EVOLUTION ENERGY MINERALS

SUSTAINABLE GRAPHITE PRODUCTS
FOR THE GLOBAL
GREEN ECONOMY

February 2022



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Mineral Resources

The Chilalo Mineral Resource estimate was reported by Evolution in the prospectus dated 28 September 2021, as supplemented by a supplementary prospectus dated 6 October 2021 (collectively, the Prospectus). Evolution confirms that it is not aware of any new information or data that materially affects the Chilalo Mineral Resource estimate included in the Prospectus and that all material assumptions and technical parameters underpinning the Chilalo Mineral Resource estimate in the Prospectus continue to apply and have not materially changed.

Ore Reserves

The Chilalo Ore Reserve estimate was reported by Evolution in the prospectus dated 28 September 2021, as supplemented by a supplementary prospectus dated 6 October 2021 (collectively, the Prospectus). Evolution confirms that it is not aware of any new information or data that materially affects the Chilalo Ore Reserve estimate included in the Prospectus and that all material assumptions and technical parameters underpinning the Chilalo Ore Reserve estimate in the Prospectus continue to apply and have not materially changed.

Exploration results

In relation to the exploration results included in this Presentation, the dates of which are referenced, Evolution confirms that it is not aware of any new information or data that materially affects the information included in those announcements.

Forecast Financial Information

The forecast financial information (and the production target on which such forecast financial information is based) in this Presentation was reported by Evolution in the prospectus dated 28 September 2021, as supplemented by a supplementary prospectus dated 6 October 2021 (collectively, the Prospectus). Evolution confirms that it is not aware of any new information or data that materially affects the forecast financial information included in the Prospectus and that all material assumptions underpinning the forecast financial information (and the production target on which such forecast financial information is based) continue to apply and have not materially changed.

Acknowledgments

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SUSTAINABLE GRAPHITE PRODUCTS FOR GLOBAL GREEN ECONOMY



Development-ready Chilalo Graphite Project in Tanzania

58% > 80 Mesh

World leading flake size = highest margins



Targeting sustainable battery anode materials without toxic chemicals



Goal to become world's first net zero carbon graphite mine



Sustainability focus will drive customer and investor interest



Once-in-a-generation graphite demand opportunity



Extensive product qualifications will result in quality offtakes and technology partnerships



Framework agreement to provide certainty



Strategic cornerstone investor to drive project financing

CORPORATE OVERVIEW

DEC 2021



JAN 2022

FEB 2022

EVOLUTION ENERGY MINERALS

BOARD



Phil Hoskins
MANAGING DIRECTOR

Phil is the Executive responsible for the development of Chilalo since 2014. Eight years 'graphite experience.



Trevor Benson
NON-EXECUTIVE CHAIRMAN

Trevor was the Executive Chairman for Tanzanian graphite company, Walkabout Resources Ltd and has 6 years' graphite market experience.



Michael Bourguignon EXECUTIVE DIRECTOR

Michael was the Project Manager for the construction of Syrah Resources' Balama graphite project in Mozambique.



Amanda van Dyke

Amanda is currently the MD of the ARCH Sustainable Resources

KEY ADVISOR



Chris Whiteley
INTERNATIONAL SALES & MARKETING CONSULTANT

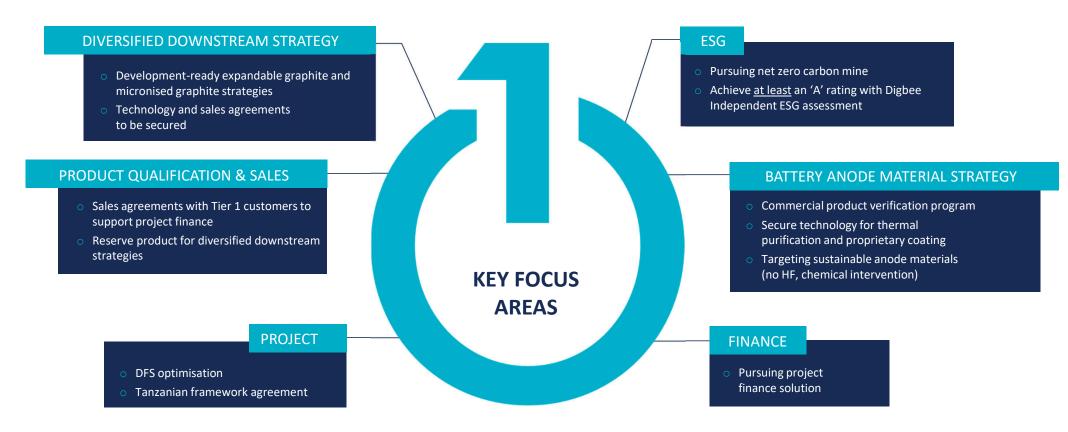
Chris has been actively involved in all aspects of graphite marketing and product development for more than 25 years.

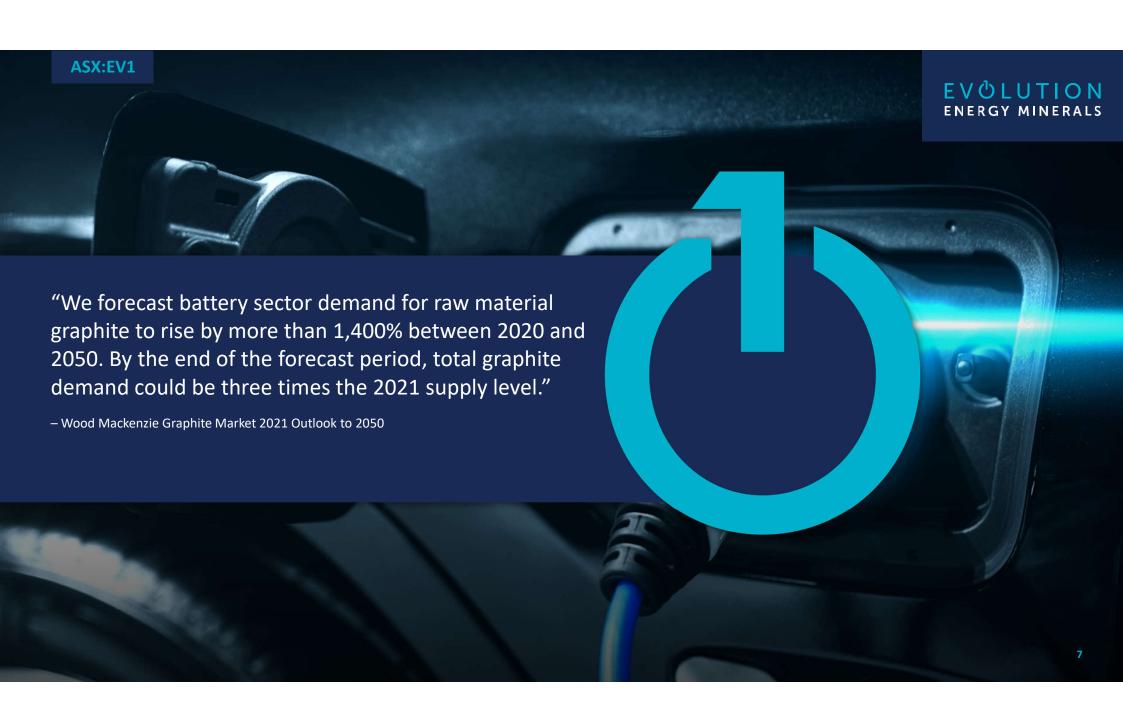


KEY FOCUS AREAS TO DRIVE VALUE

Evolution targeting FID by H2 2022

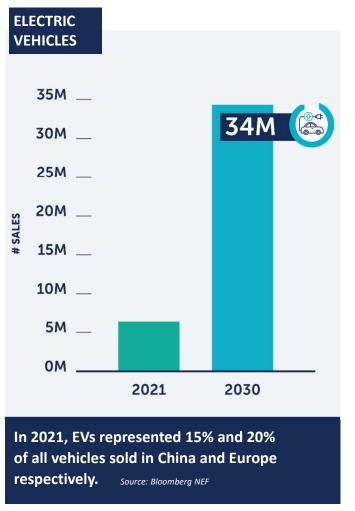


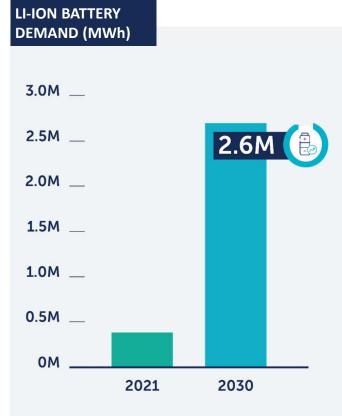


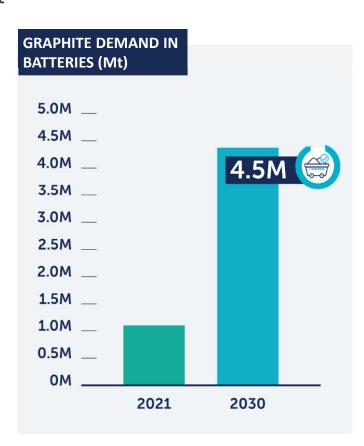


UNPRECEDENTED DEMAND OPPORTUNITY

EV sales outperforming forecasts as China / EU reaches inflection point





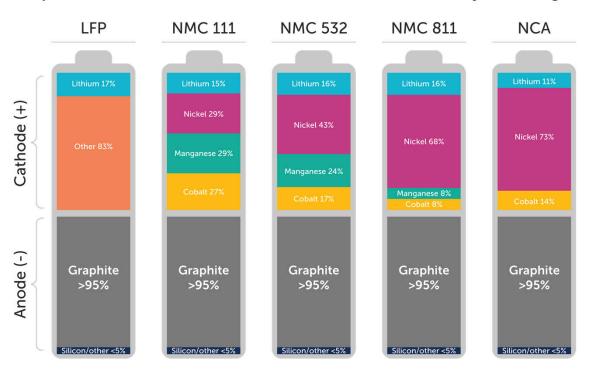


Source: Benchmark Mineral Intelligence – Q4 2021 Flake Graphite Forecast

GRAPHITE IN LITHIUM-ION BATTERIES

Shift expected towards natural graphite

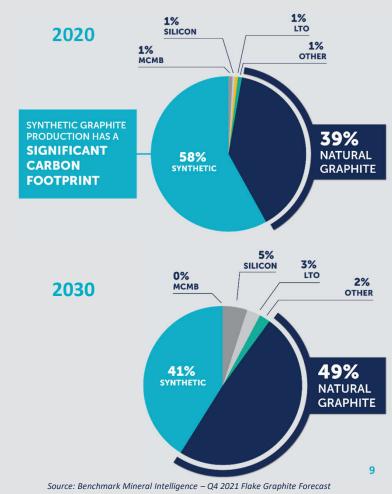
Graphite is the dominant material across all commercial battery technologies



Source: Pallinghurst-Traxys battery analysis. %s represent the proportions of cathode and anode in each battery respectively/ NCA bateries contain 2% aluminium (not shown)

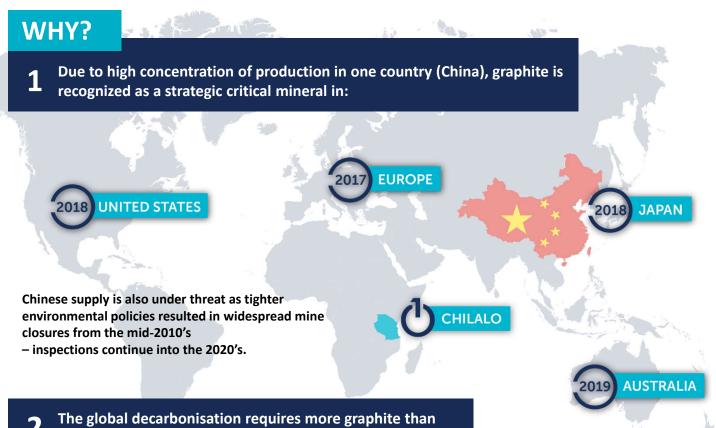
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NATURAL GRAPHITE DEMAND FOR BATTERIES

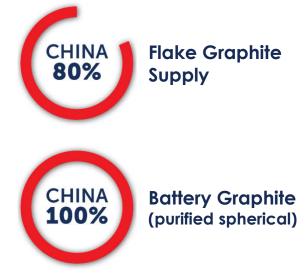


CRITICALITY OF GRAPHITE SUPPLY

Graphite listed as a strategic critical mineral in US, EU, Japan and Australia



CHINA DOMINATES GRAPHITE MARKET





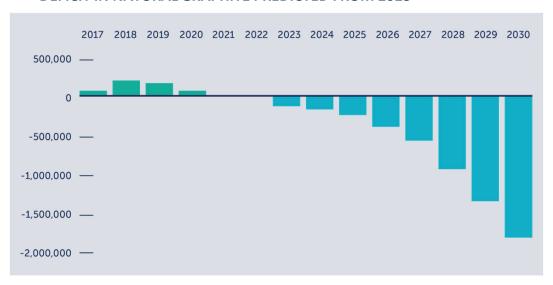
lithium and cobalt combined1.

10

SUPPLY SHORTFALL AND RISING PRICES

Power shortages and environmental shutdowns cause 25% increase in fines price since October 2021

DEFICIT IN NATURAL GRAPHITE PREDICTED FROM 2023



"Demand growth will be such that we have assumed space for four new projects to come online by 2025 in addition to the ramp-up of existing projects and expansions"

Source: Wood Mackenzie Graphite market 2021 outlook to 2050

FINE FLAKE (-100 MESH / -150 MICRON) GRAPHITE PRICES (OCT 2021–FEB 2022)



Source: Benchmark Mineral Intelligence Jan 2022

CHILALO PROJECT

Coarse flake graphite for high-value applications

Development ready

DFS, Mining Licence and Environmental Approvals

High margins

~US\$750/t concentrate margin driven by globally significant flake size

Value-added margins through vertical integration

Unique downstream strategy using proven technology

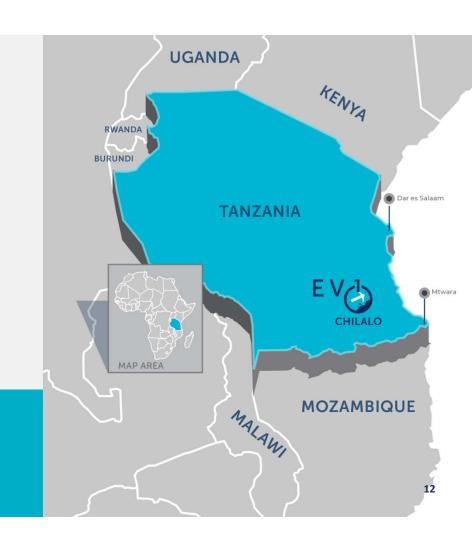
Sustainability focus

Pursuit of net zero carbon mine among ESG commitments

Potential for multi-decade mine life expansion

18-year DFS, majority of strike remains undrilled

	Flake Size I	Evolu	Evolution Product Flake Size		
10% +32	21% +50 mesh	27% +80 mesh	6% +100	36% -100 mesh	
L	58% +80 me	rsh 1. Graphex ASX Announcement – 29 January 20	020 "DFS confirms Chilalo a	as high-margin graphite project."	



DFS OPTIMISATION UNDERWAY

Strong economics to a bankable standard¹

PHYSICALS	UNIT	2020 DFS
Mine life	years	18
Total plant feed	Mt	8.9
Annual plant feed	ktpa	500
Average head grade	%TGC	10.1%
Average graphite concentrate production	ktpa	50
Steady state expandable graphite sales	ktpa	12
Steady state micronised graphite sales	ktpa	8

PROJECT FINANCIALS	UNIT	2020 DFS
NPV (Post-tax)	US\$M	323
IRR (Post-tax)	%	34%
Post-tax payback period	years	3.4
Pre-production capital cost (incl. 10% contingency and pre-strip)	US\$M	87
Average annual EBITDA	US\$M	73

^{1.} Graphex ASX Announcement – 29 January 2020 "DFS confirms Chilalo as high-margin graphite project." Financial outcomes restated per Evolution prospectus

OPTIMISATION FOCUSED ON:

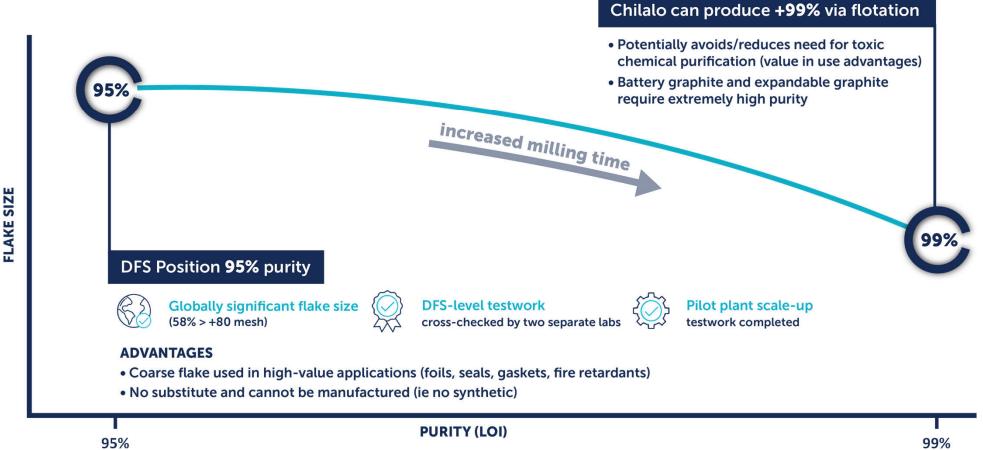
Revised mining schedule (expected to reduce operating costs)

Hybrid solar/diesel power solution (expected to reduce operating costs and carbon footprint)

Investigation of dry stacking of tailings

PRODUCT QUALITY

Flexibility to produce coarse flake or "high purity green graphite"



14

TANZANIA

RE-EMERGING AS A FAVOURABLE INVESTMENT DESTINATION



Her Excellency Samia Suluhu Hassan appointed as President in March 2021 (following death of the Late His Excellency John Magufuli)



Speech on 5 April 2021 by Her Excellency

- O Directed the Tanzania Revenue Authority to stop frustrating businesses
- Ordered a review of regulations and taxes with the objective of encouraging foreign investment
- Urged Government officials to "work hard to regain the trust of international business"



Subsequently, a noticeable change has taken place in Tanzania

- Several ASX listed companies have obtained required licences and finalised framework agreements with the Tanzanian Government (Strandline Resources, OreCorp, Black Rock Mining)
- BHP invested \$50M in Kabanga Nickel and Barrick acquired \$60M of licences significant vote of confidence in Tanzania



WELL ADVANCED DIVERSIFIED DOWNSTREAM STRATEGIES

Value added opportunities for all size fractions

	MICRONISED GRAPHITE	EXPANDABLE GRAPHITE				
FEEDSTOCK	Fines	Coarse				
OPERATING COSTS	US\$383/t	US\$512/t Source: Chilalo DFS				
PRICING	US\$1,500-6,000/t	US\$5,000-6,500/t Source: Lone Star Tech Minerals				
TARGET MARKETS	Carbon Brush Lubricants Friction Engine Seals Plastics	Fire Foil, Gaskets, Ceramics Alkaline Plastics & Battery Mfg. Polymers				
PRODUCT DEVELOPMENT	High-purity micronised graphite (+99%) for use in alkaline batteries (US\$2,000-\$8,000/t)	 Expanded graphite used as conductivity enhancement in LiB cathode (US\$9,000–12,000/t) Graphite foil/paper used in electronics (up to US\$30,000/t) 				

Source: Lone Star Tech Minerals

SUSTAINABLE BATTERY ANODE MATERIALS

Commercial verification program to avoid toxic chemicals

EV1 INTENDS TO USE COMMERCIALLY PROVEN THERMAL PURIFICATION AND PROPRIETARY COATING TECHNOLOGY







Commercial verification program – completed by Q3 2022

Challenges Facing Battery Makers		How EV1's Strategy Addresses These				
1.	Sustainability of a supply chain that uses HF + other toxic chemicals	EV1 pursuing thermal purification				
2.	Carbon footprint declaration of supply chain	EV1 pursuing net zero carbon mine + cheap/renewable power sources for BAM processing				
3.	Traceability	Targeting chain of custody from mine site to battery (access to proprietary coating technology)				



ESG AND SUSTAINABILITY

Evolution's commitment to sustainable graphite supply

Pursuit of carbon neutrality for operations

Committed to ISO 14001 (Environmental Management).

Confirming dry stacking of tailings

Committed to renewable power solution





SOCIAL

Updated Relocation Action Plan ongoing

Local job creation – Chilalo to generate 230 direct jobs for potential

multi-decade mine life.

Full product transparency and traceability including adherence to ISO 8001 (Quality).

ESG Committee established

Board will voluntarily stand for re-election and cancel performance-based remuneration for material breach of EV1 ESG policies



Creating Markets, Creating Opportunities

EVOLUTION **ENERGY MINERALS**

DIGBEE ENDORSED BY NUMEROUS FINANCIERS



DIGBEE FRAMEWORK COVERS ALL **GLOBAL STANDARDS**













































REGULATION DRIVING DEMAND

EU initiatives leading the way & forcing a change

KEY INITIATIVES



RESPONSIBLE SOURCING

New mandatory procedures to ensure sustainable and ethical sourcing of raw materials such as graphite.



CO, FOOTPRINT

All batteries sold in Europe must declare their carbon footprint. Batteries with the highest carbon footprint will be banned in Europe.



TRACEABILITY

All raw material used in batteries to be produced according to OECD recognized guidelines for sustainable sourcing.

Thanks to blockchain technology, each battery will have a digital passport tracking all components upstream.

Supported by



Initiative for Responsible Mining Assurance



EU list of Critical Raw Materials & European Raw Materials Alliance



EIB new energy lending policy supporting projects relating to the supply of critical raw materials



European Battery Alliance

THE EUROPEAN COMMISSION IS GOING TO REQUIRE THAT:

FROM 1 JULY 2024: EV batteries must have a "carbon footprint declaration"

FROM 2026: EV batteries will have to bear a "carbon intensity performance class label"

FROM 2027: EV batteries must comply with "maximum carbon footprint thresholds"

PUBLIC SUSTAINABILITY COMMITMENTS



¹ https://group.mercedes-benz.com/sustainability/climate/ambition-2039-our-path-to-co2-neutrality.html

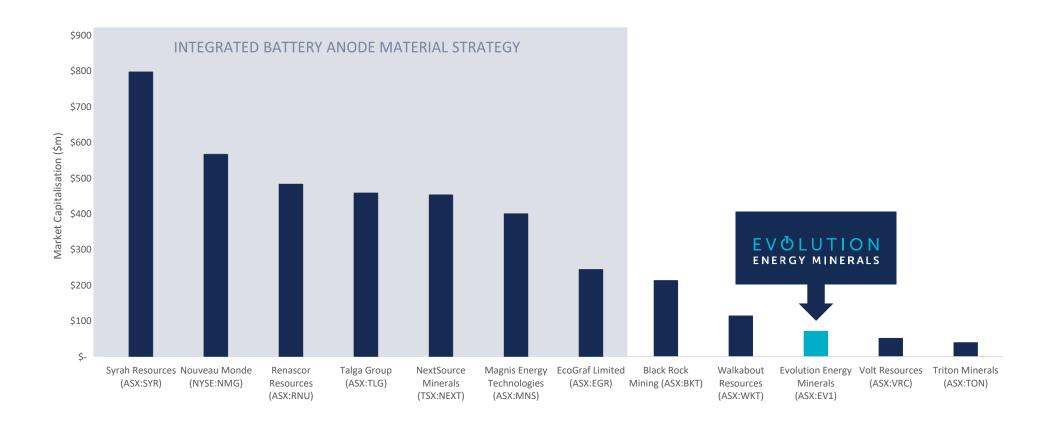
Battery Alliance.3

 $^{^2\ \}underline{\text{https://www.bmwgroup.com/en/news/general/2020/responsible-mining.html}}$

³ https://ec.europa.eu/commission/presscorner/detail/en/ip 20 2312

GRAPHITE PEER COMPARISON

Significant discount to graphite peers



As at 22 February 2022 – refer to slide 25 for supporting information

VALUE PROPOSITION

High-quality, advanced asset & strategy



- DEVELOPMENT-READY
 High-margin graphite project
- ANODE PROGRAM
 with no HF or toxic chemicals
- DIVERSIFIED

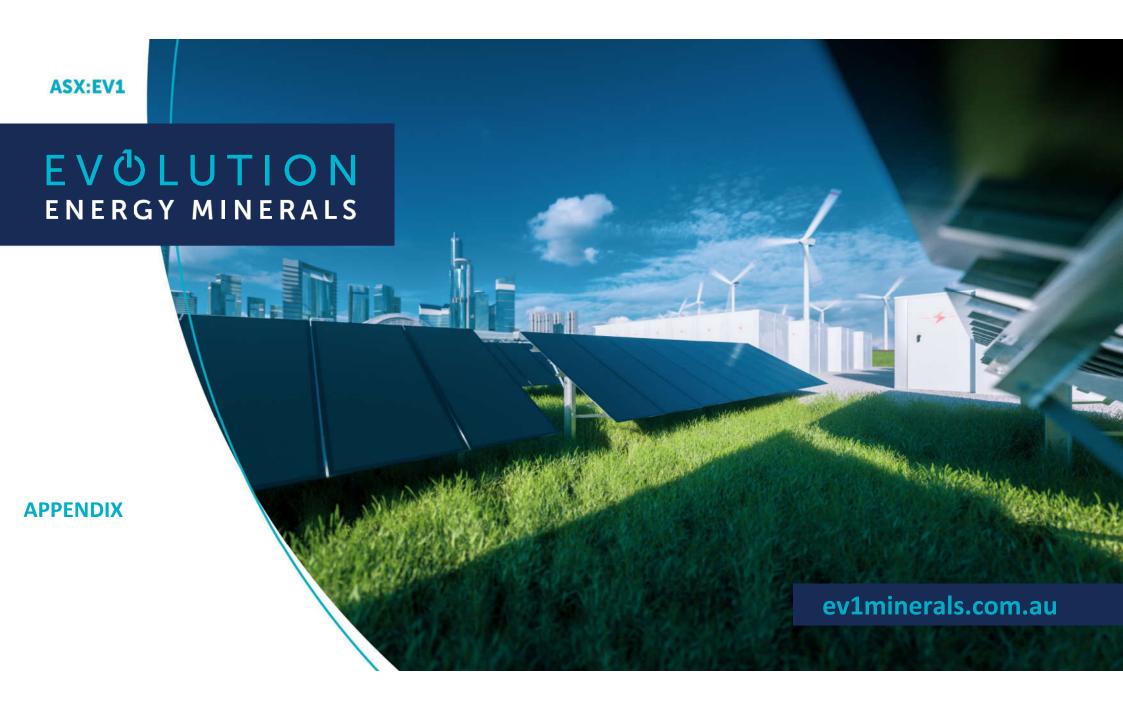
 DOWNSTREAM STRATEGIES

 using proven technology

- ESG COMMITMENTS

 To drive interest from investors and customers
- ONGOING SUPPORT FROM STRATEGIC CORNERSTONE INVESTOR

 To underwrite project financing solution



APPENDIX

DETAILED GRAPHITE PEER COMPARISON ANALYSIS AND REFERENCES

Ticker	EV1.ASX	MNS.ASX	EGR.ASX	RNU.ASX	WKT.ASX	BKT.ASX	VRC.ASX	TON.ASX	NEXT.TSX
Market Cap (A\$M)	71	401	245	484	114	213	51	39	454
Resource (Mt contained graphite)	2.0	9.4	3.0	6.6	4.5	16.6	22.6	3.0	8.7
Resource (Mt)	20	174	31	87	42	213	461	46	141.3
Resource (% Measured)	-	36%	26%	18%	16%	15%	4%	-	17%
Resource (% Indicated)	51%	35%	42%	46%	20%	40%	34%	67%	54%
Resource (% Inferred)	49%	29%	32%	36%	64%	45%	62%	33%	29%
Resource Grade (TGC%)	9.9%	5.4%	9.9%	7.5%	10.8%	7.8%	4.9%	6.6%	6.13%
Reserve (Mt contained graphite)	0.9	3.6	1.0	3.6	1.0	6.0	5.6	1.5	1.6
Reserve Grade (TGC%)	9.9%	4.8%	8.3%	7.9%	17.9%	8.5%	4.4%	6.2%	7.02%
Stage of graphite development	DFS + fully permitted	DFS + fully permitted	DFS + fully permitted	DFS + fully permitted	DFS + fully permitted	DFS + fully permitted	DFS + fully permitted	DFS + fully permitted	Development
Downstream graphite business	Expandable and micronised graphite DFS	JV ownership of 2 planned battery plants	Battery Anode Materials DFS	Battery Anode Materials DFS	N/A	N/A	Battery Anode Materials testwork	N/A	Technical Study for Battery Anode Facility
Source	Internal	Website	ASX announcement - 31 July 2017	ASX announcement 4/3/21 and 11/11/19	Website	Website	Website	Presentation - 22 June 2020	Website

^{2.} Source (unless otherwise stated): Various announcements.

