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Our Position



Syrah is a major ex-China natural graphite and active anode material (AAM) supplier for global customers, with upstream and downstream expansion potential underpinned by its world-class Balama resource



Natural graphite and AAM demand is expected to increase three and four times, respectively, over the next 10 years¹



Syrah is the only operating vertically integrated natural graphite AAM supplier outside of China



Balama is an up to 350ktpa graphite producer in Mozambique supplying global battery anode and industrial customers since 2017



Ramping up production from the 11.25ktpa AAM facility at Vidalia with commercial sales arrangements in place with tier 1 customers

1. Benchmark Mineral Intelligence Flake Graphite Forecast, Q2 2024. Note: AAM demand is for natural graphite AAM.

Our ESG Profile





Leading ESG standards

- ✓ ISO:45001 and ISO:14001 certification at Balama
- ✓ ISO:9001 certification at Vidalia
- ✓ Vidalia facility being developed in line with best practice health, safety and environmental standards
- Critical Risk Management
 Framework embedded across the Group
- Robust strategies for employee relations, community development and stakeholder engagement



Best practice sustainability frameworks

- Sustainability frameworks guided by:
 - Global Reporting Initiative ("GRI")
 - United Nations Sustainable Development Goals ("SDGs")
 - International Council on Mining and Metals ("ICMM")
 - Initiative for Responsible Mining Assurance ("IRMA")
 - United Nations Guiding
 Principles on Business and
 Human Rights ("UNGPs")



Low carbon footprint

- ✓ Independent life cycle assessment ("LCA") completed
- ✓ Lower carbon emissions footprint (life cycle) of natural versus synthetic graphite
- ✓ Lower carbon emissions footprint (life cycle) versus Chinese supply routes
- ✓ Solar and Battery Hybrid System operating at Balama
- Implementing initiatives to lower carbon footprint further



Auditable back to source

- ✓ Fully integrated by Syrah from mine to customer
- ✓ Vidalia products have a single chain of custody back to the source

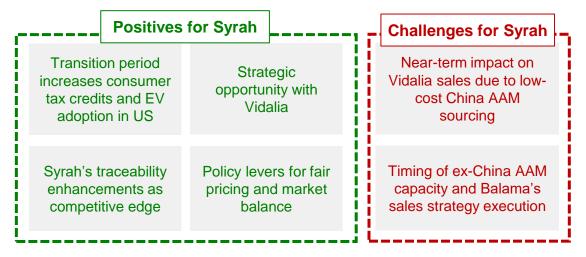
US Inflation Reduction Act - Section 30D consumer tax credits



AAM supply routes	Ore extraction and concentration	Spherical graphite and purification processing	Finished AAM	Section 30D EV tax credit
Syrah AAM	Mozambique	USA	USA	Section 30D credit No China import tariffs
Ex-China AAM	Ex-China / non-FEOC (e.g. Mozambique)	Ex-China / non-FEOC	USA or FTA Country	Section 30D credit dependent value add in USA/FTA country No China import tariffs
	Ex-China / non-FEOC (e.g. Mozambique)	Ex-China / non-FEOC	Ex-USA or Non-FTA Country	No Section 30D credit No China import tariffs
	Ex-China / non-FEOC (e.g. Mozambique)	FEOC	USA or FTA Country	No Section 30D credit No China import tariffs
	FEOC	Ex-China / non-FEOC	USA or FTA Country	No Section 30D credit No China import tariffs
	FEOC	FEOC	USA or FTA Country	No Section 30D credit No China import tariffs
China AAM	China	China	China	No Section 30D credit US import tariffs
FEOC Neutral country USA / FTA country				

FTA = Free Trade Agreement; FEOC = Foreign Entity of Concern.

- IRA requires sourcing of non-FEOC (i.e. ex-China) graphite for US EVs to potentially qualify for a consumer tax credit under Section 30D
- Transition period granted delaying sourcing of non-FEOC graphite from 1
 January 2025 to 1 January 2027 if actions towards 2027 compliance are
 demonstrated aimed at driving higher EV adoption however reduces nearterm non-FEOC sourcing incentive



 Clarification by the US Government on the "transition rules" for graphite sourcing prior to 1 January 2027 is imperative for Syrah's near-term sales into ex-China battery supply chains informing near-term operating plans and for progression of the Vidalia Further Expansion project

Now from 1 January 2027, EVs sold in the US with batteries that have graphite extracted and/or processed by a FEOC will be disqualified from the critical minerals component of the Section 30D consumer tax credit

Q2 2024 Highlights



Balama & Vidalia

 24_{kt} Balama production

\$460r

Balama C1 costs (FOB Nacala/Pemba) in operating period¹

10_k

Natural graphite sold and/or shipped²

\$735/t Weighted average sales price (CIF)3

- Balama recovery of 78% during operating period with strong cost and ESG performance
- <US\$4m per month Balama C1 fixed costs in the non-operating period
- Higher proportion of high-priced coarse flake sales and lower fine flake sales to Chinese anode customers reflective of record low prices
- Operations at the 11.25ktpa AAM Vidalia facility ramping up with solid capacity utilisation demonstrated in all primary process areas
- On-specification production samples dispatched to customer with positive initial stage qualification feedback received from three tier 1 battery manufacturers
- Vidalia AAM sales expected from early 2025 as expanded qualification requirements and timelines are being introduced by customers concurrently with US Government policy changes and low-cost Chinese AAM import availability
- FID on Vidalia's expansion to a 45ktpa AAM, inclusive of 11.25ktpa AAM, production capacity ("Vidalia Further Expansion") is awaiting Vidalia sales and dependent on customer and financing commitments

Market & Corporate

- Global EV sales in Q2 2024 up 24% compared to Q2 2023 to ~4.0 million units⁴, biased to stronger growth in China
- Guidance on the US Inflation Reduction Act delays the requirement for ex-China graphite sourcing to 1 January 2027 for US EVs to qualify for consumer tax credits – clarification of "transition rules" is imperative for Syrah's near-term sales into ex-China battery supply chains
- Oversupply of synthetic graphite AAM and unsustainable price competition in the Chinese domestic battery market
- Syrah is taking action to deal with the impacts of recent market, policy and customer developments on nearterm cash flows
- Further cost saving initiatives are underway considering reduced Balama campaign production rate and curtailed Vidalia ramp-up operations pending market catalysts and customer purchasing intent
- Quarter end cash balance of US\$82m, including US\$41m restricted cash
- US\$150m binding loan agreement with US DFC will be finalised shortly to provide long-term working and sustaining capital support to Balama⁵

Health & Safety







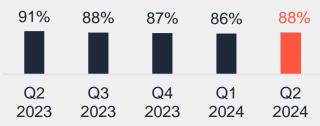
- 1. Pro-forma for Balama operating periods.
- 2. No shipments to Vidalia.
- Based on third-party customer sales.
- Source: Source: GlobalData, China Passenger Car Association and CleanTechnica. June 2024 includes Syrah's estimate for EV sales in selected countries (~260k total).
- 5. Refer ASX release 11 September 2023.

Balama Production, Operations and Sales

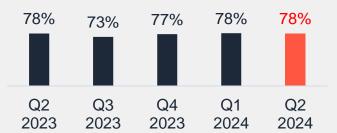
Plant operations and production in campaigns since Q2 2023

Natural Graphite Production (kt) Q2 2023 2023 2023 2024 2024









C1 Costs (US\$/t1)



Sales and Shipments (kt)



Weighted Avg. Sales Price² (US\$/t³)











11.25ktpa AAM Vidalia facility commenced production in February 2024 🙏 SYRAH RESOURCES





Milling area



Purification area



Furnace area

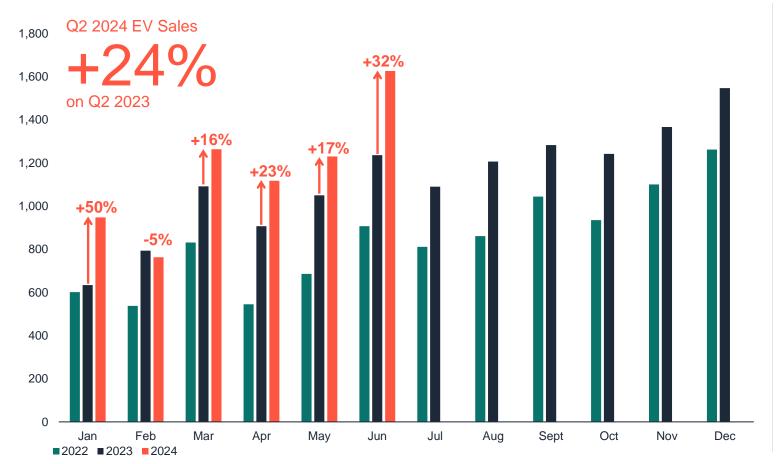


Aerial view

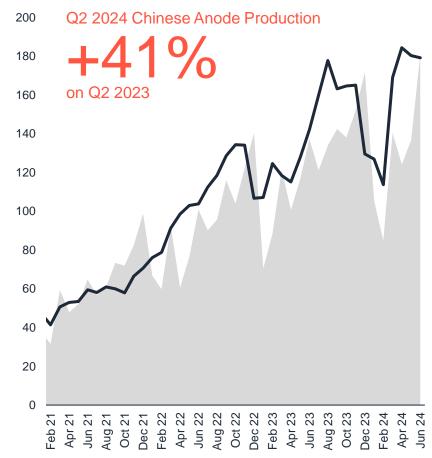
Volatile China anode production continues in Q2 2024







China Monthly Anode Production (kt)²



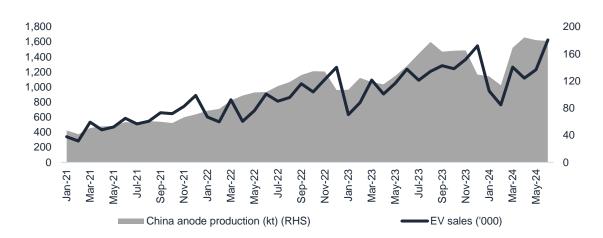
^{1.} Source: GlobalData, China Passenger Car Association and CleanTechnica. June 2024 includes Syrah's estimate for EV sales in selected countries (~260k total).

^{2.} Source: ICCSino. Notes: Includes China natural graphite AAM and synthetic graphite AAM production; global monthly EV sales profile shown in grey.

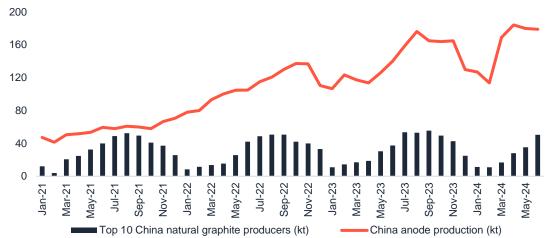
Short-term conditions remain challenging



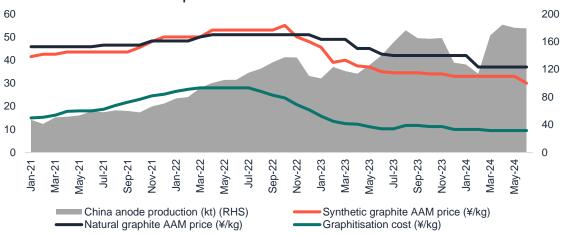
Global EV sales¹ vs. China Anode Production²



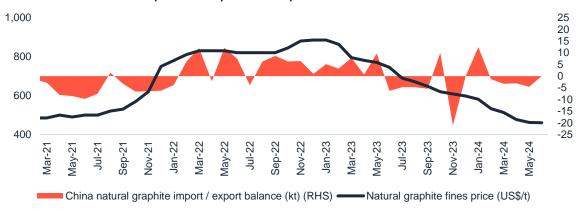
China Natural Graphite Production vs. China Anode Production²



Anode Prices and Graphitisation Costs vs. China Anode Production^{2,4}



Natural Graphite Fines Prices vs. China Natural Graphite Import / Export Balance^{3,5}



Source: GlobalData, China Passenger Car Association and CleanTechnica. June 2024 includes Syrah's estimate for EV sales in selected countries (~260k total). 2. Source: ICCSino. 3. Source: China customs data.

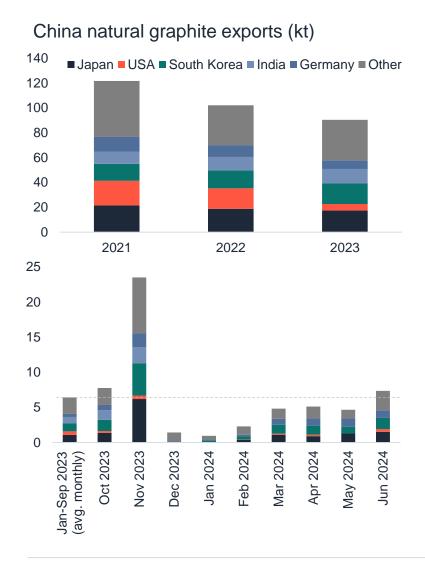
Anode prices shown are observable mid-point prices for "domestic/mid-range" natural and synthetic graphite AAM. The prices are not necessarily indicative of a landed USA price for AAM nor the price that Vidalia AAM will be sold at.

^{5.} Source: Asia Metals (Price Reporting Agency). China FOB prices for natural graphite fines (94% grade; -100mesh). Syrah's historical weighted average sales prices include sales under a mix of contract types and pricing mechanisms and are not necessarily representative of natural graphite spot prices nor consistent with the natural graphite price assessments of price reporting agencies. Furthermore, prices of China sales, within Syrah's historical weighted average sales prices, are exclusive of China VAT.

China graphite controls immediately impacted ex-China market 🙏 syrah resources

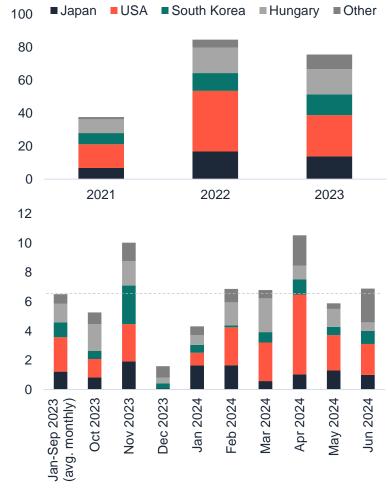


China graphite export volumes have increased significantly from January 2024









Syrah Market Position





Syrah can capitalise on a graphite market in structural flux



Geopolitical and commercial developments in graphite and AAM drive increased opportunities for Syrah margin and volume

Market developments



Attractive graphite market outlook relative to other battery materials – graphite offers countercyclical growth and supply / demand balance as other battery materials move into periods of oversupply or equilibrium in the short to medium-term



Minimal medium-term ex-China supply – economics for new ex-China projects are not supported by today's pricing; long lead time development



Scale of addressable market – deep pipeline of Ex-China battery facilities are expected to consume >2 million tonnes per annum of graphite AAM by 2030, with greater diversification and localisation required in natural graphite and anode precursor product sourcing



Geopolitical and policy tailwinds – long-term forecast ex-China supply / demand imbalance for natural graphite driving supportive Government and Policy decisions for ex-China suppliers

Syrah advantages



Long-term, large scale vertically integrated supply – Syrah is the only integrated ex-China natural graphite AAM supplier



Advanced standing vs peers – 8-year head start on ex-China new entrants on technology / know-how, qualification & sales, development, operations and ESG / quality in products



Geopolitically independent – demonstrated US processing capacity and capability to replicate in other locations; Government recognition of Syrah's position



US Inflation Reduction Act compliant – non-Foreign Entity of Concern, qualified and auditable natural graphite and AAM supply source, enabling Syrah and its customers potential access to IRA funding and tax benefits



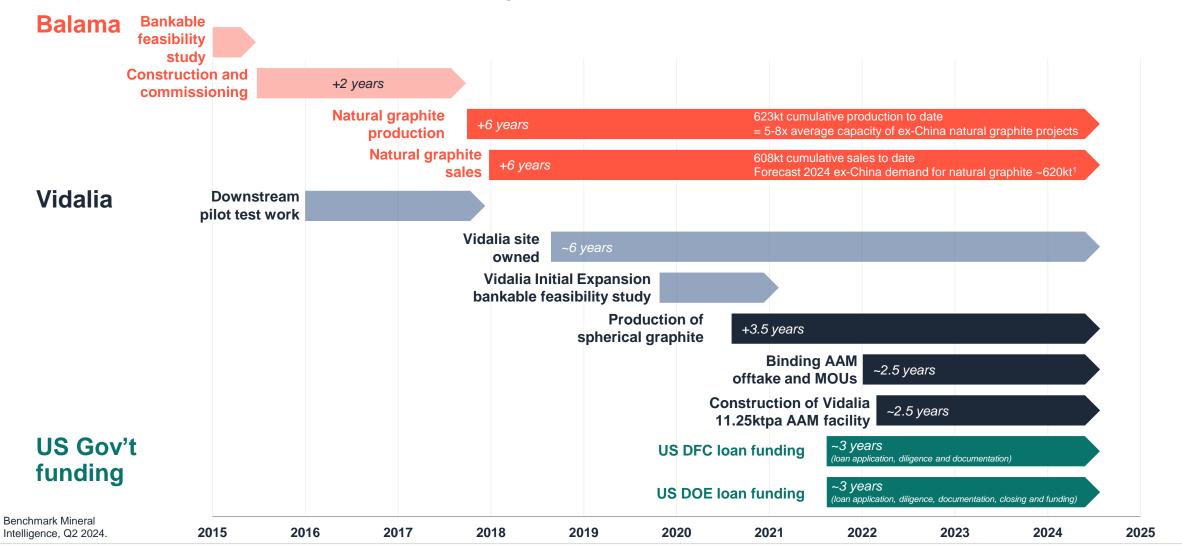
Differentiated ESG position – lower environmental impacts and trusted accreditations (quality and ESG); position demonstrated in operations

Syrah leads ex-China industry in development and operations



SYRAH RESOURCES

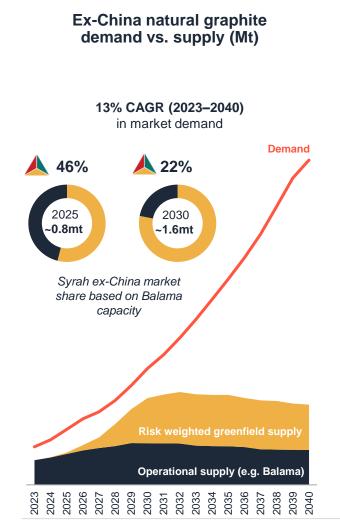
>9 years advanced on ex-China peers, with >US\$700m of investment to date in development, operations, product qualification and commercial sales; deep operating experience



Ex-China market size and growth opportunity for Syrah is clear 🙏



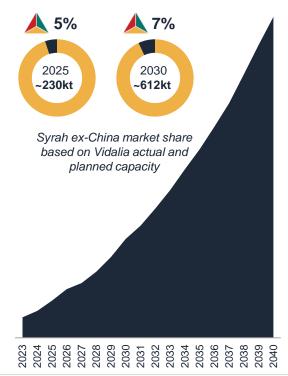
Syrah's existing and planned production capacities represent only a fraction of the opportunity in the ex-China addressable market – lead time advantage creates further opportunity



Natural graphite AAM for ex-China battery cell demand (kt)

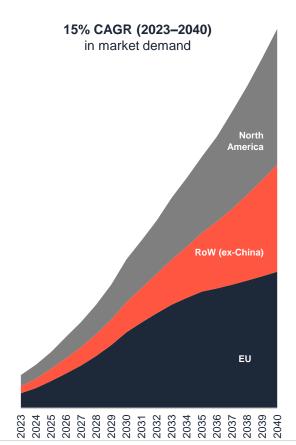
Proxy for ex-China natural graphite fines demand

> 18% CAGR (2023-2040) in market demand



Ex-China battery cell demand (MWh)

Proxy for AAM demand



- Significant growth in EV, battery cell, AAM and natural graphite demand forecasted outside of China
- **Development of ex-China natural** graphite and AAM supply has and will not match ex-China demand leaving ex-China customers reliant on Chinese supply and less resilient
- **Ex-China opportunity and** addressable market for Syrah is enormous - ~US\$1.5bn p.a. natural graphite and ~US\$4bn p.a. AAM by 2030
- Syrah's existing and currently planned production capacities for natural graphite and AAM represent a fraction of addressable market outside of China highlighting the growth opportunity

Source: Benchmark Mineral Intelligence.

Syrah is a global vertically integrated graphite supplier





Additional AAM capacity development strategy

Syrah aims to become a leading supplier of anode materials, with significant supply potential (100ktpa+ AAM) underpinned by Balama's world class resource

North America

Further expansion of Vidalia (beyond 45ktpa AAM capacity), joint venture development of AAM facilities at other sites and other commercial downstream opportunities in North America with Balama natural graphite supply

Europe

Joint venture development of downstream AAM facilities in multiple sites and other commercial downstream opportunities with Balama natural graphite supply

Asia (ex-China)

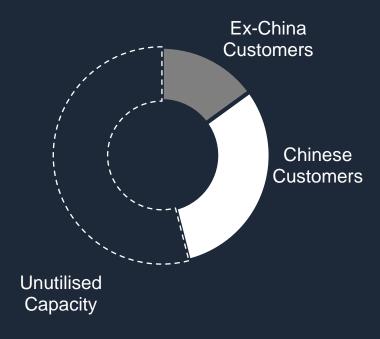
Significant downstream opportunity in Asian (ex-China) markets with China/South Korea/Japan battery manufacturers and anode companies in joint development of spherical and AAM facilities with Balama natural graphite supply

Syrah fundamentally changing Balama sales composition



Driving toward higher and more stable utilisation of Balama's production capacity

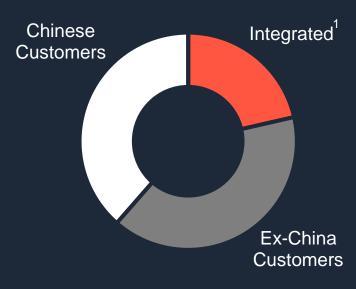
Balama sales composition (2022)



Balama sales composition (2023)



Target Balama sales composition (2027)



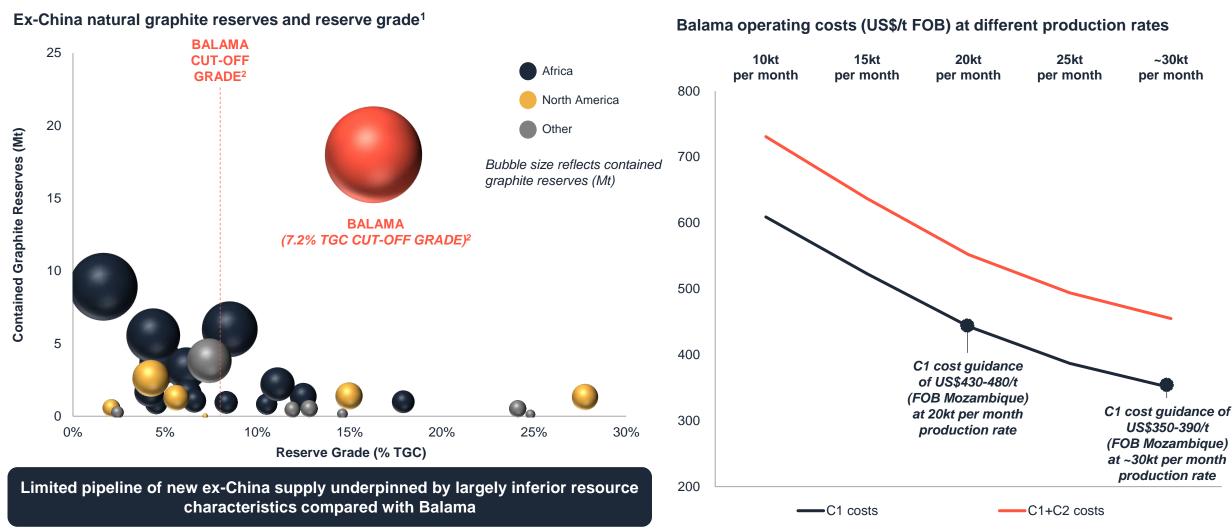
2027 target drivers:

- Executed offtake agreements with Posco Future M, Westwater and Graphex
- Engaged with 10 ex-China AAM customers for Balama natural graphite supply
- US Government policy on non-FEOC graphite supply for IRA consumer tax credits

^{1.} Integrated customer refers to Syrah's Vidalia AAM facility.

Balama is the premier graphite resource and operation





^{1.} Sources: Company filings; Selected ASX / TSX-listed graphite projects with declared Reserves only and excludes Chinese producers. Based on long-term price forecasts for natural graphite products. Bubble size reflects contained graphite reserves; data current as at 30 April 2024.

^{2.} As at 31 December 2023. The Ore Reserve is based on, and fairly represents, Syrah's ASX announcement dated 25 March 2023 (2023 Annual Report), which was prepared by competent person, Mr Jon Hudson. The Mineral Resource is based on, and fairly represents, Syrah's ASX announcement dated 25 March 2023 (2023 Annual Report), which was prepared by competent person, Mr Julian Aldridge.

Vidalia is the cornerstone of Syrah's downstream business



Downstream expansion is underpinned by Balama's world-class resource



Vidalia's attractive economics are built on cost and price experience 🙏 syrah resources



Potential for significant margin upside as new project inducement drives marginal pricing

Economics of Vidalia facility (45ktpa AAM capacity)¹

AAM price (2023 real)	US\$5.00 – 7.00/kg
NPV ² (post-tax)	US\$208 - 794m
IRR ² (post-tax, nominal)	15 – 26%
Long-term EBITDA (2023 real)	US\$103 – 192m per annum
Long-term EBITDA margin	44 – 60%

Vidalia's economics will be significant at AAM prices required to induce new ex-China supply and with adoption of market-based pricing mechanisms in offtake

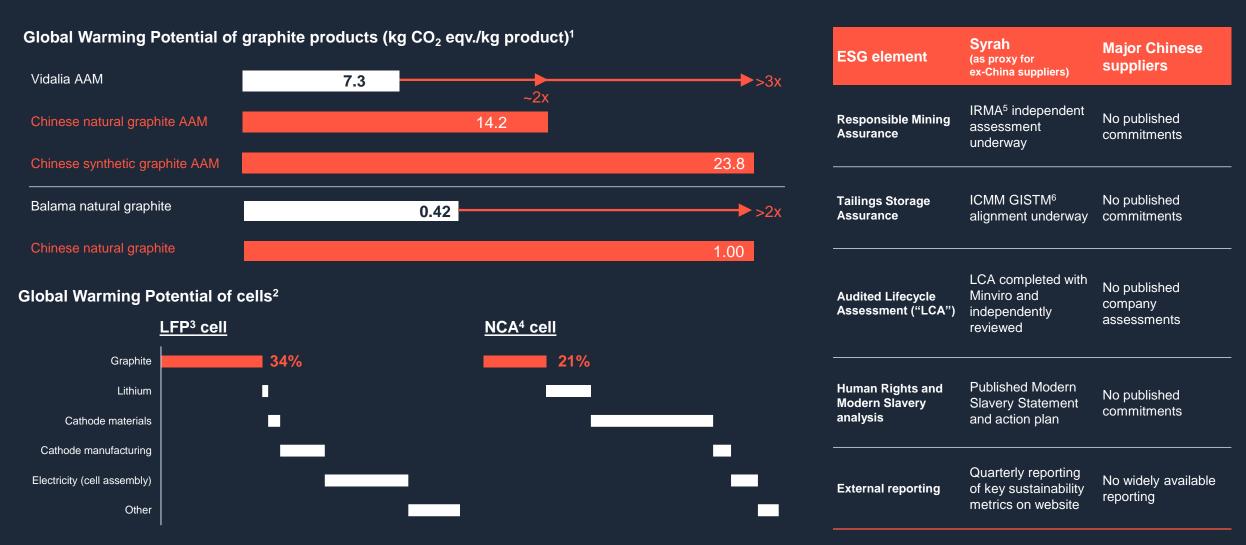
Long-term natural graphite AAM price assumption (US\$/kg)³



- Refer ASX release 27 April 2023 for Syrah. Assumes cost of US\$425/t (FOB Nacala) for Balama natural graphite, reflecting an approximate all-in cost of production at Balama at full plant utilisation. Includes costs of transporting Balama natural graphite from Nacala to Vidalia and maintenance costs.
- NPV adopts a 10% nominal discount rate. Project NPV and IRR is as at 1 April 2023 and incorporates 25 years of operations of the 45ktpa AAM Vidalia facility. Capital costs invested in the Vidalia Initial Expansion project and Vidalia Further Expansion project (including for the DFS) prior to 31 March 2023 are treated as sunk costs for the purposes of calculating NPV and IRR. NPV and IRR incorporates the Advanced Manufacturing Production Credit (Section 45X) under the IRA, for which Syrah expects Vidalia will be qualified for.
- Source: Publicly available technical studies and feasibility reports. Projects do not necessarily propose to produce the same specification of AAM as Vidalia. However, all projects propose to produce a coated spherical graphite material.
- Source: ICCSino. Prices are observable mid-point prices for "domestic/mid-range" natural graphite AAM, converted at a USD/CNY exchange rate and adjusted for China VAT (13%) and an assumed US\$100/t ocean freight rate between China and USA. Note these prices are not necessarily indicative of actual landed USA prices for AAM.
- Novonix is a synthetic AAM project that has been included for comparison.
- Remaining capital costs for downstream anode processing facility only.
- Includes contingency and excludes infrastructure capital costs.
- Includes mine and upstream natural graphite processing.
- Post-tax IRR.

Syrah's ESG position provides lower emissions & traceability





^{1.} Source: Minviro Ltd's lifecycle assessment on Syrah. Notes: Global Warming Potential ("GWP") is defined as the cumulative radiative forcing, both direct and indirect effects, over a specified time horizon resulting from the emission of a unit mass of gas related to some reference gas [CO2: (IPCC 1996)]. GWPs shown are a forecast life of operation average for Vidalia based on detailed engineering and include scope 1, scope 2 and scope 3 greenhouse gas emissions. Syrah's LCA meets the requirements of ISO14040/14044 standards and has been critically reviewed by a third-party. 2. Source: Tesla 2022 Impact Report. 3. Lithium Ferrophosphate. 4. Nickel-Cobalt-Aluminium. 5. Initiative for Responsible Mining Assurance.
6. International Council on Mining and Metals, Globally Industry Standard on Tailings Management.

Syrah's incumbent position has key advantages



New ex-China demand, low alternative supply; upstream natural graphite and downstream AAM operations

Syrah's opportunity

Transition to higher margin Balama sales

Rapidly expanding customer base across ex-China anode capacity and existing China base requiring high volume natural graphite supply

Clear lead-time advantage building ex-China AAM sales

Ex-China battery manufacturers and auto OEMs requiring secure, long term, high volumes of ex-China AAM supply

Stakeholders and customers motivated to underpin further expansion

Expansion opportunity in multiple products (natural graphite & AAM) and jurisdictions (North America, Europe, Asia ex-China)

Customer driven product iteration and government support

Incumbent production capability and supply qualification Government critical minerals definition and strategic funding and support mechanisms

Portfolio position and new market factors give Syrah opportunity to supply large volume, long-term offtake for natural graphite and AAM, underpinning Syrah's pursuit of:

- Long-term market price-linked supply contracts
- Project development opportunities

- Strategic partnership and collaboration opportunities
- Non-dilutive Government, commercial and supply chain funding

Syrah's 2024 targets embedding unique advantages

Recent milestones

Dec-21 – Binding offtake agreement with Tesla for the supply of natural graphite AAM from Vidalia

Jul-22 – Received a US\$102m binding loan from US DOE for the initial expansion of Vidalia

Jul-22 – Non-binding MOU with Ford and SK On for AAM material supply to the BlueOval SK JV

Oct-22 – Non-binding MOU with LG Energy Solution for natural graphite AAM supply from Vidalia

Dec-22 – Tesla exercised its option to offtake an additional 17ktpa natural graphite AAM from the Vidalia 45ktpa expansion

Apr-23 – Vidalia DFS confirmed that expansion to 45ktpa AAM production capacity is technically viable, financially robust and expected to generate significant value for Syrah

Aug-23 – Natural graphite binding offtake agreements executed with Graphex Technologies and Westwater Resources for Balama natural graphite to be supplied to proposed US-based AAM processing facilities

Aug-23 - Non-binding MOU with Samsung SDI for natural graphite AAM supply from Vidalia

Feb-24 – Fully integrated AAM production commenced from 11.25ktpa AAM Vidalia facility

Mar-24 – Binding long-term offtake with Posco Future M for Balama natural graphite

Apr-24 – 10kt breakbulk sale to PT Indonesia New Energy Materials in Indonesia



Remaining 2024 targets

- Commercial and offtake sales from 11.25ktpa AAM facility at Vidalia
- Offtake agreements for the Vidalia Further Expansion project
- US DOE conditional loan commitment for the Vidalia Further Expansion project
- FID on the Vidalia Further Expansion project
- Commercial arrangements to accelerate Syrah's exposure to ex-China downstream market
- Balama natural graphite offtake with ex-China AAM customers
- US\$150m binding US DFC loan and initial loan disbursement for Balama

Our Valuation Proposition



Syrah is leading ex-China natural graphite and anode material production capacity and sales growth



Vertical Integration

- Natural graphite from Balama for AAM producers
- AAM from Vidalia for battery makers and auto OEMs



Operating and Development

- Largest integrated natural graphite operation globally
- First vertically integrated natural graphite AAM supplier outside of China



Cost Position

- Cost competitive AAM supply from Vidalia
- Sustainable and low-cost curve position at Balama with project development capital already fully invested



ESG Position

- Leading ESG standards and sustainability frameworks
- Low greenhouse gas emissions footprint
- Single chain of custody offers full auditability and transparency



Expansion Potential

- Significant downstream expansion potential at Vidalia and ex-China markets
- Upstream brownfield expansion potential at Balama

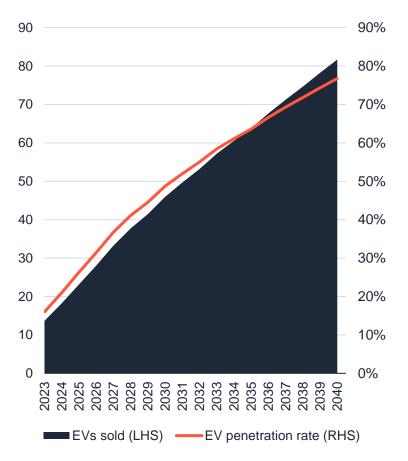
Appendix



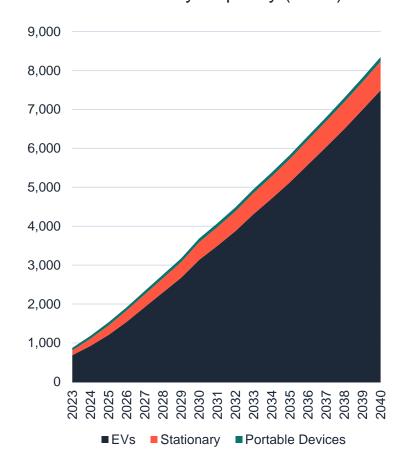
Battery and natural graphite fines (-100mesh) demand is in the early stages of growth – driven by EV adoption



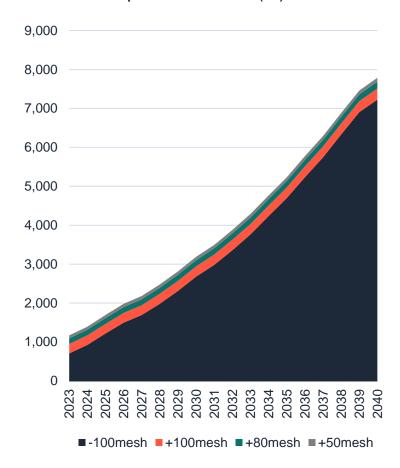




Lithium-ion Battery Capacity (GWh)



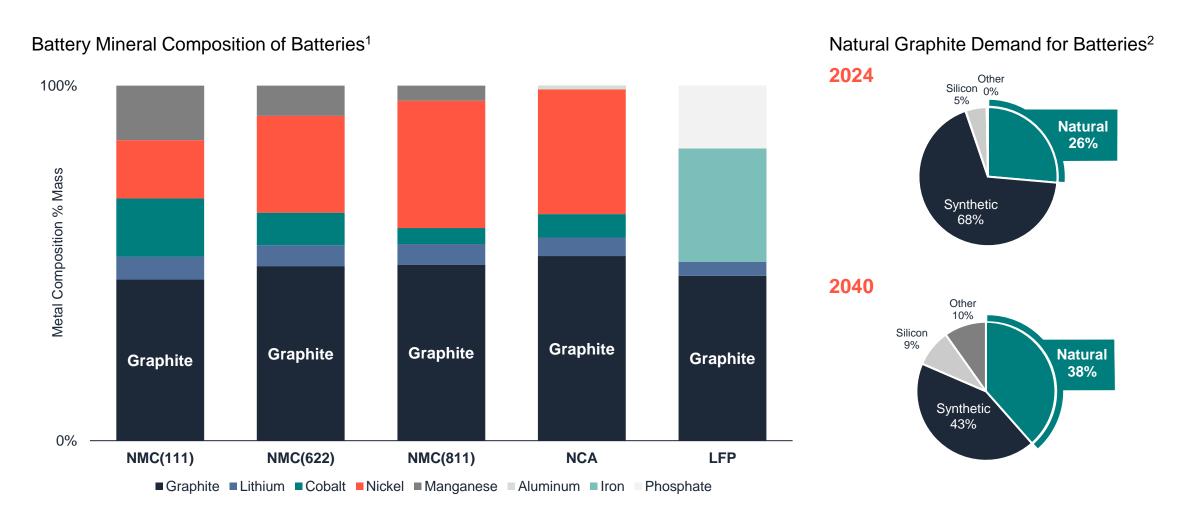
Natural Graphite Demand (kt)



Source: Benchmark Mineral Intelligence Flake Graphite Forecast, Q2 2024

Graphite is a high intensity material in EV batteries, with costs / emissions expected to drive shift towards natural graphite





^{1.} Source: Syrah Resources analysis, data from Gaines, L., Richa, K., & Spangenberger, J. (2018) Key issues for Li-ion battery recycling (excludes oxygen). Notes: NMC: Lithium nickel manganese cobalt oxide battery; NCA: Lithium nickel cobalt aluminium oxide battery; LFP: Lithium iron phosphate battery.

^{2.} Source: Benchmark Mineral Intelligence Flake Graphite Forecast, Q2 2024.

Syrah's global business to supply growing battery anode demand



