



Investor Presentation  
May 2023

CHARGING THE CHANGE

# IMPORTANT & CAUTIONARY STATEMENT



## Important notice

These presentation slides (the “Slides”) have been prepared by Atlantic Lithium Limited (the “Company”) and provides a general overview of the Company and its strategy. These Slides do not comprise an admission document, listing particulars or a prospectus relating to the Company, do not constitute an offer or invitation to purchase or subscribe for any securities of the Company and should not be relied on in connection with a decision to purchase or subscribe for any such securities. The Slides and the accompanying verbal presentation do not constitute a recommendation regarding any decision to sell or purchase securities in the Company.

No reliance may be placed for any purpose whatsoever on the information contained in the Slides and the accompanying verbal presentation or the completeness or accuracy of such information. No representation or warranty, express or implied, is given by or on behalf of the Company, directors, officers, employees, agents or advisors or any other person as to the accuracy or completeness of the information or opinions contained in the Slides and the accompanying verbal presentation, and no liability is accepted by such persons for any such information or opinions or otherwise arising in connection therewith (including in the case of negligence, but excluding any liability for fraud).

The Ewoyaa Lithium Project as described in the Slides is at the exploration and development stage, and potential investors should understand that mineral exploration, development and mining are high-risk undertakings.

The Slides contain statements which may be in the nature of forward-looking statements.

## Cautionary Statements

The information in the Slides that relates to the estimation and reporting of Ore Reserves and Mineral Resources for the Ewoyaa Lithium Project was reported by the Company on 22 September 2022. The company released an updated Mineral Resource Estimate on 1 February 2023.

The Company confirms that it is not aware of any new information or data that materially affects the information included in that announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimates, Ore Reserve estimates, production targets and forecast financial information in that announcement continue to apply and have not materially changed.

## Forward-Looking Statements

The Slides contain certain statements and expressions of belief, expectation or opinion which contain ‘forward-looking information’, and which relate, inter alia, to feasibility studies, the Company’s proposed strategy, plans, objectives, performance, outlook, cash flow, projections, targets, and Mineral Resources and Ore Reserves or to the expectations or intentions of the Company’s directors.

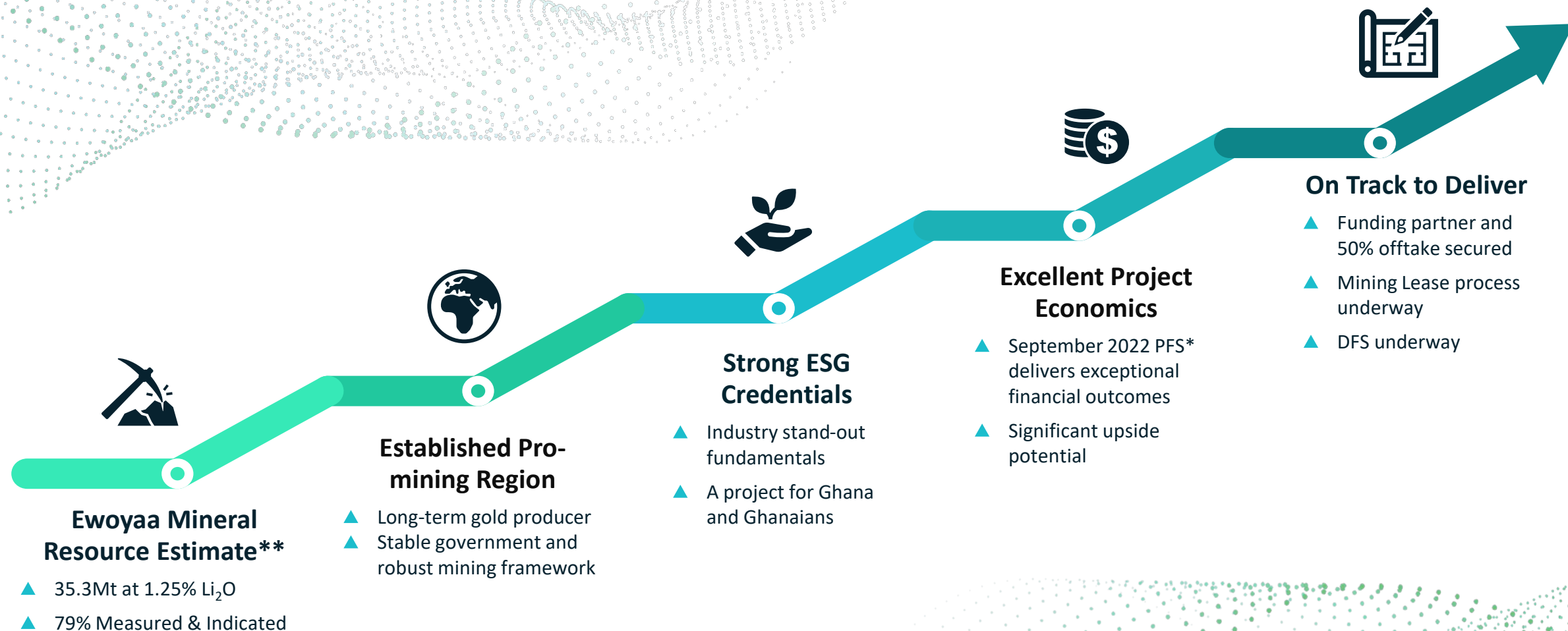
Generally, this forward-looking information can be identified by the use of forward-looking information can be identified by the use of forward-looking terminology such as ‘outlook’, ‘anticipate’, ‘project’, ‘target’, ‘likely’, ‘believe’, ‘estimate’, ‘expect’, ‘intend’, ‘may’, ‘would’, ‘could’, ‘should’, ‘scheduled’, ‘will’, ‘plan’, ‘forecast’, ‘evolve’, and similar expressions. Persons reading the Slides are cautioned that such statements are only predictions, and that the Company’s actual future results or performance may be materially different.

Forward-looking information is developed based on assumptions about such risks, uncertainties and other factors set out herein, including but not limited to general business, economic, competitive, political and social uncertainties; the actual results of current exploration and development activities; conclusions of economic, competitive, political and social uncertainties; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; future prices of lithium; possible variations of ore grade or recovery rates; failure of equipment or processes to operate as anticipated; accident; labour disputes and other risks of the mining and exploration industry; and delays in obtaining government approvals or financing or in the completion of development activities.

This list is not exhaustive of the factors that may affect forward-looking information. These and other factors should be considered carefully, and readers should not place undue reliance on such forward-looking information.

Accordingly, you should not rely on any forward-looking statements and neither the Company nor SP Angel accept any obligation to disseminate any updates or revisions to such forward-looking statements. Any statement as to the past activities of the Company’s directors should not be relied upon as being an indication of their future performance. Statements regarding plans with respect to the Company’s mineral properties may contain forward-looking statements in relation to future matters that can be only made where the Company has a reasonable basis for making those statements.

# BUILDING GHANA'S FIRST LITHIUM MINE



# CORPORATE SNAPSHOT



## Capital Structure

Issued Capital: 609.2m

**58m**

Options

**2.7m**

Performance Rights

**669.9m**

Fully-diluted share capital

**US\$249m**

Market Capitalisation (US\$0.41)<sup>1</sup>

**US\$11m**

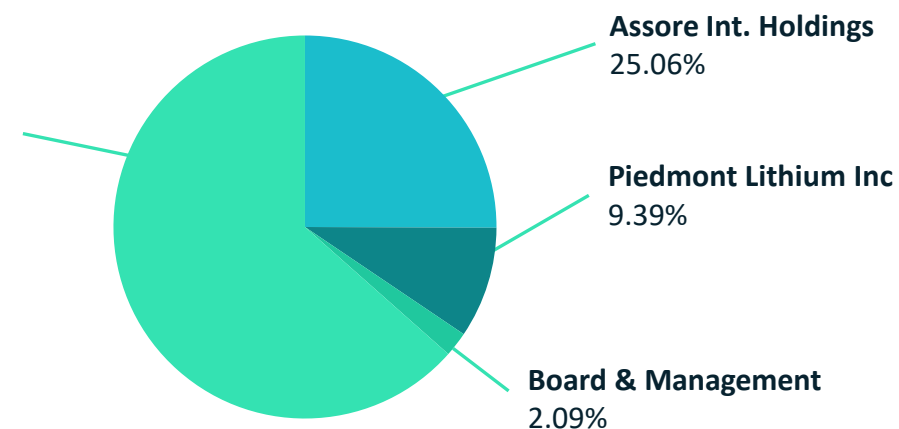
Cash Balance (31 March 2023)

1. ASX Share price at close of 28 April 2023 (Converted at 0.68)

## Major Shareholders

Top 20 Shareholders: 68.5%

**Other**  
63.46%



# BOARD AND MANAGEMENT



## BOARD



**Neil Herbert**  
Executive Chairman



**Lennard Kolff**  
Chief Executive Officer



**Amanda Harsas**  
Finance Director and Company Secretary



**Stu Crow**  
Senior Non-Executive Director



**Kieran Daly**  
Non-Executive Director



**Christelle van der Merwe**  
Non-Executive Director

## MANAGEMENT



**Keith Muller**  
Chief Operating Officer



**Roux Terblanche**  
Project Manager



**Iwan Williams**  
Exploration Manager



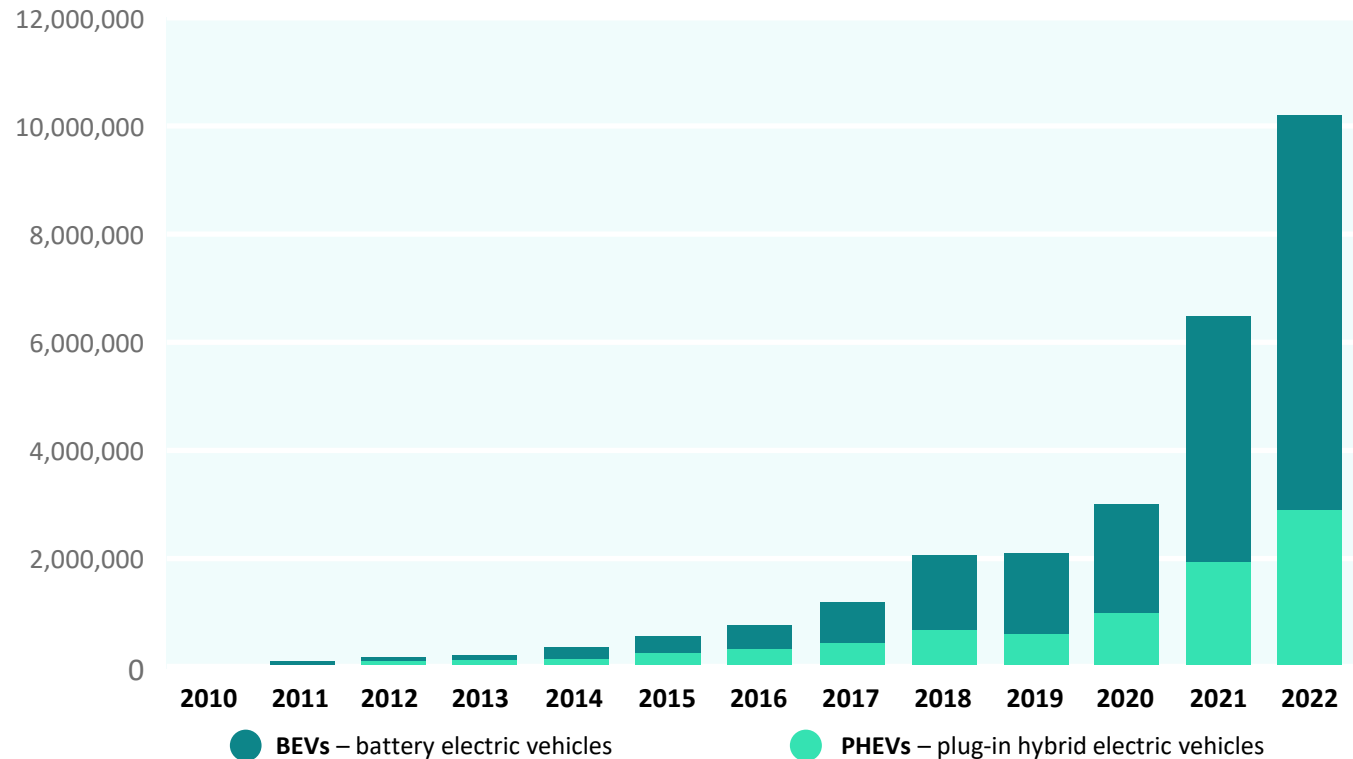
**Abdul Razak**  
Country Manager

## OUR VISION

A sustainable lithium supply with positive social impact to support the global transition to a **carbon neutral** future.

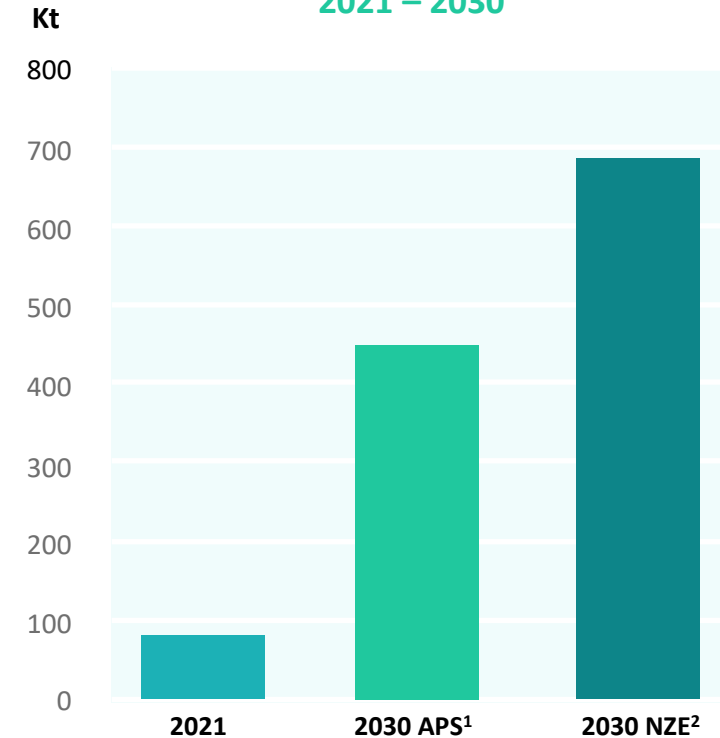
# GLOBAL NET ZERO TARGET DRIVING EV & LITHIUM DEMAND

Global EV Sales (Cars)  
2010-2022



Currently c. 16 million electric cars on the road worldwide, consuming roughly 30 terawatt-hours (TWh) of electricity per year (IEA, 2023)

Lithium Production & Projected Demand  
in Climate-driven Scenarios  
2021 – 2030



<sup>1</sup> Announced Pledges Scenario  
<sup>2</sup> Net Zero Emissions by 2050 Scenario

Demand for lithium for use in batteries more than 100-times higher in 2050 than in 2020 (IEA, 2021)

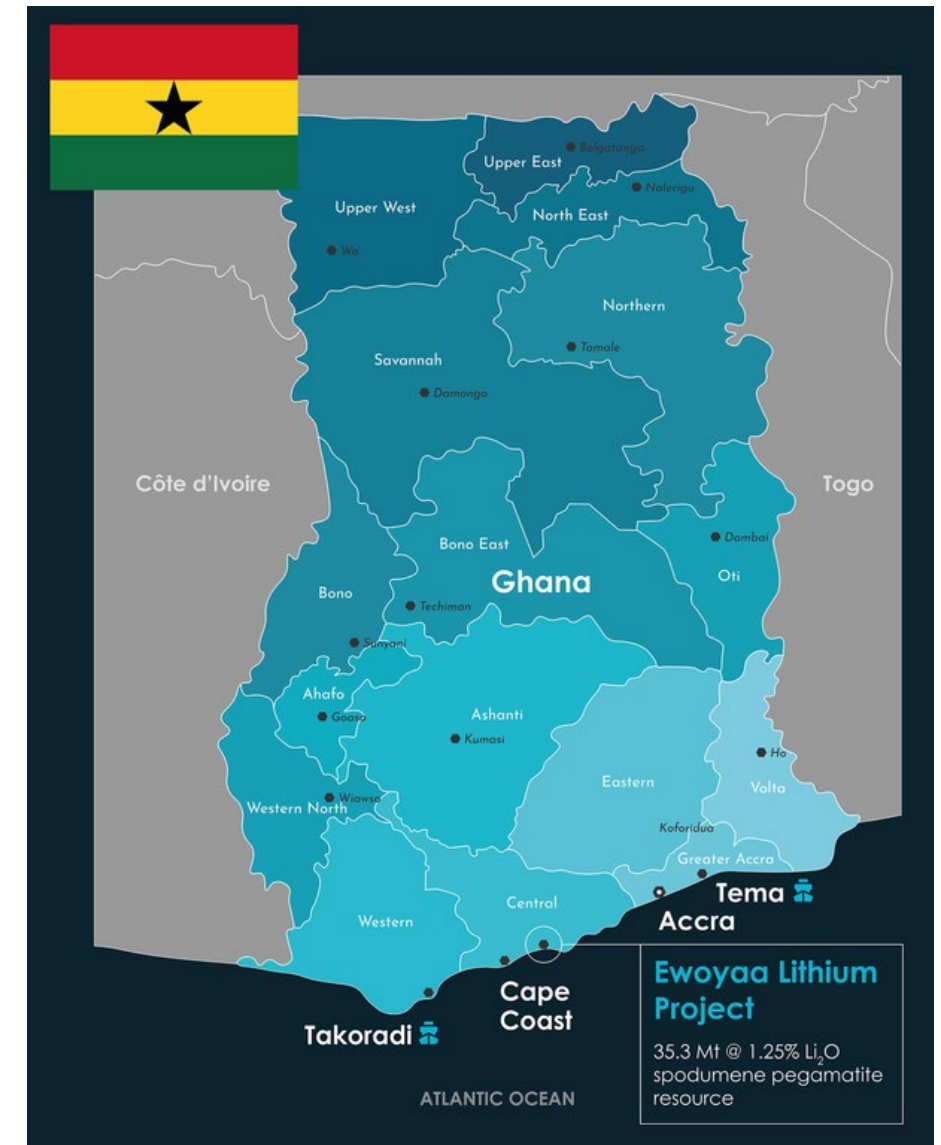
# EWoyAA LITHIUM PEGMATITE DISCOVERY IN GHANA

- ▲ Updated MRE\*\*
- ▲ 35.3Mt @ 1.25% Li<sub>2</sub>O (JORC 2012)
- 3.5Mt @ 1.37% Li<sub>2</sub>O (Measured)
- 24.5Mt @ 1.25% Li<sub>2</sub>O (Indicated)
- ▲ 18.9Mt @ 1.24% Li<sub>2</sub>O Reserve (based on previous Resource and Pre-Feasibility Study\*)
- ▲ Mining Lease process underway

Category	Gross		
	Tonnes (Mt)	Grade (% Li <sub>2</sub> O)	Contained Li Oxide (kt)
<b>Reserves*:</b>			
Proven	-	-	-
Probable	18.9	1.24	234
<b>Sub-total</b>	<b>18.9</b>	<b>1.24</b>	<b>234</b>
<b>Resources**:</b>			
Measured	3.5	1.37	48
Indicated	24.5	1.25	307
Inferred	7.4	1.16	86
<b>Sub-total</b>	<b>35.3</b>	<b>1.25</b>	<b>440</b>

\* Based on previous resource and PFS study; refer to important and cautionary statement on Page 2 and PFS release dated 22 September 2022

\*\* Refer to important and cautionary statement on Page 2 and updated MRE release dated 1 February 2023



# GHANA EWOYAA LITHIUM PROJECT – BEST IN CLASS



## Strategic location

- Established mining jurisdiction
- Coastal location
- Access to existing infrastructure, local green energy sources and grid power
- Global offtake interest



## Sustainability

- Low carbon footprint – low power requirements and short transport distances
- Rejuvenation activities
- Simple DMS processing
- Strong national employment and training programmes



## Exceptional financial outcomes\*

- Life of Mine revenues exceeding US\$4.84bn
- Post-tax NPV<sub>8</sub> of US\$1.33bn
- IRR of 224% over 12.5 years
- Payback of <5 months

\* Refer to important and cautionary statement on Page 2 and PFS release dated 22 September 2022

# SIMPLE METALLURGY DELIVERS PREMIUM SC6 PRODUCT

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Coarse spodumene

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Simple gravity process flow sheet

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>6% spodumene concentrate at 10mm crush via conventional DMS

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Heavy Liquid Separation recoveries up to 90%

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Low contaminants; <1%  $\text{Fe}_2\text{O}_3$ , <3% combined  $\text{Na}_2\text{O}$  &  $\text{K}_2\text{O}$

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Low capital intensity implied

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Battery-grade Li carbonate and Li hydroxide conversion successfully completed at ANSTO



Coarse spodumene in outcrop



Coarse spodumene pegmatite drill core



Spodumene concentrate



Coarse grained P1 & fine P2 pegmatites

# EXCEPTIONAL LOGISTICS

- ▲ Sealed road within 1km of deposit footprint
- ▲ 110km from project footprint to Takoradi port
- ▲ Takoradi Port currently exports 3Mt of Mn and approx. 1Mt Bx per year from existing facilities with available capacity
- ▲ Port being re-developed as a major West African oil, gas and bulk minerals hub
- ▲ Grid power adjacent to deposit footprint
- ▲ Green energy lithium option - Ghana 1.58GW of hydro capacity installed in 2017 and 2 x 40MW solar plants within 40km of project
- ▲ Skilled labour markets on doorstep



# PRE-FEASIBILITY STUDY DELIVERS ROBUST PROJECT ECONOMICS<sup>+</sup>

## Pre-Feasibility Study\* - 100% Project Basis

Based on: 30.1Mt @ 1.26% Li<sub>2</sub>O

US\$1,359/t SC6

2Mtpa ROM

NPV<sub>8</sub> US\$1.33bn (post tax)

IRR 224%

Payback < 5 months

Mine life 12.5 years

Average LOM Opex (FOB)  
Ghana US\$278/t  
(After by-product credits)

Annual Production 255,000tpa of SC6

Capex US\$125m

EBITDA US\$248m per annum

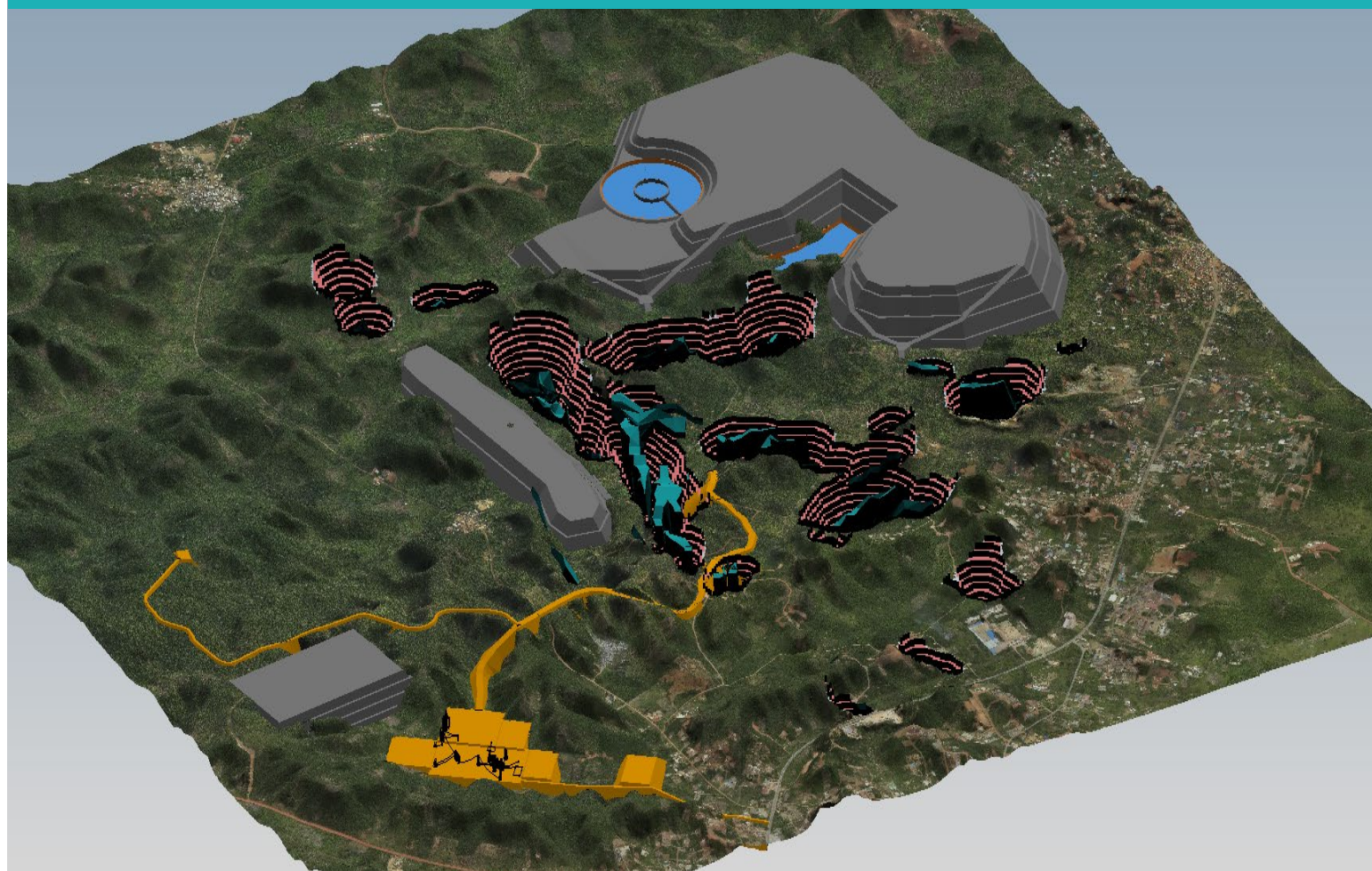
## Pre-Feasibility Study - Attributable 45% Project basis - when in production

NPV<sub>8</sub> US\$600m (post tax)

EBITDA US\$112m per annum

Revenue LOM US\$2.2bn

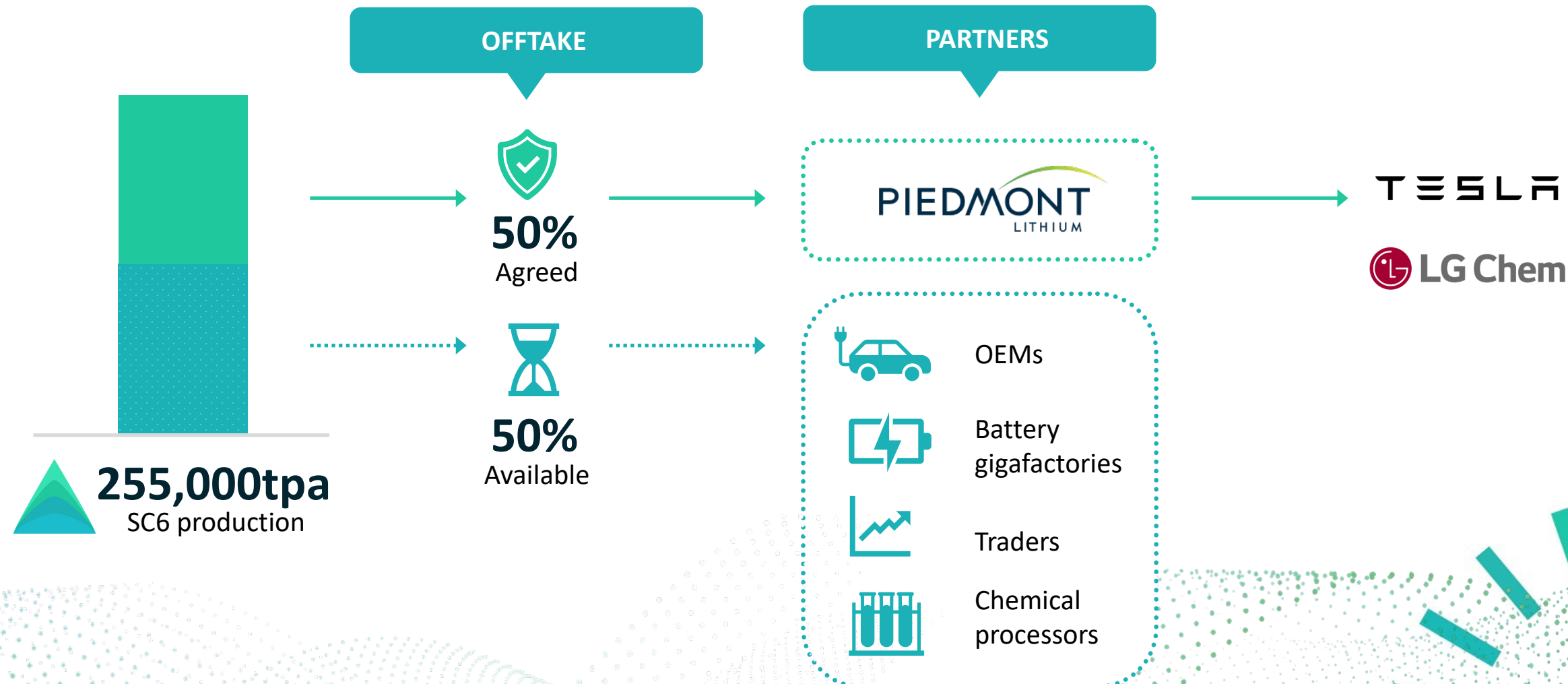
## Ultimate mining operation overview showing all associated project development infrastructure



\* Refer to important and cautionary statement on Page 2 and PFS release dated 22 September 2022

# THE ATLANTIC CONNECTION

Serving the growing North American and European EV market from West Africa



# PIEDMONT FUNDING AGREEMENT

Route to market secured



## Piedmont Partnership – Atlantic maintains control



### STAGE 1

Initial Investment into Atlantic Lithium Limited (c. US\$16m)

- ▲ Completed 31 August 2021

### STAGE 2

Funding of Regional Exploration and DFS (US\$18m)  
- Earn in 22.5% of Ghana Portfolio

- ▲ DFS criteria – final hurdle
- ▲ Stage 2 - Investment spend completed – all expenditure now shared equally

### STAGE 3

Funding of Capex

- Initial US\$70m – Sole funding
- PFS uplift US\$27.5m – 50% of requirement

- ▲ To deliver a 1.5Mtpa to 2Mtpa ROM operation for a 10-year to 8-year LOM respectively for a further 27.5% of Ghana portfolio

### EWOPYAA FUNDING (US\$m)

	PLL	ALL
Pre 30 June 2021	-	11
Stage 1	16	-
Stage 2 – Earn In	17	-
Stage 2 – Ongoing	2	2
Funding of Capex		
- Sole funding	70	-
- Shared	28	28
<b>Total</b>	<b>133</b>	<b>41</b>

- ▲ Estimate of funds spent by ALL and PLL on or Earning in to Ewoyaa Project, including Stage 1 Top Co investment and CAPEX to be spent from the PFS
- ▲ As at 31 March 2023

### OTHER KEY TERMS

- ▲ If Stage 3 capex spend does not proceed, Piedmont forfeit stage 2 earn in.
- ▲ Offtake Agreement for 50% of the annual lithium spodumene concentrate (SC6) production at market.
- ▲ Cost savings and additional expenditure will be shared equally between Atlantic and Piedmont.



EXPLORATION

Programme continuing



DISCOVERY

35.3Mt @ 1.25% Li<sub>2</sub>O



DEVELOPMENT

2Mtpa RUN OF MINE (PFS)



PRODUCTION

SC6 - 255,000tpa (PFS)



SALES

US\$4.84B (PFS Forecast)

\* Refer to important and cautionary statement on Page 2 and PFS release dated 22 September 2022.

# ACTING IN THE BEST INTERESTS OF LOCAL COMMUNITIES

Community consultations



Regeneration nurseries and revegetation



Work and education programmes



Ongoing environmental monitoring



ESIA underway



Event sponsorship



Equipment provision



Medical donations



# 2023 EXPLORATION AND RESOURCE PROGRAMMES

## Regional Exploration, Resource Growth & Infill Drilling

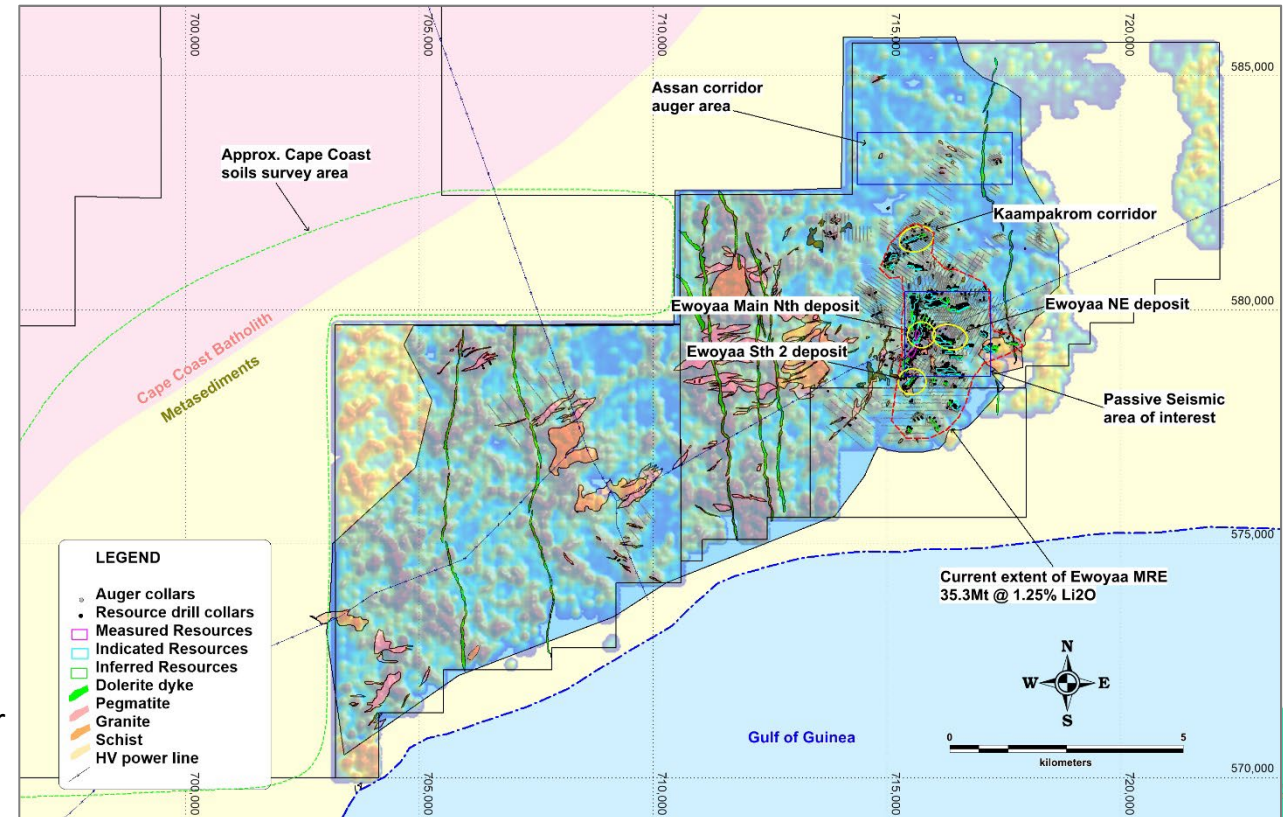


### 1. Exploration Programme

- ▲ 20,000m of auger drilling within Project area and broader Cape Coast Lithium Portfolio - now underway at the Assan target
- ▲ Passive seismic geophysics survey – testing for concealed pegmatite targets
- ▲ 6,500m of follow-up exploration RC drilling, dependent on results
- ▲ Soil geochemistry survey over the Cape Coast licence - now underway

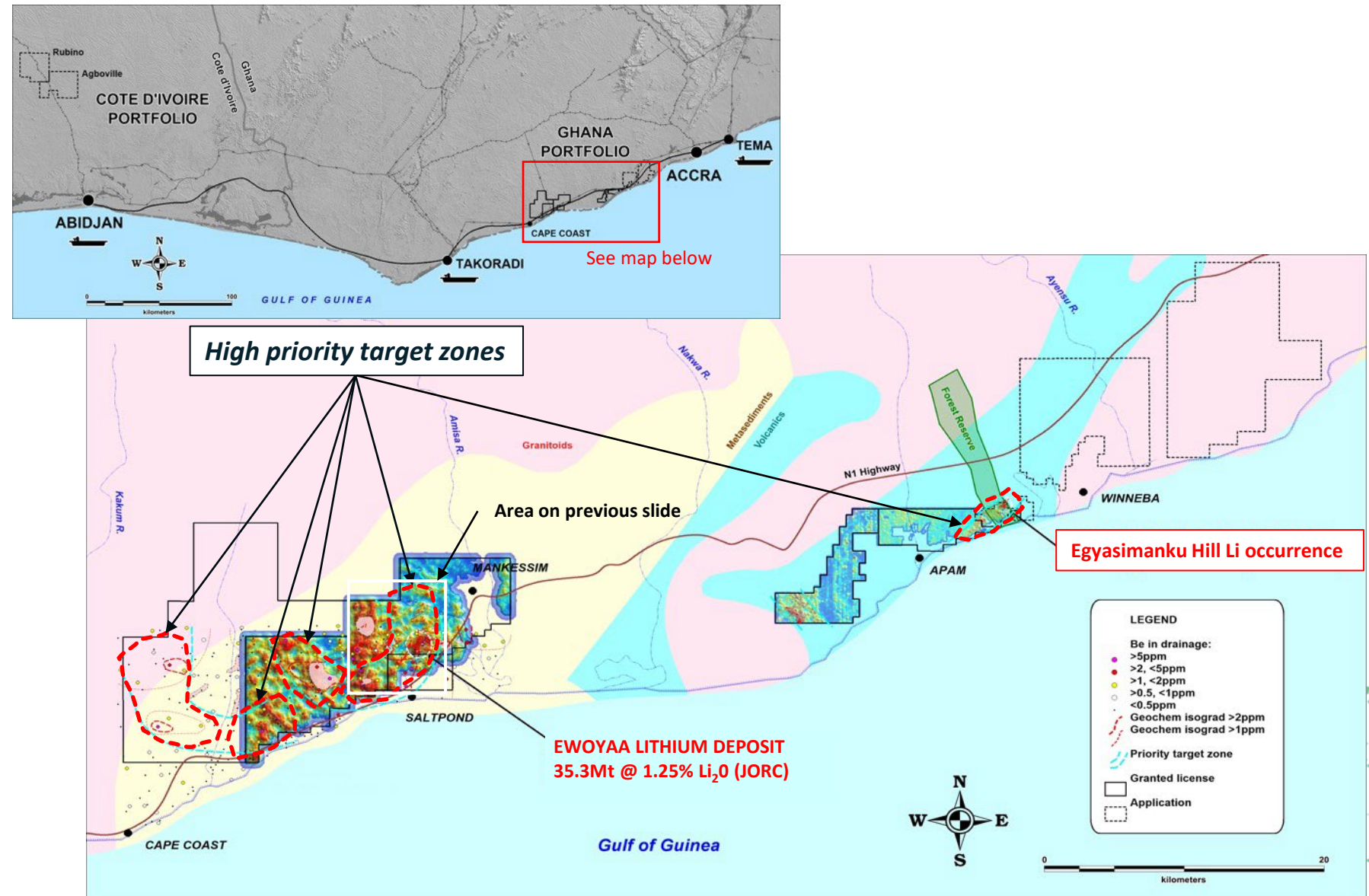
### 2. Resource Programme

- ▲ 10,000m of resource infill and extensional RC and DD:
  - ▲ 3,000m of infill drilling to convert Inferred to Indicated at Ewoyaa South 2 – access construction and drill pads underway
  - ▲ 7,000m of step out extensional drilling along strike and at depth – Ewoyaa Main, Ewoyaa NE and Kaampakrom corridor deposits
- ▲ 2,000m of DD for Project studies
- ▲ Analysis of pegmatite drill intersections to help define a feldspar MRE



# EXPLORATION UPSIDE MULTIPLE TARGETS DEFINED

- ▲ Only 15km<sup>2</sup> of 560km<sup>2</sup> (~3%) tenure portfolio drilled to date; predominantly within Ewoyaa corridor
- ▲ Regional target definition; Multiple untested targets
- ▲ Helicopter geophysics and grid soils completed over Cape Coast license
- ▲ Historical Egyasimanku Hill lithium occurrence



# STAGED DEVELOPMENT

## Increasing metal recovery and improving plant efficiency

### Stage 1 – DFS Project Development:

- ▲ Crush and screen to 3 size fractions (from 1-10mm) to improve cyclone performance
- ▲ Retain sales of natural occurring fines as a DSO by-product
- ▲ Model various mine throughput scenarios to optimise project outcomes

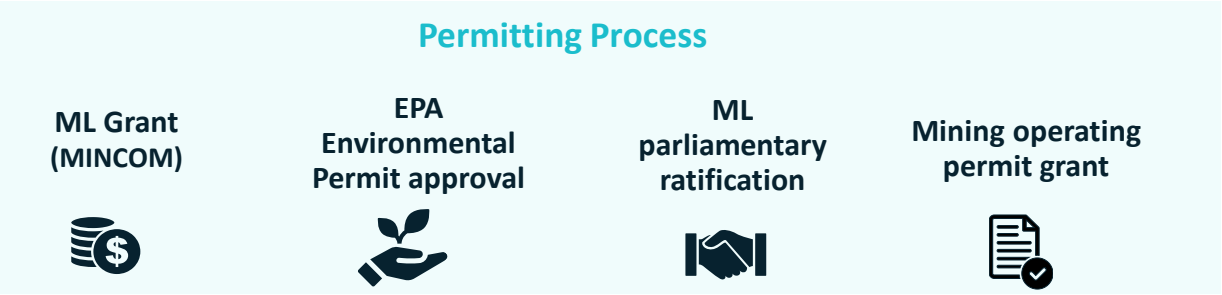
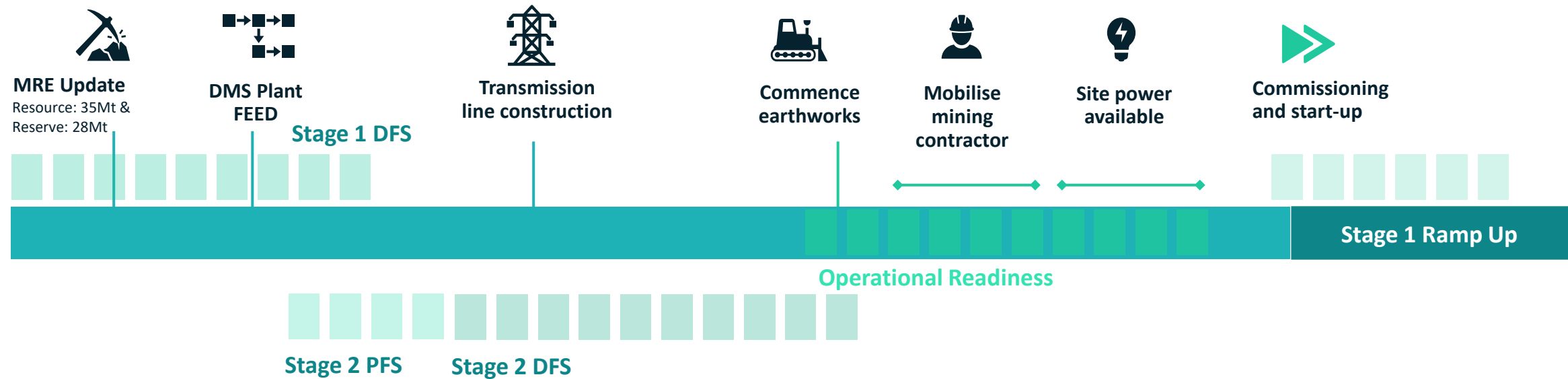
### Stage 2 - Scoping Studies, comprising of three separate value-adding streams:

- ▲ Evaluation of early SC6 production opportunities through the deployment of Modular DMS units to capitalise on the current SC6 price environment
  - ▲ Beneficiation of natural occurring fines to SC6
  - ▲ Production of feldspar by-product to reduce waste and to supply Ghana's growing ceramics industry
- 
- **Work ongoing to further optimise the Project's processes and economics**
  - **FEED and DFS progressing well**



# PATHWAY TO PRODUCTION

Targeting first concentrate 2025



# KEY MILESTONES AHEAD



## Corporate



Submission of Mining Lease application

Key team member appointments

Funding arrangement: investment, offtake, debt



## Exploration



Pre-Feasibility Study



Increased Mineral Resource Estimate to 35.3Mt @ 1.25%



Exploration and Resource programmes



## Project development



FEED



Definitive Feasibility Study

Mining Lease grant

Environmental Permit Approval

Final Investment Decision

Commence construction

# ATLANTIC LITHIUM AT A GLANCE



## Flagship Project

Ewoyaa, Ghana - 35.3Mt @ 1.25% Li<sub>2</sub>O\*\*



## Strong Cash Position

c. US\$11m for future growth



## Pre-Feasibility Study\*

- ▲ Post-Tax NPV US\$1.33bn
- ▲ Internal Rate of Return 224%
- ▲ Maiden Ore Reserve - 18.9Mt @ 1.24% Li<sub>2</sub>O<sup>+</sup>
- ▲ US\$4.84bn LOM revenues / US\$248m EBITDA



## Proven Premium Product

High grade SC6 with low contaminants / Successful battery grade conversion by ANSTO



## Piedmont Partnership

Secured funding of the Ewoyaa project



## Excellent Local Infrastructure

Sealed road network / Operational port and power / pro-mining jurisdiction



## Significant Exploration Upside

Only 15km<sup>2</sup> drilled of 1,334km<sup>2</sup> tenure package in Ghana and Côte d'Ivoire



## Strong ESG Credentials

>98% Ghanaian and Ivorian employment / Low carbon footprint



“ Advancing Ewoyaa through studies to become Ghana's first lithium producing mine ”

Neil Herbert  
Executive Chairman

\* Based on previous MRE of 30.1Mt @ 1.26% Li<sub>2</sub>O and PFS study; refer to important and cautionary statement on Page 2 and PFS release dated 22 September 2022

\*\* Refer to important and cautionary statement on Page 2 and updated MRE release dated 1 February 2023



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