



 Nasdaq: AT LX

## Corporate Overview

November 2024



# 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\$	10.58
Outstanding Shares	#	15,249,792
Market Cap	US\$ mm	161.3
52-Week High	US\$	34.00
52-Week Low	US\$	6.25

## Select Institutional Shareholders



## Analyst Coverage

Firm	Analyst	Recommendation	Target Price (US\$)
AGP	Jake Sekelsky	Buy	45.00
HCW H.C. WAINWRIGHT & CO.	Heiko F. Ihle	Buy	19.00
ROTH MKM	Joe Reagor	Buy	25.50

# Summary Highlights of Minas Gerais Lithium Project



- 1** Positioned to Become a Very Low-Cost Producer – Open-pit mining, Brazil’s low mining costs
- 2** Expedited Timeline to Production – Permits in place, and modular processing plant in final fabrication and pre-shipment stage
- 3** Largest Hard-Rock Lithium Exploration Portfolio in Brazil – Premier lithium jurisdiction with high quality spodumene and favorable infrastructure
- 4** Strong Metallurgical Results – Demonstrable potential for high-quality lithium concentrate
- 5** Incentivized Management Team – Management owns ~33% of the company; fully aligned for success
- 6** Committed Offtake Pre-Payments – Tier 1 lithium supply chain buyers sourcing product



# Atlas Lithium Minas Gerais Lithium Project



Permitted Project with Clear Path to Production



Highly Supportive Jurisdiction with Proven Lithium Potential



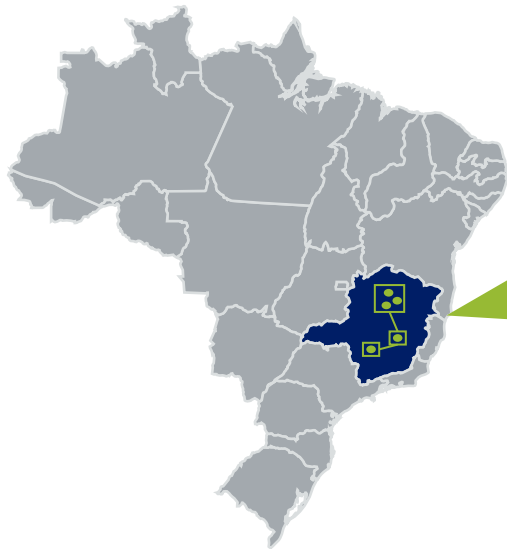
Promising Drilling & Metallurgical Results



Strong ESG Credentials with Clear Environmental and Social Benefits



Additional Exploration Upside Supporting Phase II Expansion



**468 km<sup>2</sup>**  
Minas Gerais Lithium Project Area

**5.23% Li<sub>2</sub>O**  
Top Intersect Grade at 9 Meters Depth

**~150ktpa**  
Spodumene Concentrate Targeted Production for Phase I

# Strategic Partnerships with Tier 1 Global Partners



Dec-23

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



**BYD supplier**

**US\$10mm**  
In common shares acquired (received)

**US\$40mm**  
Prepayment for the offtake of 80% of phase 1 (expected)

**120k<sup>1</sup>**  
Phase 1 lithium concentrate offtake



**Tesla supplier**

Mar-24

## Strategic Investment and Offtake Agreement with Mitsui & Co.



**Global powerhouse; largest shareholder of Mitsui is Warren Buffett's Berkshire Hathaway**

**US\$30mm**  
In common shares acquired (received)

**15k tons**  
Phase 1 lithium concentrate offtake

**60k tons / y<sup>2</sup>**  
Phase 2 lithium concentrate offtake



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

**US\$80mm in Total Investment:**

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



Source: Company's Filings  
Note: <sup>1</sup> Total amount of lithium divided equally between partners (60k tons for each). <sup>2</sup> For a period of five years

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



**Marc Fogassa**  
Chairman & CEO

*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*

“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”

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**

# Experienced Management Team



**Marc Fogassa**  
*Chairman & CEO*

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



**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)



**James Abson**  
*QP for Lithium*

- ✓ Previously Chief Geologist and Exploration Manager at Bikita Minerals – the longest running hard-rock lithium mine in the world
- ✓ Over 29 years of experience in mining and mineral exploration



**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



**Gary Guyton**  
*VP, Investor Relations*

- ✓ Over a decade of experience in investor relations
- ✓ Previously Director of IR at Comstock Resources, overseeing \$4B in M&A transactions
- ✓ Extensive relationships with institutional investors and sell-side analysts





# DMS-Focused Operations Committee



**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



**Brian Talbot**

*Consultant (RTEK)*

- ✓ Proven and experienced operator in metallurgical processing, mine operations and project development
- ✓ Held leadership roles at successful lithium pioneer producers for over a decade



# 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

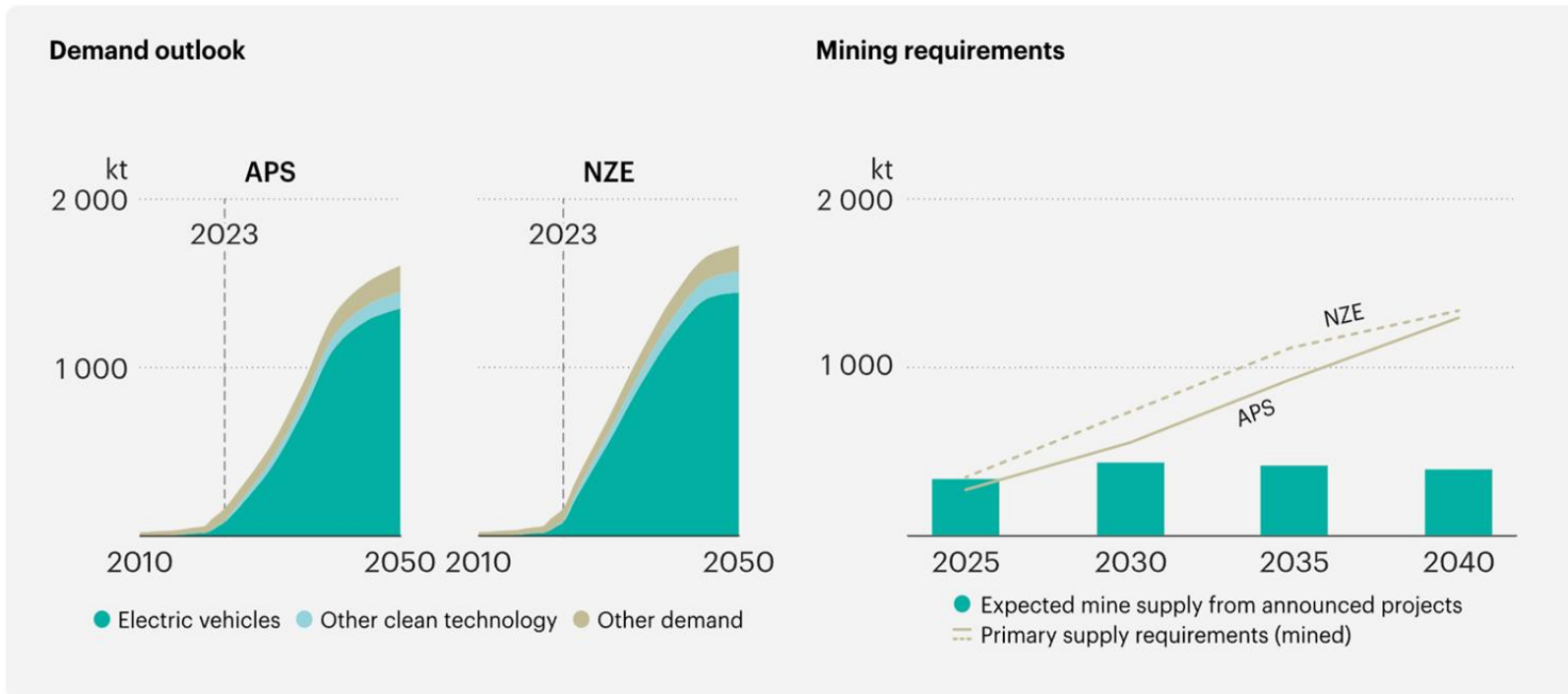


# Favorable Structural Fundamentals Supporting Lithium Demand



## Lithium Demand

Source: International Energy Agency (May 2024)



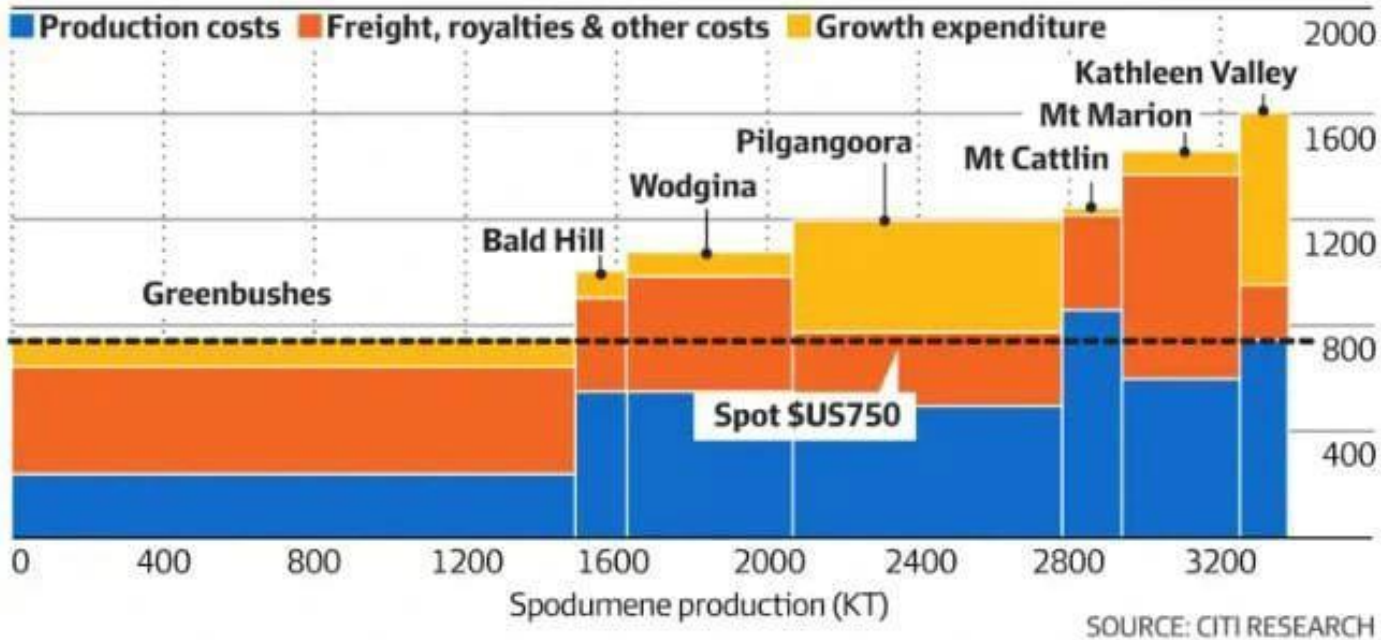
- McKinsey and the Global Battery Alliance forecast a 27% compound annual growth rate (CAGR) on demand for Lithium-ion batteries, reaching 4,700 GWh by 2030
- Woodmack forecasts USA EV sales will grow 643% from 2022 to 2030
  - ✓ Will more than double its participation in global EV sales (9.0% to 18.5%)

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

# Low-Cost Production: Key to Long-Term Success

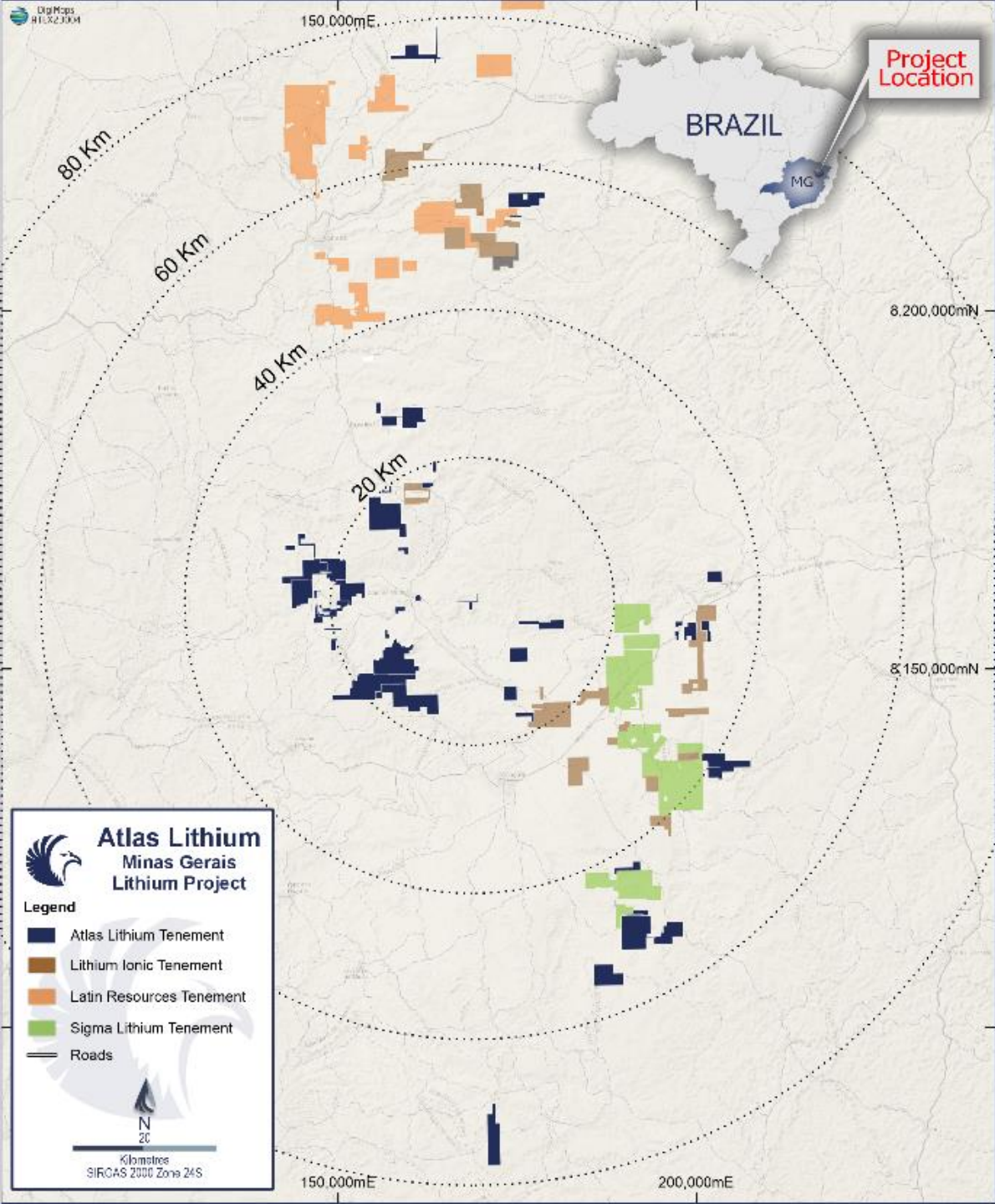


Spodumene price, FY25 all-in cost curve (\$US/tonne)



- Atlas Lithium holds several promising deposits one of which is projected to have production costs in the mid-US\$400/tonne range
- 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 US\$370M acquisition of a Brazilian lithium explorer in August 2024 highlights our region's importance





# Neighboring Minas Gerais Site



- ✓ Atlas Lithium holds **85** mineral rights spread over **468 km<sup>2</sup>**
- ✓ Several of these mineral rights are adjacent to Sigma Lithium Corporation, a lithium producer in Brazil's Lithium Valley

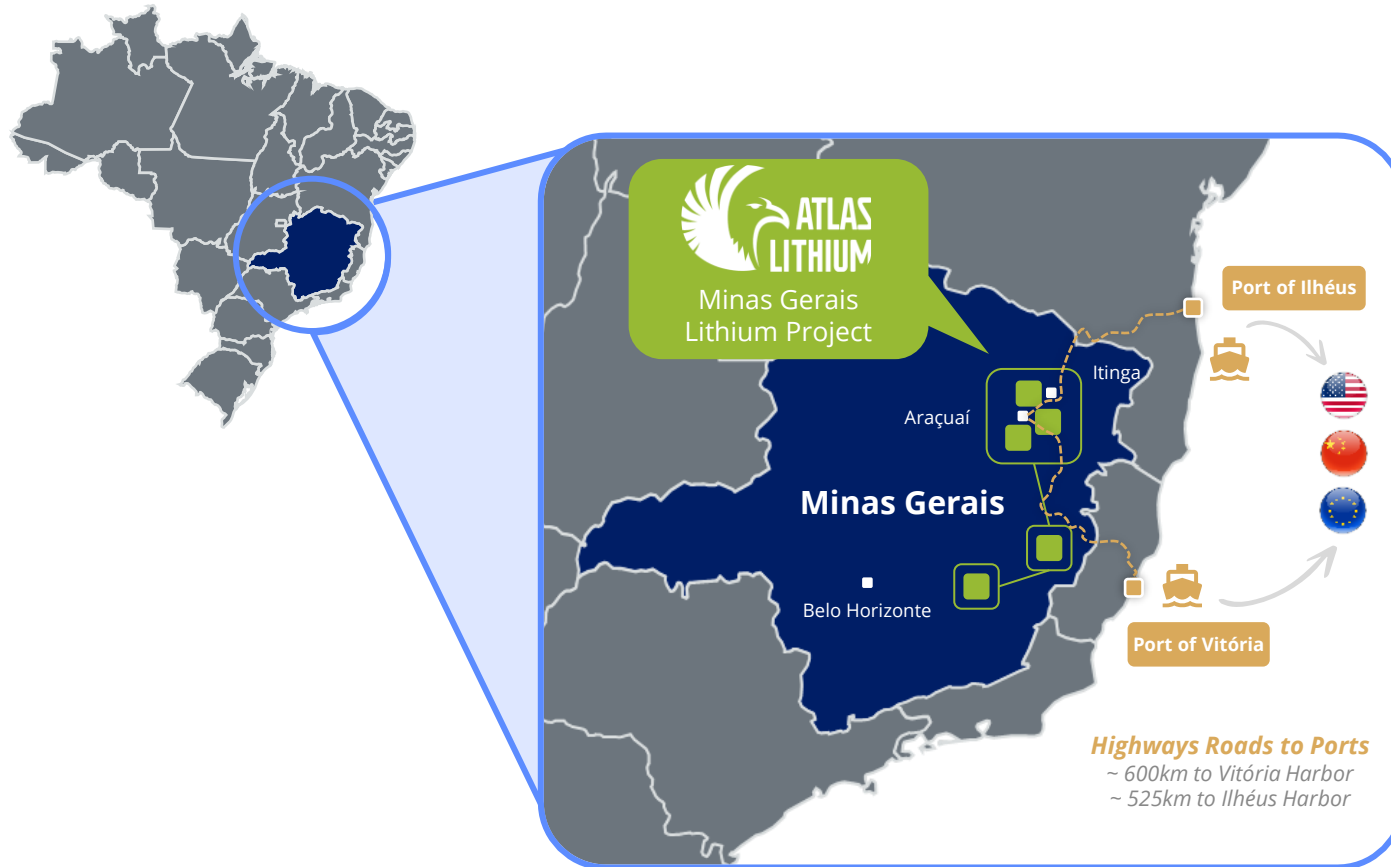
Source: Agência Nacional de Mineração, the Brazilian Mining Department

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 – 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*

# 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***

# Promising Drilling and Metallurgical Results



## Neves Project Drilling

- ✓ Within the Neves Project area, **84 pegmatite outcrops have been mapped and sampled** so far
- ✓ Promising lithium-bearing areas identified **near the surface, expanding mining prospects**
- ✓ >80,000 meters drilled with some targets yielding **intersects of up to 5.23% Li<sub>2</sub>O**
- ✓ Drill holes reveal **significant mineralized spodumene at shallow depths**, with potential for **open pit mining**



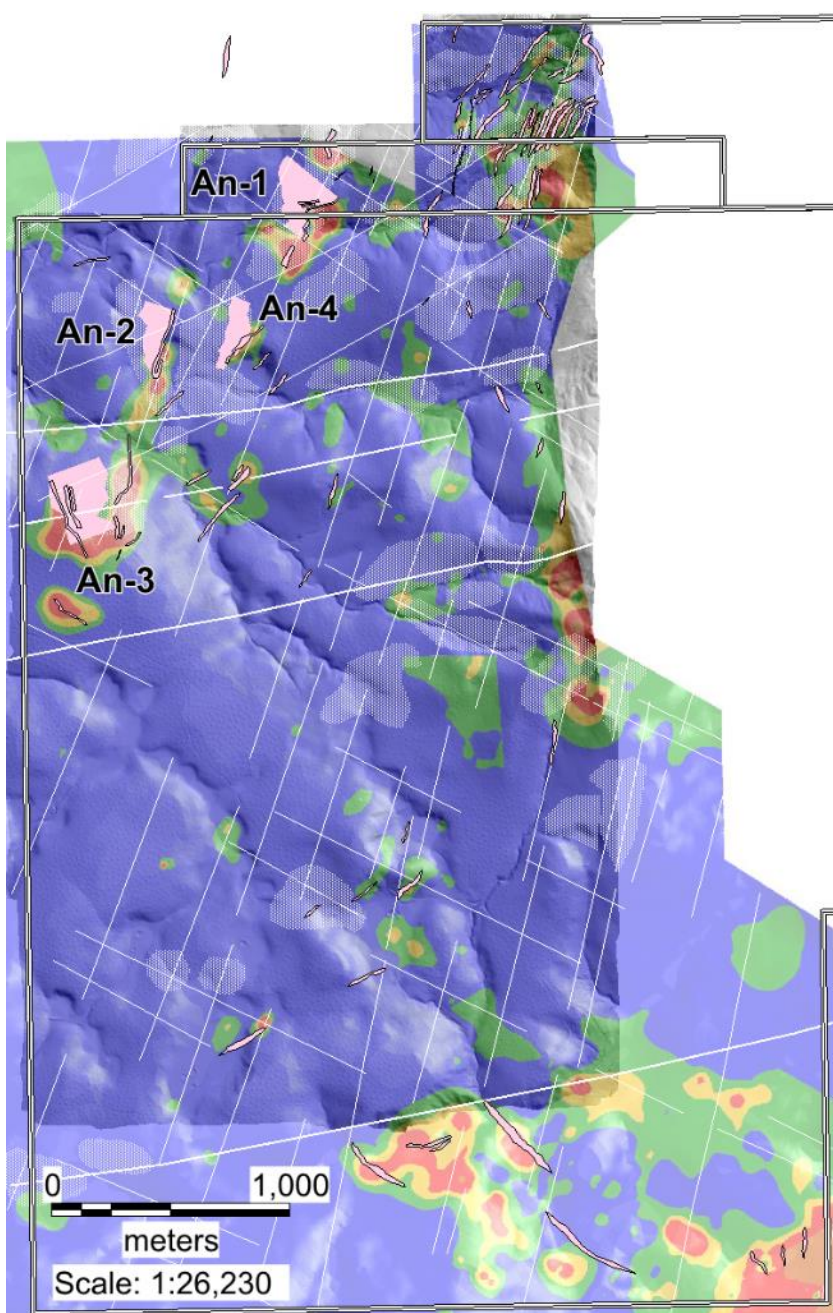
## Metallurgical Tests

- ✓ Metallurgical Testwork at SGS laboratory using **HLS** showed ability to concentrate our lithium samples to **7.22% Li<sub>2</sub>O grade**, while composite grade was **1.53% Li<sub>2</sub>O, 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<sub>2</sub>O with only 0.53% Fe<sub>2</sub>O<sub>3</sub>**
- ✓ Lithium recovery rates ranged **between 70% and 85%**
- ✓ Results were achieved **without the use of flotation technique**





# 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.

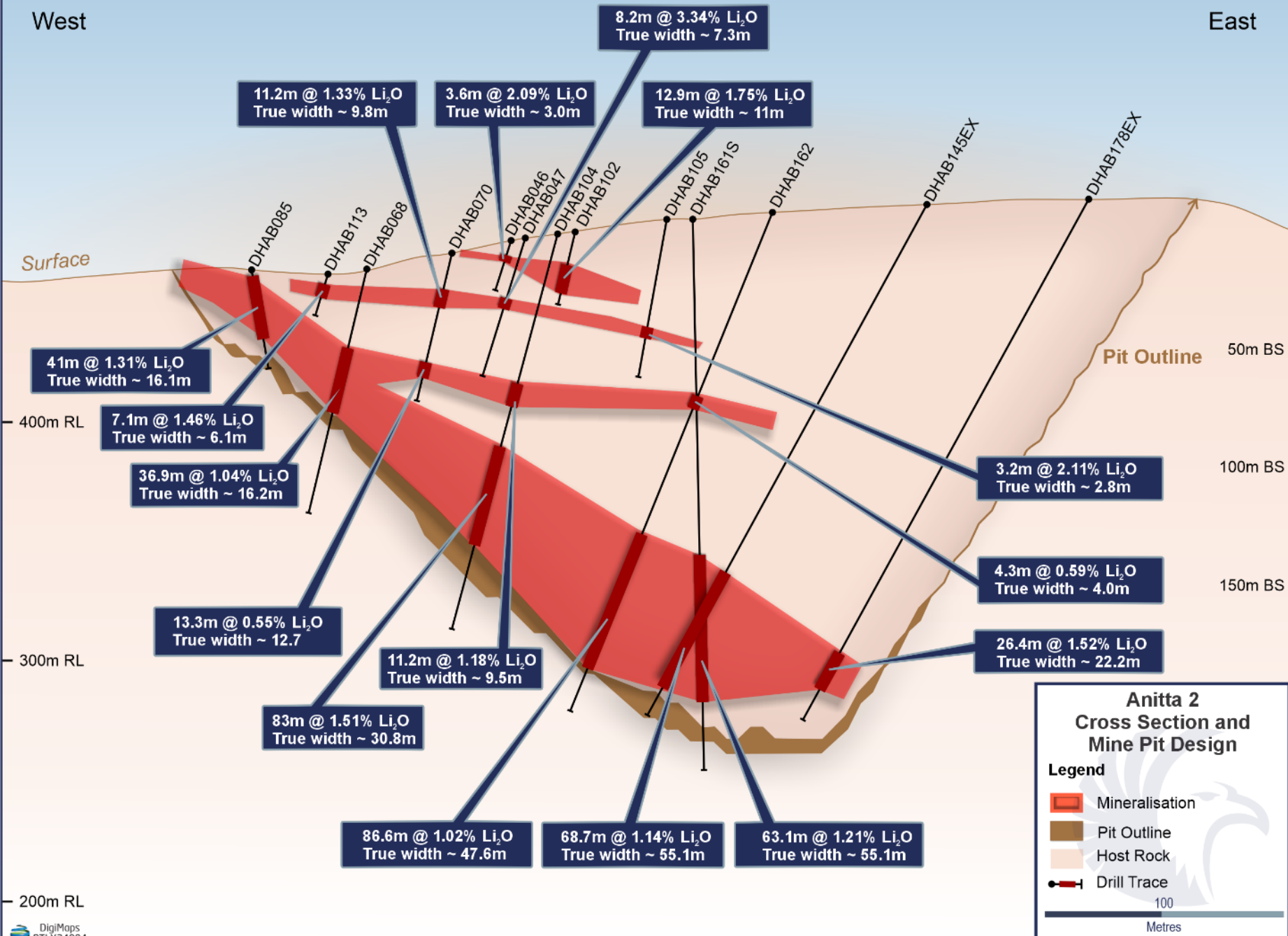
8,114,800mN

8,115,000mN

8,115,200mN

West

East



# Anitta 2 Cross Section and Pit

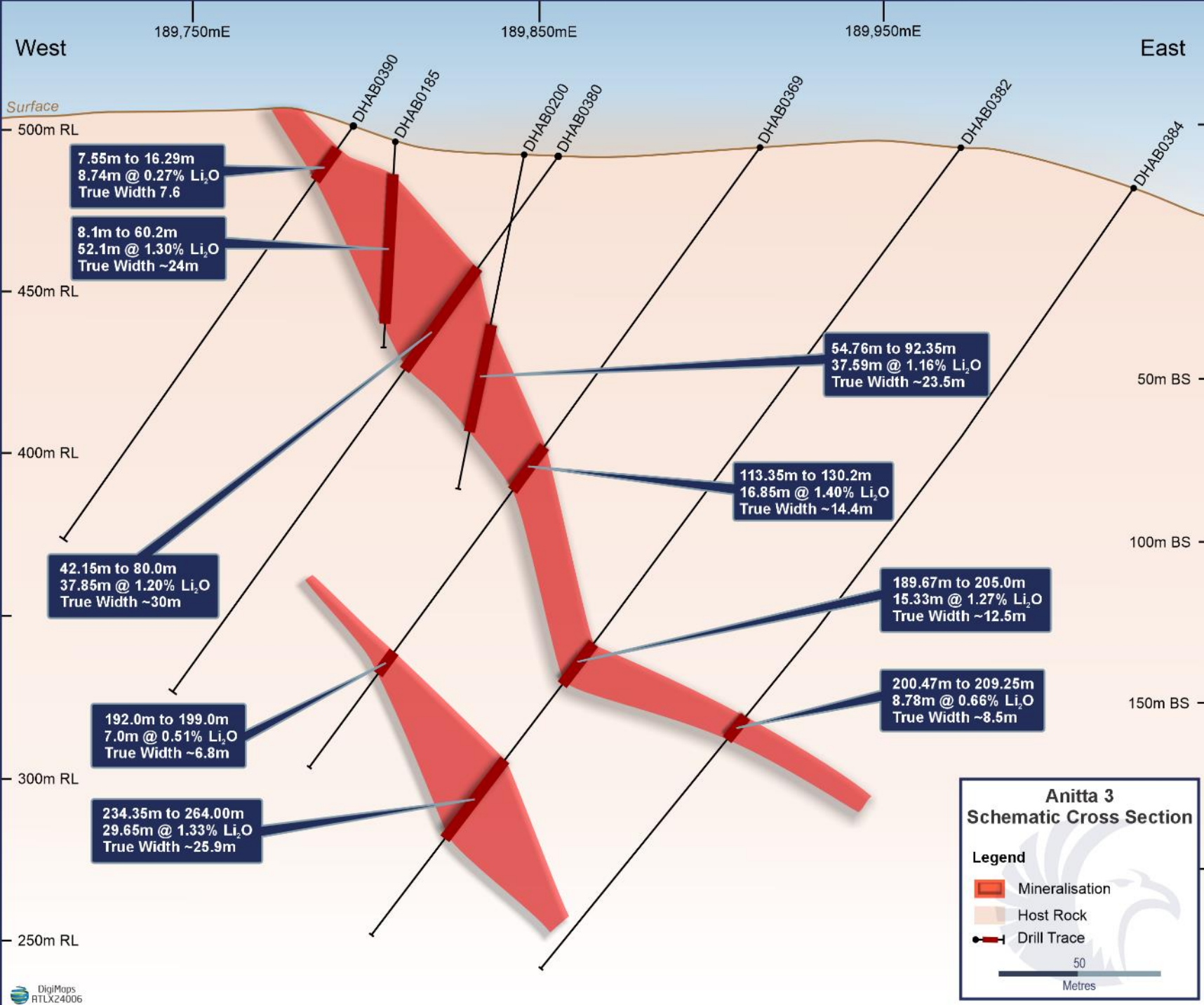
**Anitta 2 Cross Section and Mine Pit Design**

**Legend**

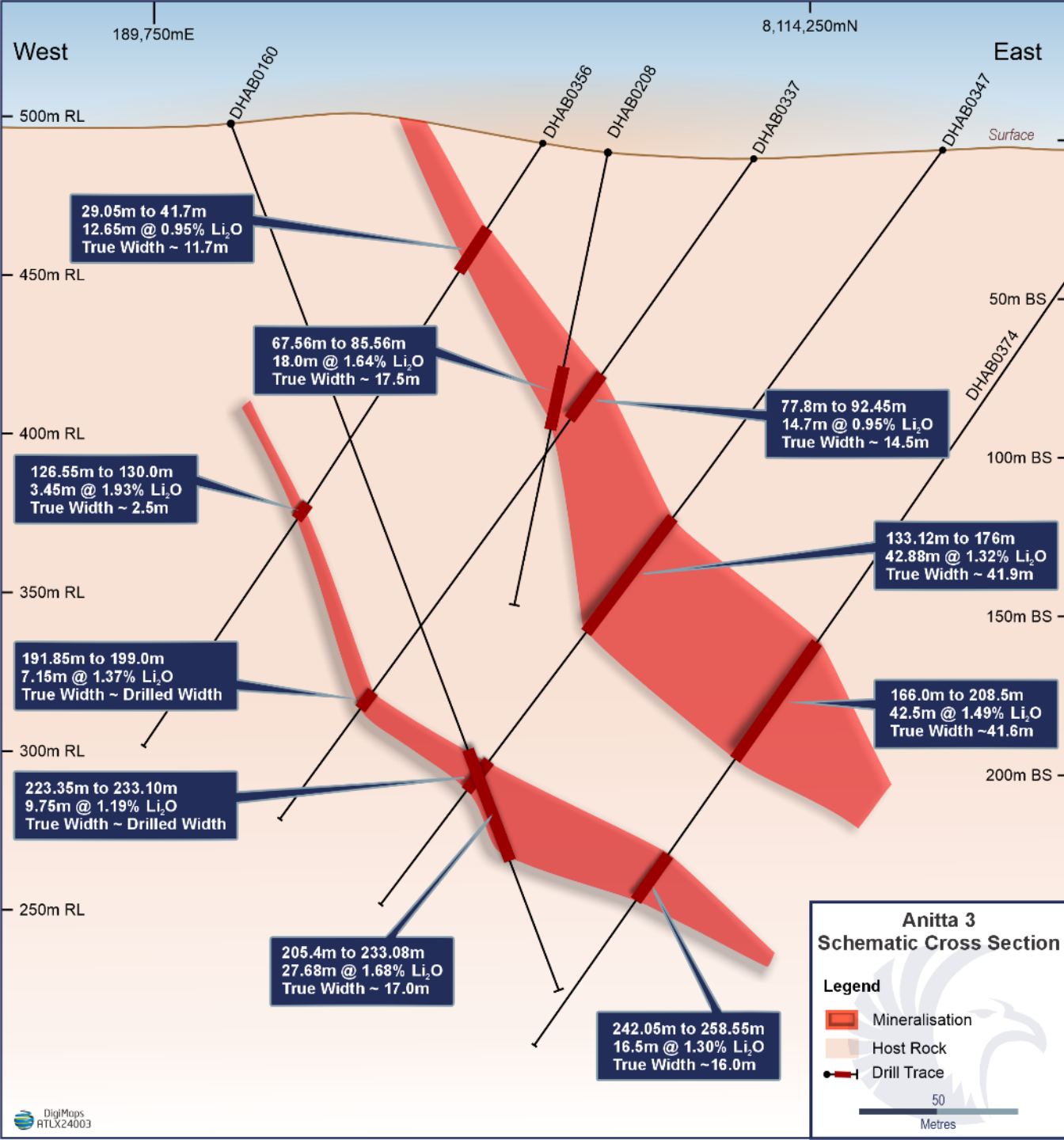
- Mineralisation
- Pit Outline
- Host Rock
- Drill Trace

100 Metres

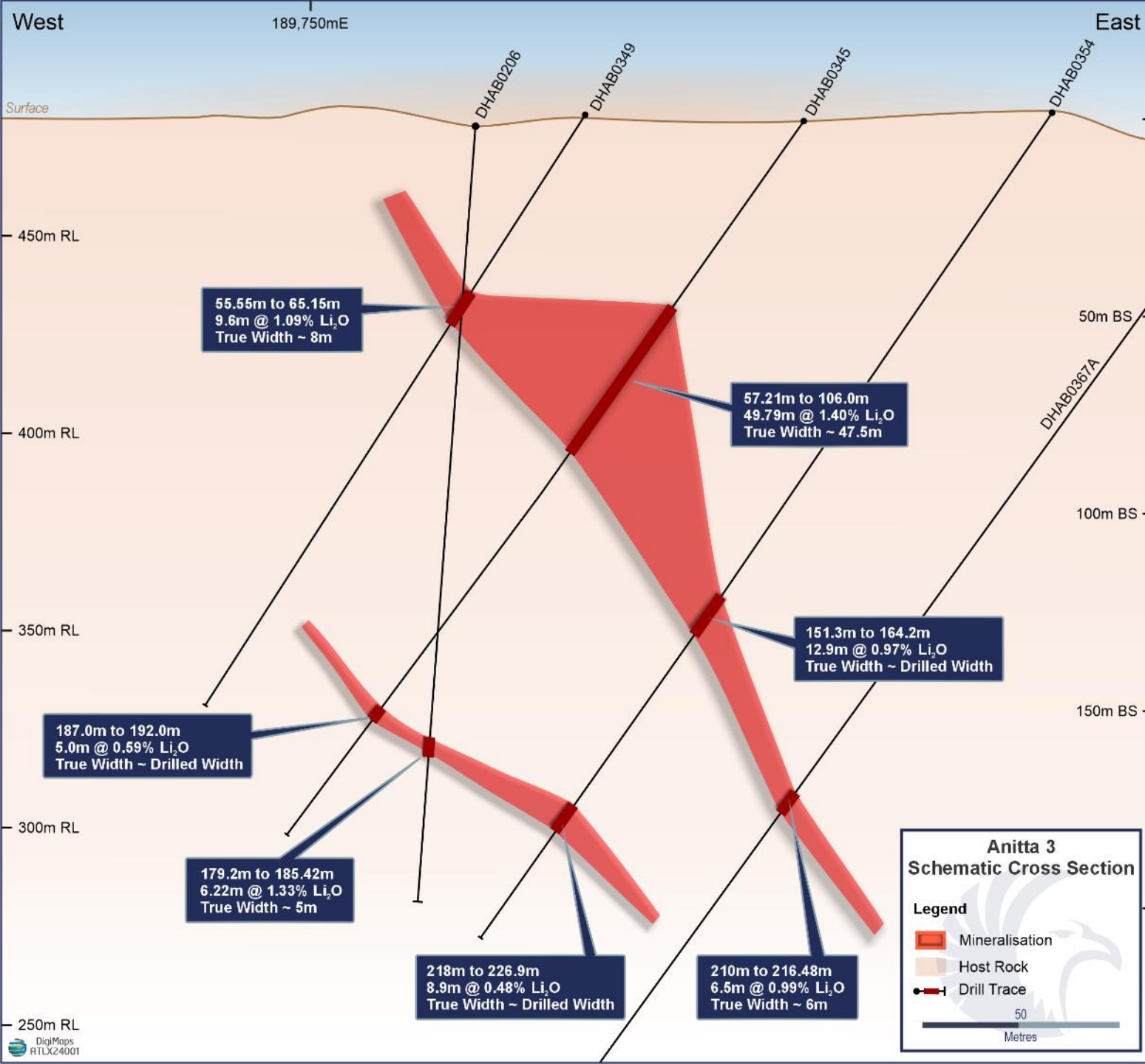




# Anitta 3 Cross Section 1/3



# Anitta 3 Cross Section 2/3



# Anitta 3 Cross Section 3/3



# Modular Plant Trial Assembly



## *Atlas Lithium's Modular Processing Plant in Final Fabrication and Pre-Shipment Stage*

- ✓ *The efficient modular plant design, first for Brazil's lithium industry, streamlines transportation, installation, and commissioning*
- ✓ *Expedited construction of the modular processing plant is a key step in Atlas Lithium's strategy with ability to rapidly advance to production*

## Appendix A

*Photos: Atlas Lithium's Modular DMS Plant  
Readied for Shipment to Brazil*

August, 2024

























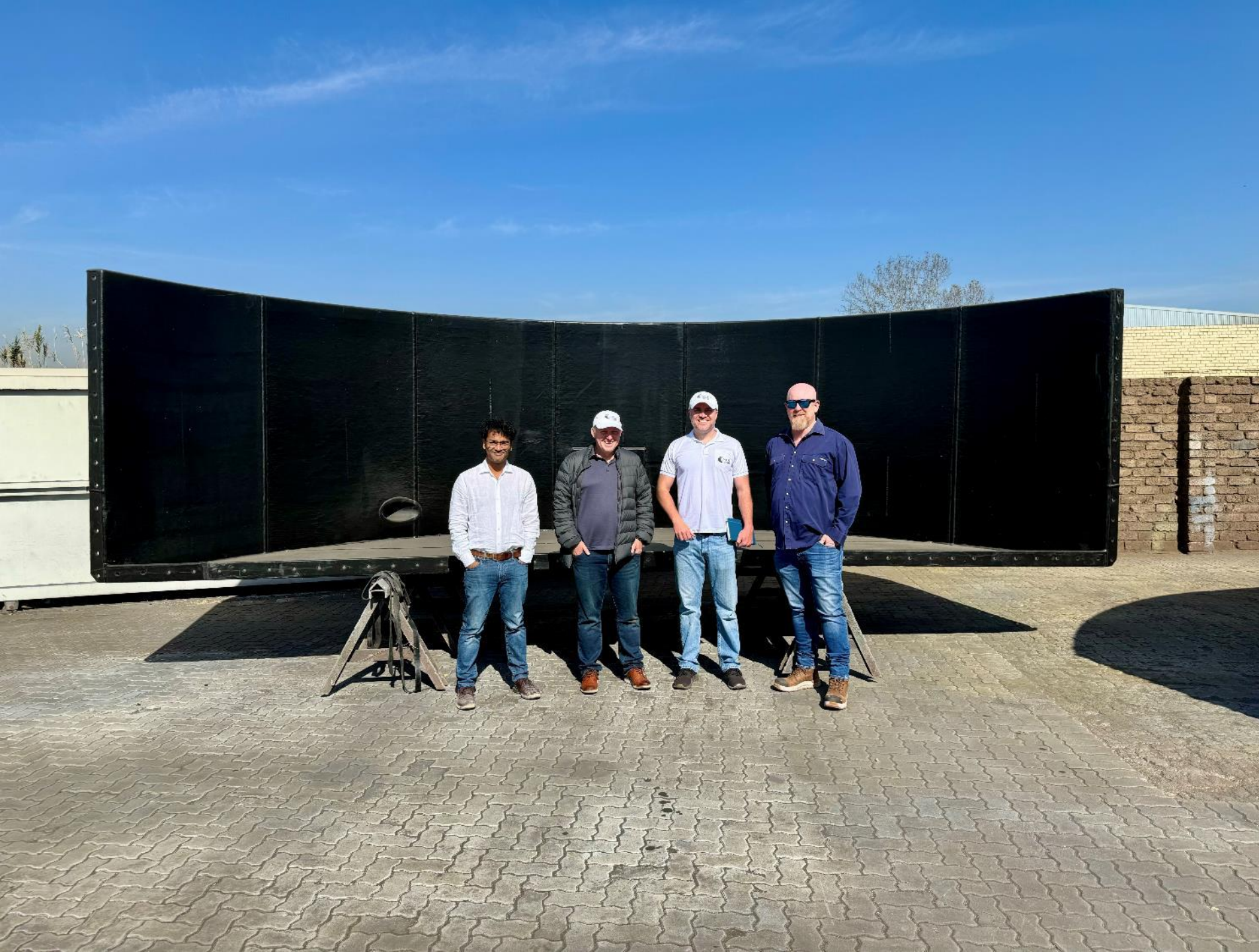

















## Investor Relations

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