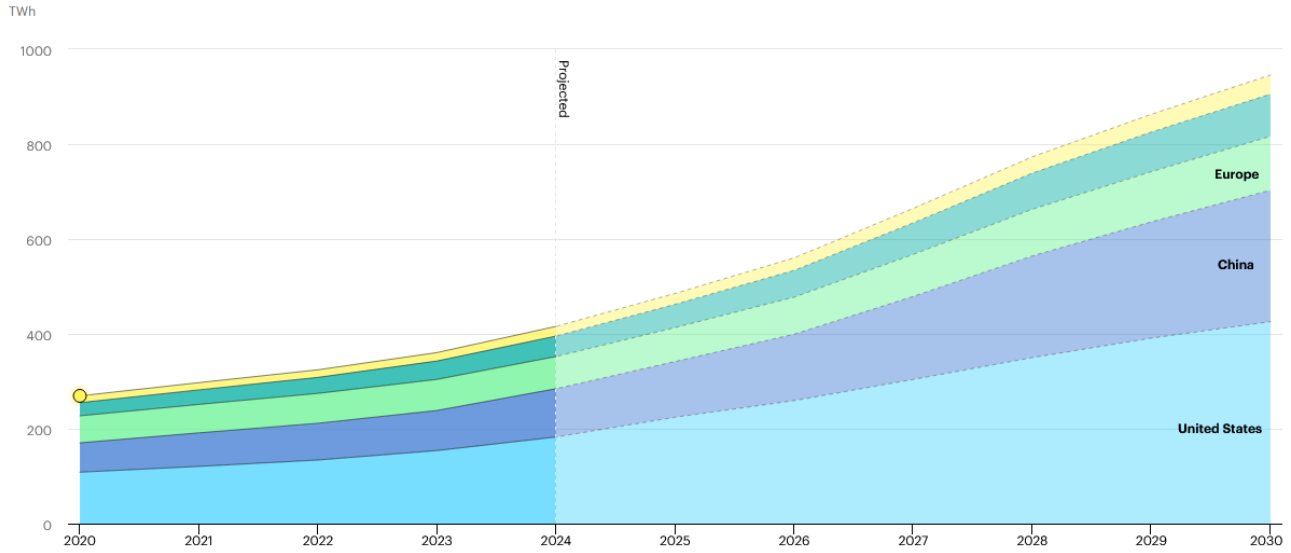
Unit Cost (USD/t of SC5.5)

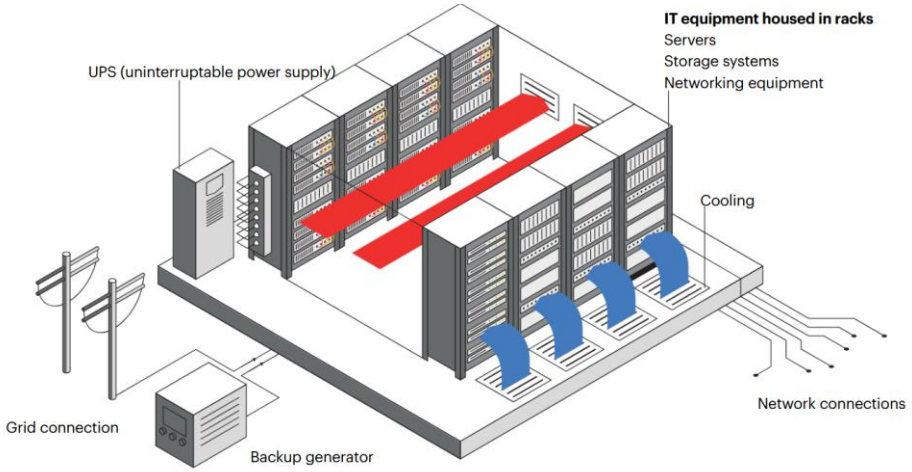


Lithium Demand: Data Centers ESS & EVs

- *"Energy Storage Systems, or ESS, are in vogue, thanks to policy tailwinds in China and stronger momentum worldwide for equipment that can stabilize electricity grids and support surging demand from the data centers that power artificial intelligence."* **- Bloomberg News, "Lithium Prices Boosted by China's Policy Drive on Energy Storage," October 29, 2025**
- EVs will grow from 25% market share (2025) to over 40% by 2030, with annual sales doubling from 22 million to 45 million units **- International Energy Agency, "Global EV Outlook 2025," May 2025**

IEA: Data center electricity consumption by region, Base Case, 2020-2030





United States China Europe Asia excluding China Rest of world

https://www.iea.org/data-and-statistics/charts/data-centre-electricity-consumption-by-region-base-case-2020-2030

Experienced Management Team

Marc Fogassa
Chairman & CEO

- Fluent in Portuguese, the language of Brazil, where projects are located
- Prior 10 years of experience in U.S. Venture capital
- MIT, double-major undergraduate; Harvard MBA

Eduardo Queiroz
VP, Engineering & PMO

- Over 24 years of experience managing complex, large-scale projects
- Previously General Manager of Planning and Management at Bamin (Eurasian Resources Group), managing projects over US$3 billion

Tiago Miranda
CFO & Treasurer

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

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

- Leason to government and communities
- 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, a Brazilian mineral right database
- Analyst at the Brazilian mining department
- Two degrees (Geology and Mining Engineering) from top mining college in Brazil (Federal Univ. Of Ouro Preto)

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

Board of Directors

Marc Fogassa
Chairman & CEO

Rodrigo Menck
Director

- Previously CFO of Sigma Lithium and Nexa Resources
- ~20 years of experience in the Financial Markets and Natural Resources

Amb. Roger Noriega
Independent Director

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

Cassi Olson, Esq.
Independent Director

- Extensive experience in global contracts and venture transactions
- Experienced securities attorney

Stephen Petersen, CFA
Independent Director

- 2nd longest Portfolio Manager at Fidelity (32 years) at multiple funds
- Managing director at Prior Wealth, $3B AUM

Brazil – Highly Favorable Mining Jurisdiction

STRATEGIC MINERALS FOCUS

Brazilian government supports development of critical minerals projects

EFFICIENT PERMITTING

Atlas Lithium has earned the fast-track permitting designation from the State of Minas Gerais

MINING-FRIENDLY JURISDICTION

Well-established mining regulation and tenement system with over 300 operating mines in the State of Minas Gerais

FAVORABLE TAX STRUCTURE

15% effective corporate tax rate available under SUDAM regional development program, significantly lower than standard Brazilian rates

LOCAL COMMUNITY BENEFITS

Mining royalties distributed with 65% to municipal governments, 23% to state, and 12% to federal, ensuring direct local economic impact

CLEAN ENERGY INFRASTRUCTURE

80%+ of Brazil's electricity generated from renewable sources, primarily hydroelectric, supporting low-carbon mining operations

Neves Project - Environmental & Social Responsibility

Status of Main Licenses and Permits

Installation License Plant & Anitta 2 Pit	Mining Concession	Water Use Right	Authorization for Vegetation Clearance	Expansion Environmental License
Granted	Granted	Granted	Granted	Ongoing
100%	100%	100%	100%	90%

Economic and Sustainable Development Highlights

- Atlas will create 237 direct jobs, primarily for operation of its processing plant; mining operations will be outsourced
- It is estimated that ~3,000 indirect jobs will be created, with a strong focus on hiring local workforce
- 100% dry-stacking processing; no tailings dam required
- Increase in tax revenues at federal, state, and municipal level after revenues start; Atlas will pay 2% royalties
- Atlas' processing plant will operate with approximately 95% water recirculation
- Environmental offsets within conservation units and restoration of degraded areas

Neves Project - Strong Community Support

Easter Children Event

Local Church Restoration

Christmas Community Celebration

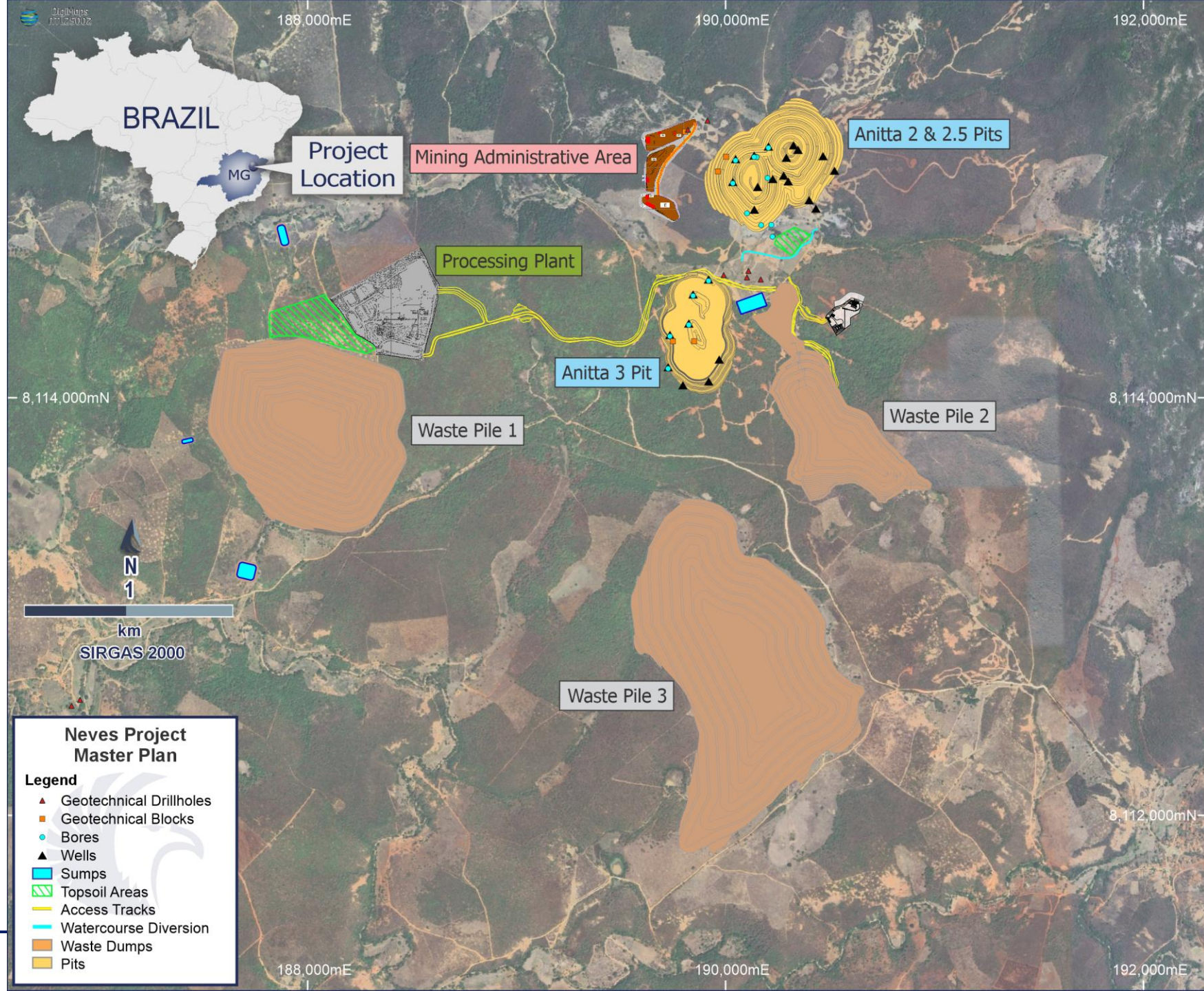
Housing Construction for Teachers

Environmental Educational Event

School Renovation; Other Infrastructure Improvements

Neves Project - Master Plan

- The Neves Project integrates advanced geological and block models with pit designs developed in partnership with Prominas, optimizing operational sequencing across three mining pits (Anitta 2, Anitta 3, and Anitta 2.5) strategically positioned within 1.5 km of each other for maximum efficiency
- Integrated waste management strategy with three designated waste pile locations to minimize environmental impact and optimize site logistics throughout the mine life



Neves Project - Metallurgical Testwork Summary

Process route definition tests, including comprehensive variability testing, supported by industry experts

DMS testwork performed at SGS Canada with a 153 kg composite sample, include:

- Bond ball mill (BWI) grindability tests
- Bond abrasion (AI) tests
- Heavy liquid separation (HLS) testwork at two crush sizes of -9.5 mm and -12.7 mm
- Flotation testwork to fine material
- HLS testwork to recovery middlings floats

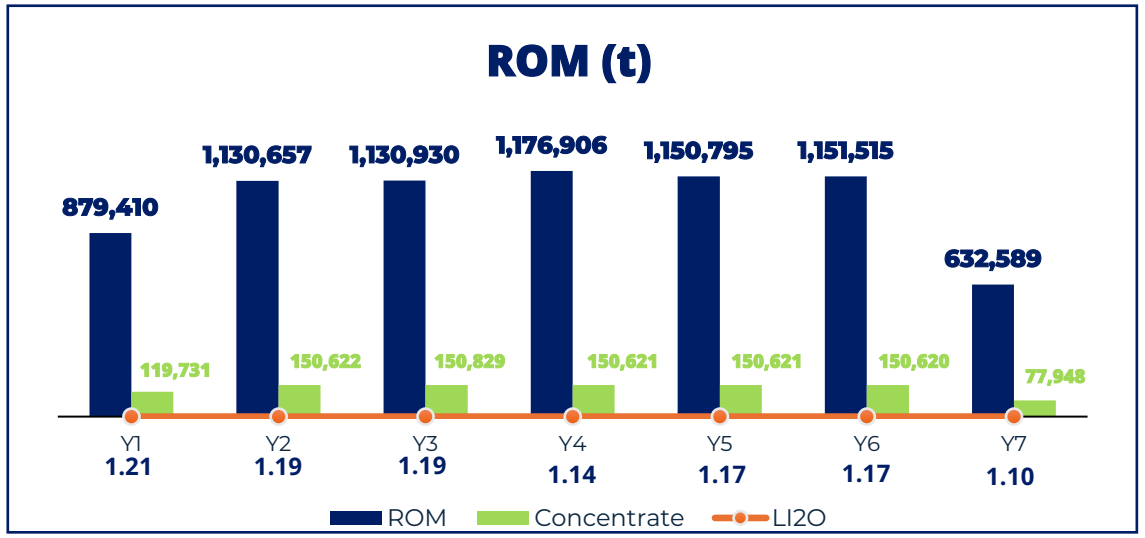
38 HLS tests performed across all identified ore bodies — Anitta 1, Anitta 2, Anitta 2.5, Anitta 3, and Anitta 4 — at SGS

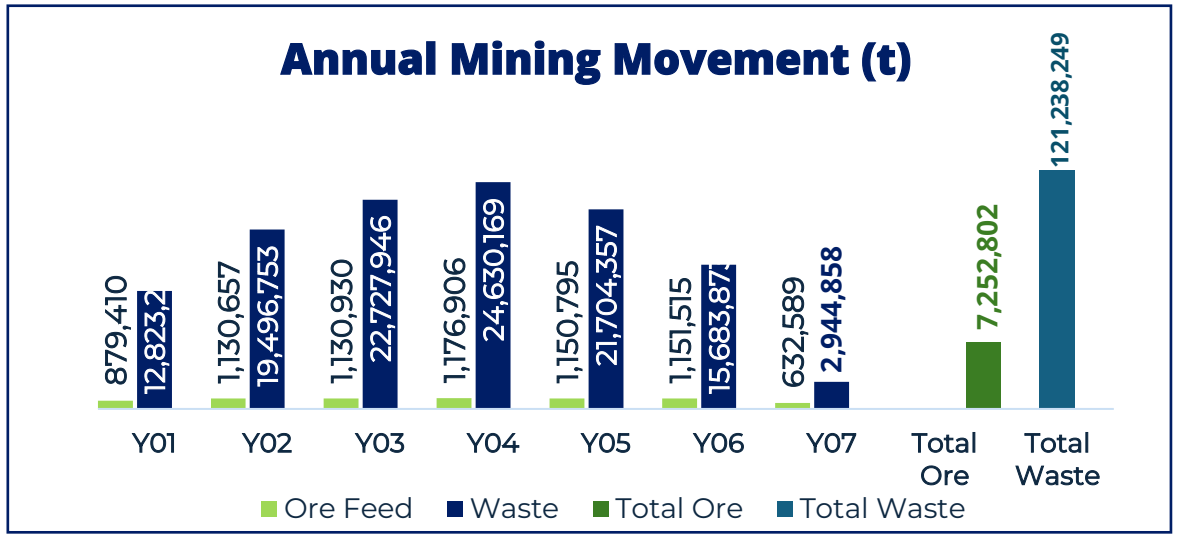
Sedimentation and filtration tests carried out at PESCO

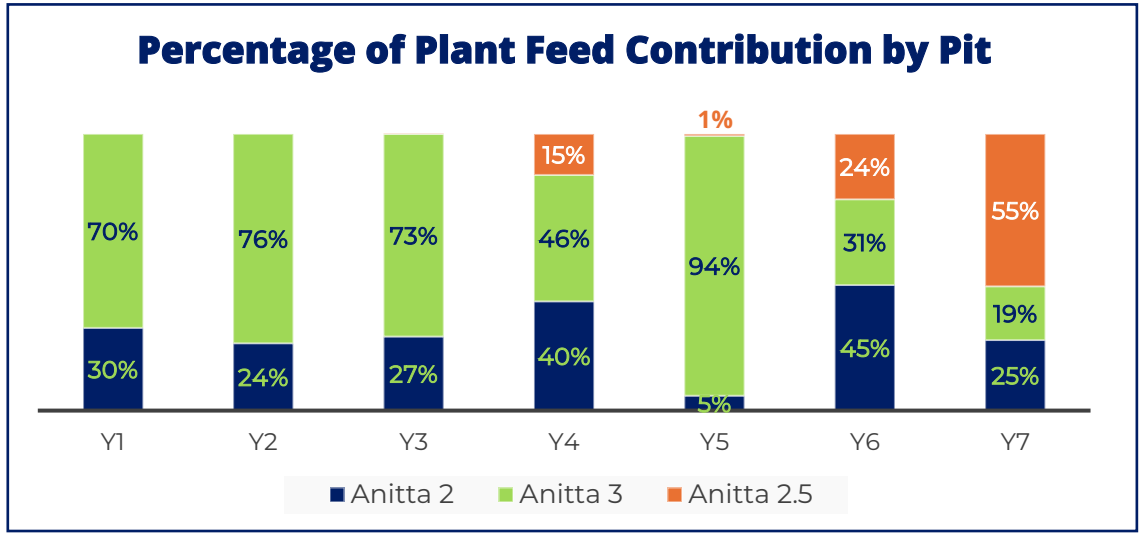
XRD analyses performed at SGS Brazil, SGS Canada, and PESCO

DMS testwork and middlings recrushing tests carried out at PESCO

Neves Project – Mining Operations Dashboard



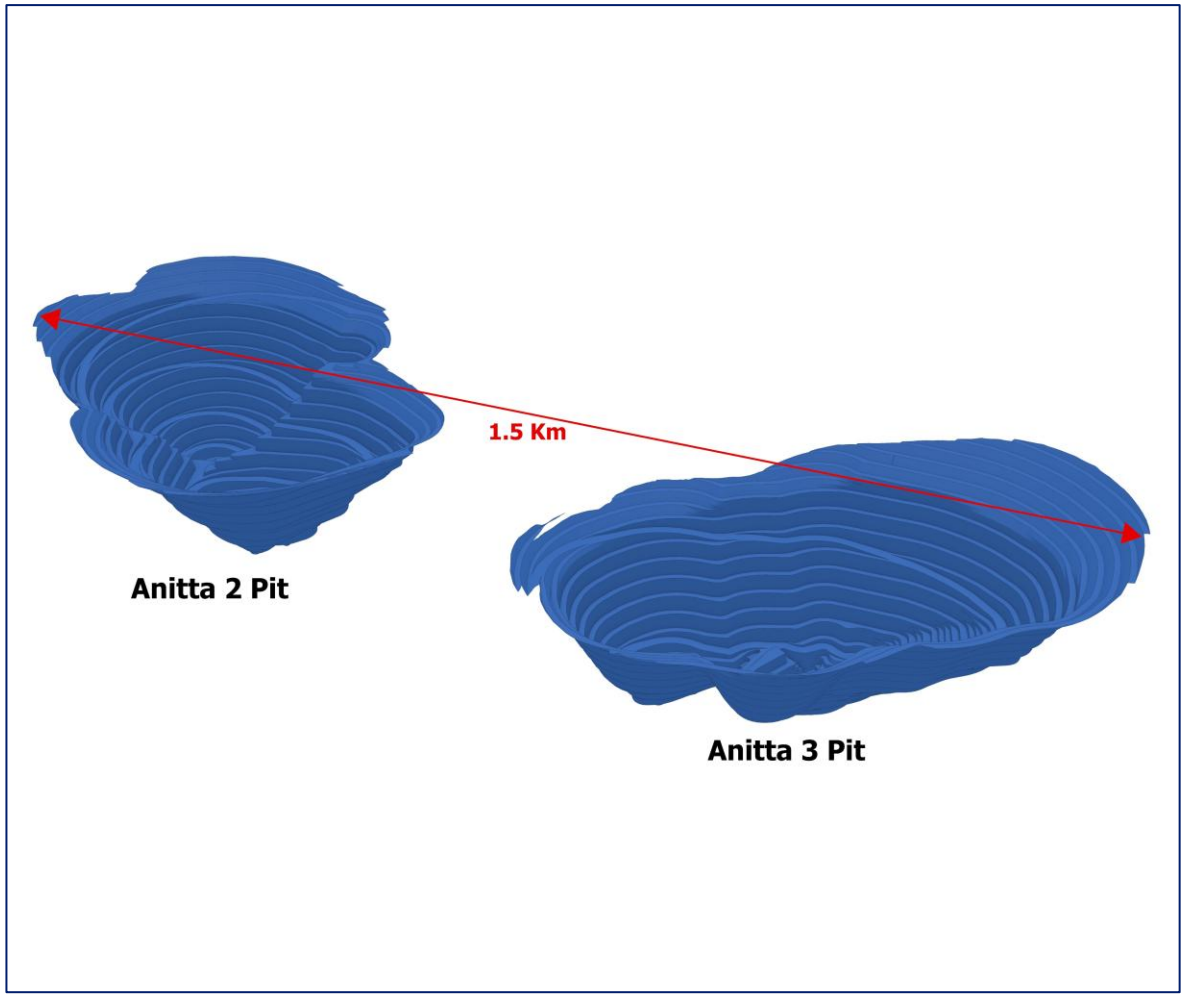




Neves Project – Open Pit Mining

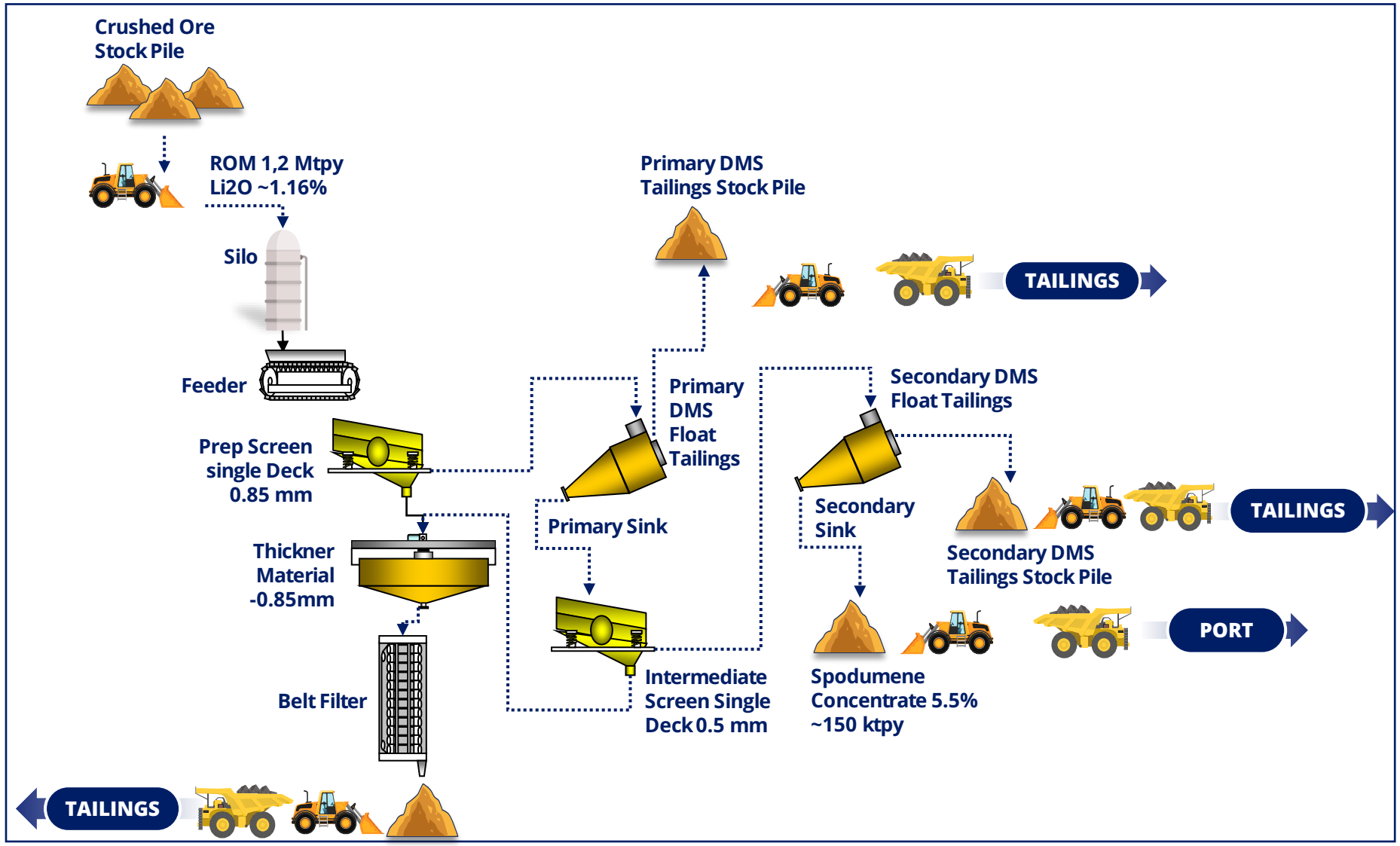
- High-grade reserves of 7.3 Mt at 1.23% Li_2O with near-surface mineralization and low strip ratio enable efficient open-pit mining to produce 951,000 tonnes of spodumene concentrate over the 6.5-year mine life
- Streamlined two-pit operation (Anitta 2 and Anitta 3) located just 1.5 km apart minimizes haulage costs and operational complexity

ORE RESERVES (Mt)	CONCENTRATE (kt)
7.3	**950,991**
ORE GRADES Li_2O%	**ORE GRADES Li_2O% (Diluted)**
1.230	**1.169**



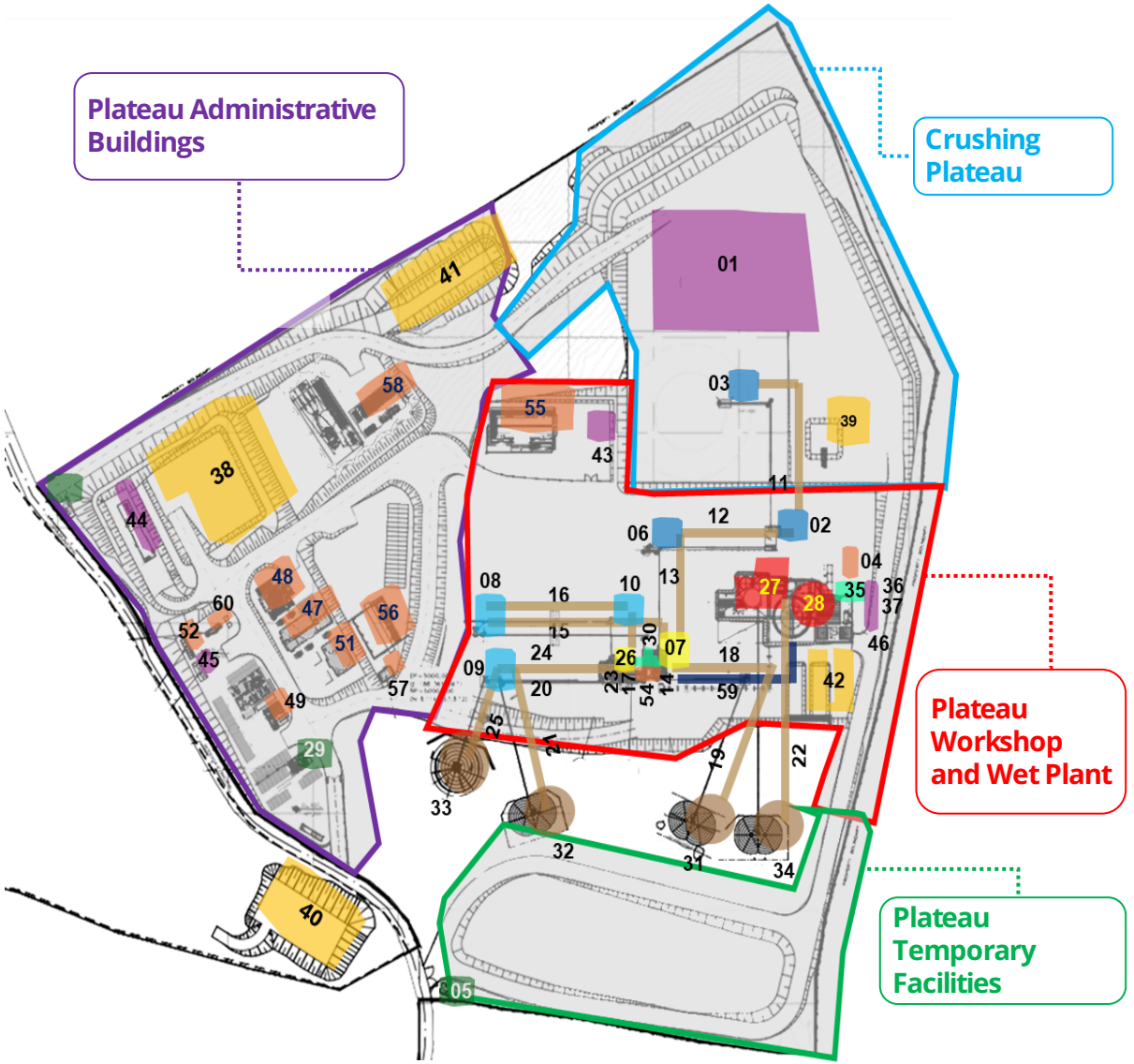
Neves Project – DMS Processing Flowsheet

- Two-stage DMS circuit with primary and secondary separators maximizes spodumene recovery
- Final product is high-quality spodumene concentrate at 5.5% Li_2O grade with annual production capacity of approximately 150,000 tonnes, shipped directly to port with minimal tailings generation using 100% dry processing

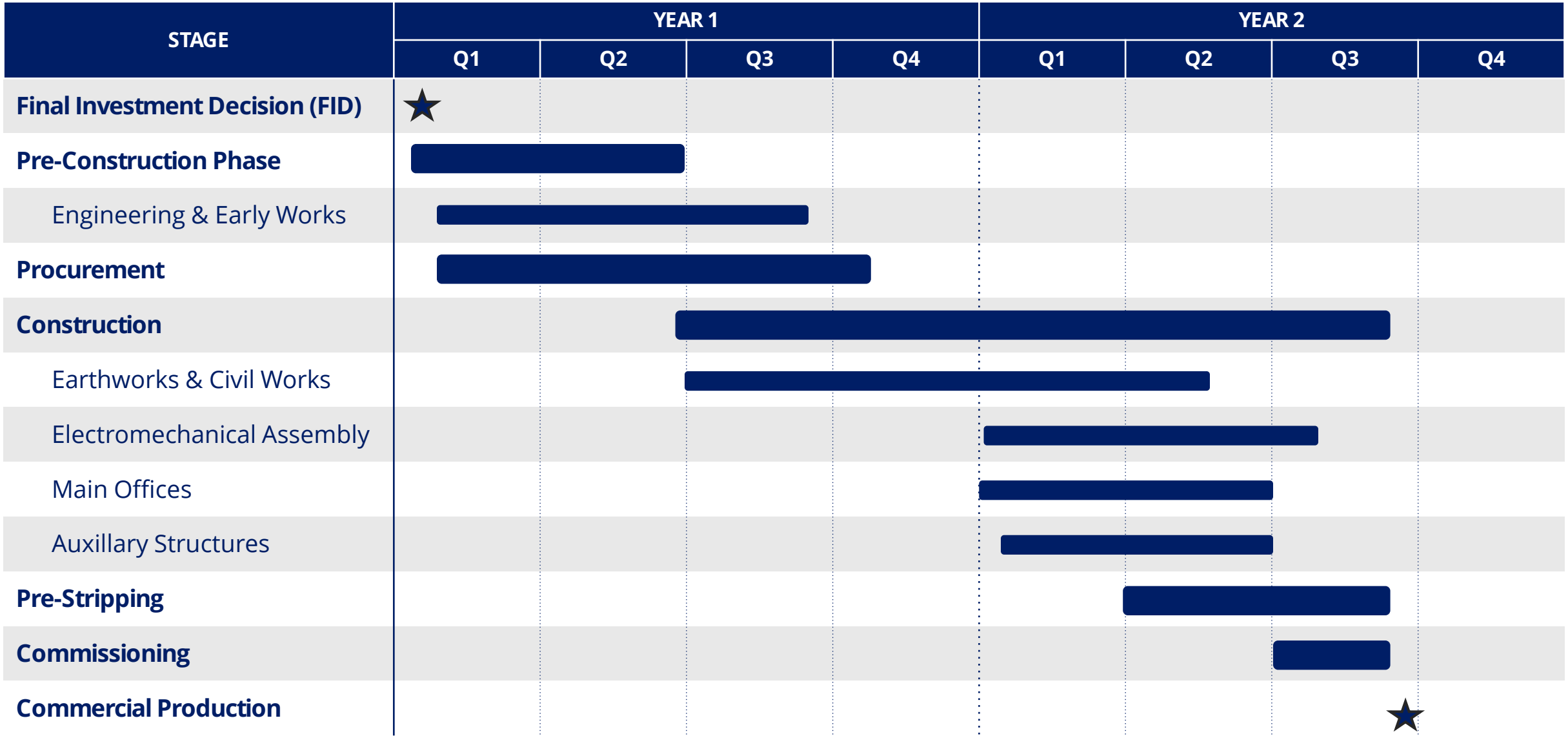


Neves Project - DMS Plant Layout

- Compact modular design optimizes material flow from crushing through DMS processing to final concentrate storage, with fully-paid DMS processing plant already delivered to Brazil and ready for assembly at the permitted site; **image below of trial assembly prior to shipment**



Neves Project - Development Timeline



Neves Project - Upside Potential

- **Extensive Systematic Exploration**

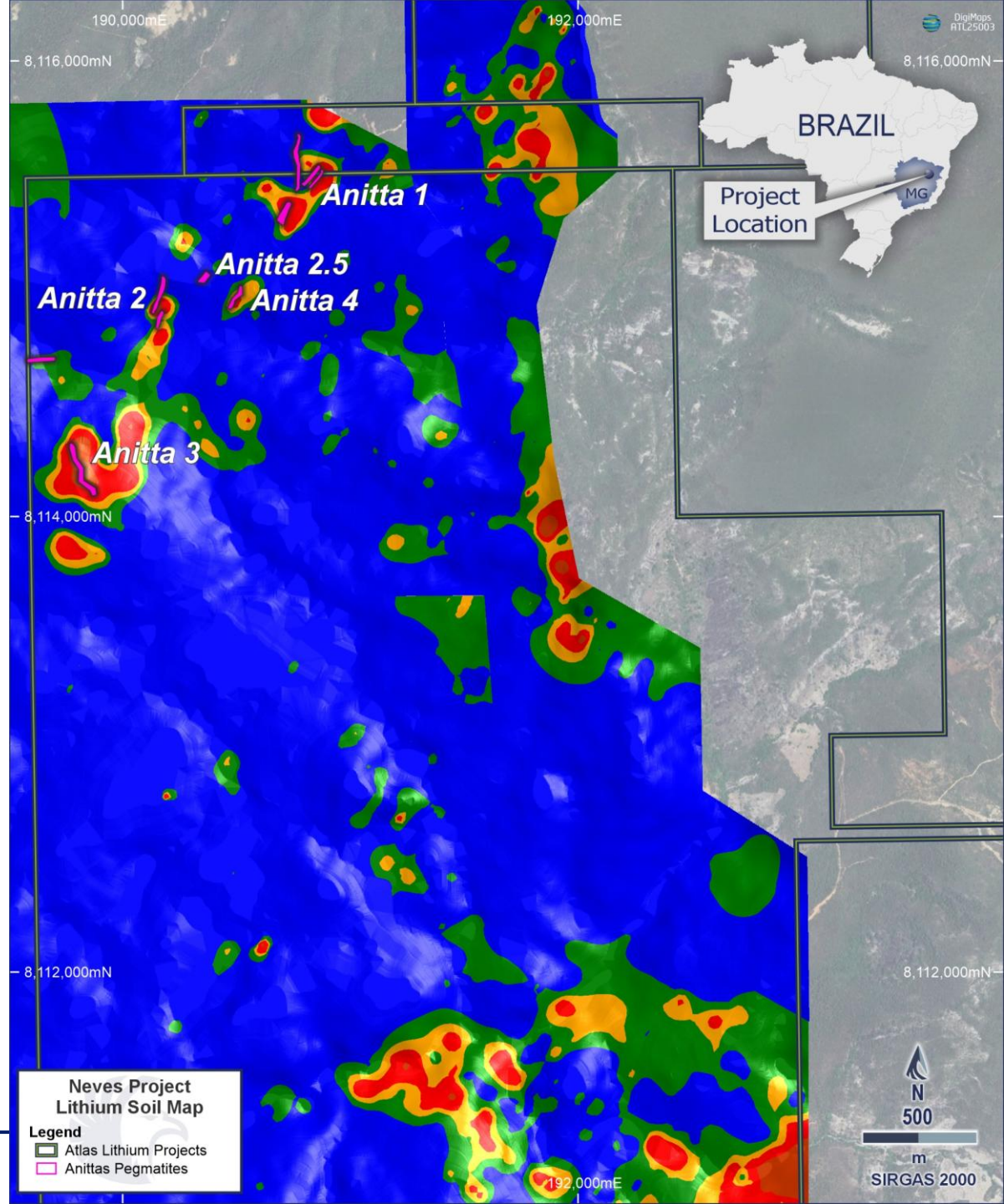
Atlas has mapped 92 pegmatite outcrops from 1,163 field points, collected 4,599 soil samples across 2,500 hectares, and excavated 65 trenches totaling 6,000 meters to validate near-surface mineralization potential across the Neves property

- **Advanced Geophysical Surveys**

Two LiDAR surveys and 508 line-km of drone magnetic/radiometric surveys have linked anomalies to known pegmatites and identified multiple untested targets in unmapped areas with similar geophysical signatures

- **Significant Expansion Potential**

The "Anitta's Corridor" and numerous magnetic/geochemical anomalies provide clear pathways to expand beyond the current 7.3 Mt reserve, potentially extending mine life well beyond the initial 6.5 years

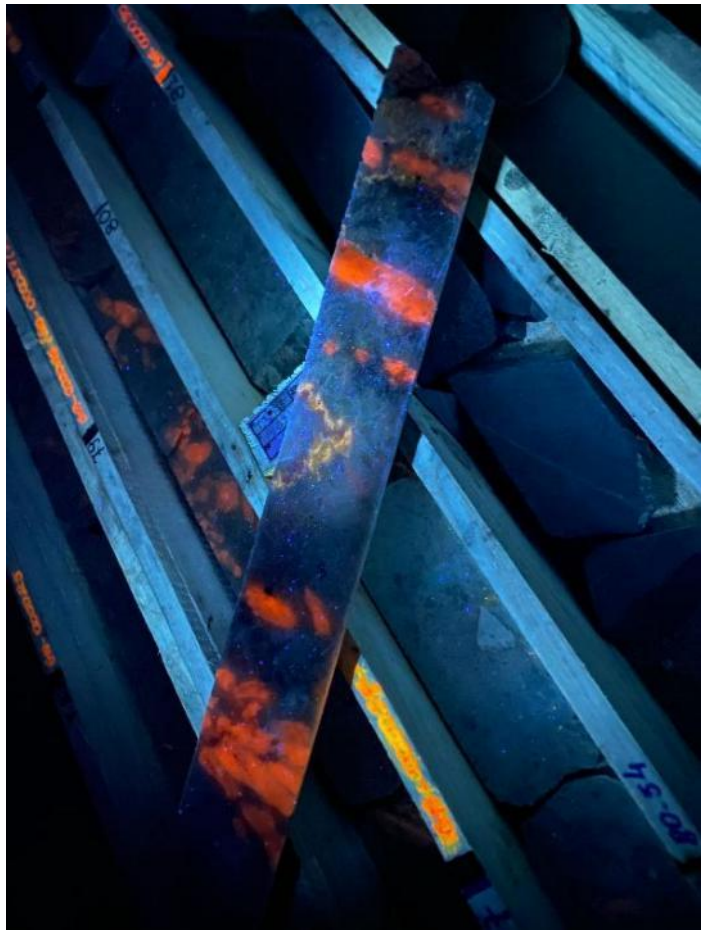


ATLX - Upside Potential

- Near-term transition to lithium concentrate production represents a major value inflection point for investors, with Atlas Lithium **advancing from pre-production to revenue-generating producer** status
- Atlas Lithium controls Brazil's largest hard-rock lithium exploration portfolio with significant expansion potential at the **100%-owned Salinas Project**, where initial drilling was positive for near-surface mineralization confirmed by UV testing and geochemistry
- Beyond the Neves and Salinas lithium projects within its largest lithium exploration portfolio, Atlas Lithium corporate upside includes exposure to critical minerals through its 28% ownership stake in **Atlas Critical Minerals (OTCQB: JUPGF)** with high-quality projects in rare earths, titanium, graphite and uranium

ATLX Organic Growth - 100%-Owned Salinas Project

Initial Drill Holes Positive for Near-Surface Mineralization (UV testing; Geochemistry)



Atlas Critical Minerals (OTCQB: JUPGF)

RARE EARTHS ALTO PARANAÍBA PROJECT

- Conglomerate presentation
- High grades of up to 29,870ppm for TREO
- Titanium is valuable byproduct

RARE EARTHS IPORÁ PROJECT

- Ionic clay presentation
- Easy separability with standard leaching
- Significant HREO percentage

NATURAL GRAPHITE MALACACHETA PROJECT

- High grades of up to 15.4%
- Material concentrates easily
- Tests demonstrated highest achievable concentrations; nuclear-grade graphite potential

URANIUM

- 39 mineral rights in key Uranium areas in Brazil
- AI-driven data center expansion demands more electricity amid projected uranium shortage

Investor Relations

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