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EVOLUTION ENERGY MINERALS

SUSTAINABLE GRAPHITE PRODUCTS FOR THE GLOBAL GREEN ECONOMY

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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.

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.

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SUSTAINABLE GRAPHITE PRODUCTS FOR GLOBAL GREEN ECONOMY

EVOLUTION ENERGY MINERALS

Value-accretive downstream options

underpin vertically integrated strategy

Project Status Graphite Market Corporate Framework agreement with Tanzanian Coarse flake offtake and **Development-ready Chilalo** Government to provide certainty downstream collaboration with Graphite Project in Tanzania industry leader (YXGC) 58% > +80 Mesh World leading flake size Superior battery performance from Strategic cornerstone investor = highest margins environmentally friendly thermal to drive project financing purification



Excellent DFS economics – NPV₈ of US\$323M from capex of US\$87M

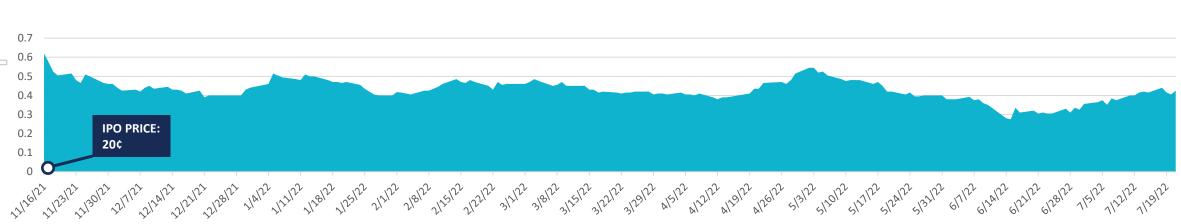
Qualifications of coated SPG to commence with leading battery manufacturers

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CORPORATE OVERVIEW

\$0.40
Share price\$64.8M
Market Cap\$7.5M
Cash
(as at 31 Mar '22)\$57.3M
Enterprise Value161.9M
Shares on Issue42.1M
Unlisted Options
(\$0.25 exercise)

SHARE PRICE SINCE IPO



MAJOR SHAREHOLDERS

MVL

31%

ARCH

25%

OTHERS

26%

TOP 20 (EX MVL/ARCH) 18%

BOARD & MANAGEMENT WITH GRAPHITE EXPERIENCE

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Board of \bigcirc Directors 02D

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Phil Hoskins

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



Trevor Benson

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



Michael Bourguignon

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



Amanda van Dyke

Amanda is the MD of the ARCH Sustainable Resources Fund, an ESG-focused investment fund based in London.



Henk Ludik

Henk is a mining engineer with a career spanning over 20 years in mining with expertise in engineering, feasibility, mine optimisation, ESG and corporate finance.



Eileen Hao **GRAPHITE MARKETING - CHINA**

Experienced graphite and battery advisor with IMERYS, Syrah and facilitating Neometals / Gangfeng transactions

Management Team



Chris Knee CHIEF FINANCIAL OFFICER

Chris is the finance executive involved in the development of the Chilalo project since



Stuart McKenzie COMPANY SECRETARY

> Stuart has significant African experience including 6 years with Anvil Mining and involved with the Chilalo project since



Vickey Puncheon GM CORPORATE

18 years' African experience including 5 years with Syrah



Heavenlight Kavishe COUNTRY MANAGER

Experienced government advisor, with the Chilalo project since 2014.



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.

"We forecast battery sector demand for raw material graphite to rise by more than 1,400% between 2020 and 2050. By the end of the forecast period, total graphite demand could be three times the 2021 supply level."

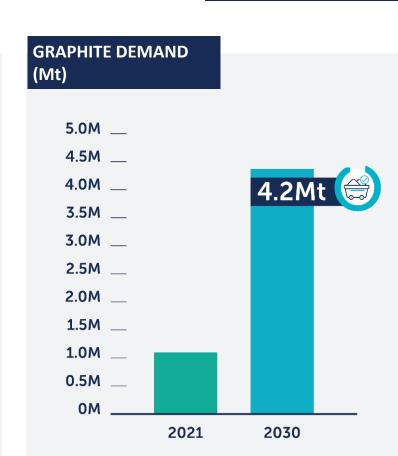
- Wood Mackenzie Graphite Market 2021 Outlook to 2050

UNPRECEDENTED DEMAND OPPORTUNITY

EV sales continue to outperform forecasts







EVOLUTION

ENERGY MINERALS

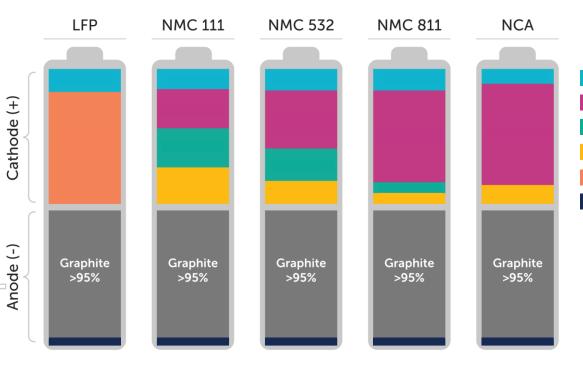
In 2021, EVs represented 15% and 20% of all vehicles sold in China and Europe respectively. Source: Bloomberg NEF

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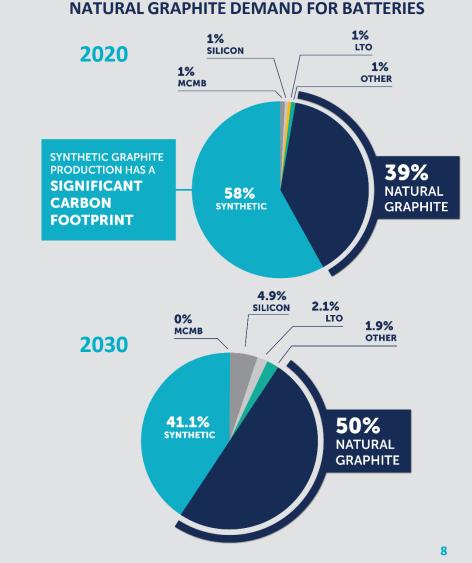
GRAPHITE IN LITHIUM-ION BATTERIES

High costs and CO₂ footprint shifting demand from synthetic towards natural graphite



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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Graphite is the dominant material across all commercial battery technologies

Lithium

Nickel

Cobalt Other

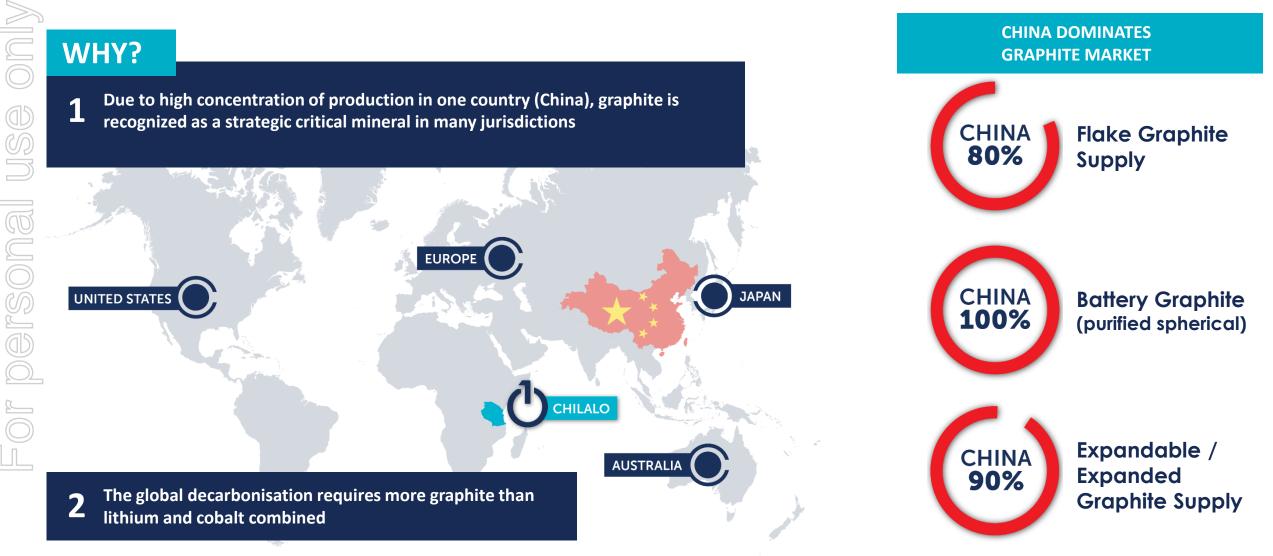
Manganese

Silicon / Other

CRITICALITY OF GRAPHITE SUPPLY

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





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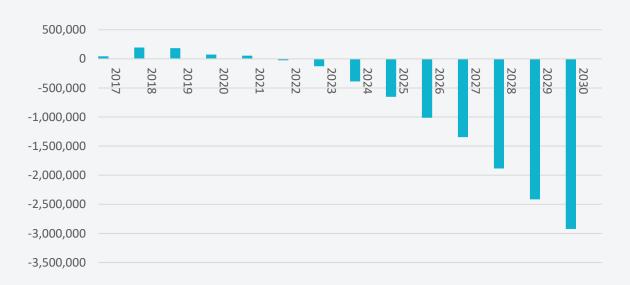
SUPPLY SHORTFALL AND RISING PRICES

56% increase in fines price since September 2021

FINE FLAKE (-100 MESH / -150 MICRON) GRAPHITE PRICES (SEP 2021 – JUN 2022)



DEFICIT IN NATURAL GRAPHITE HAS BEGUN



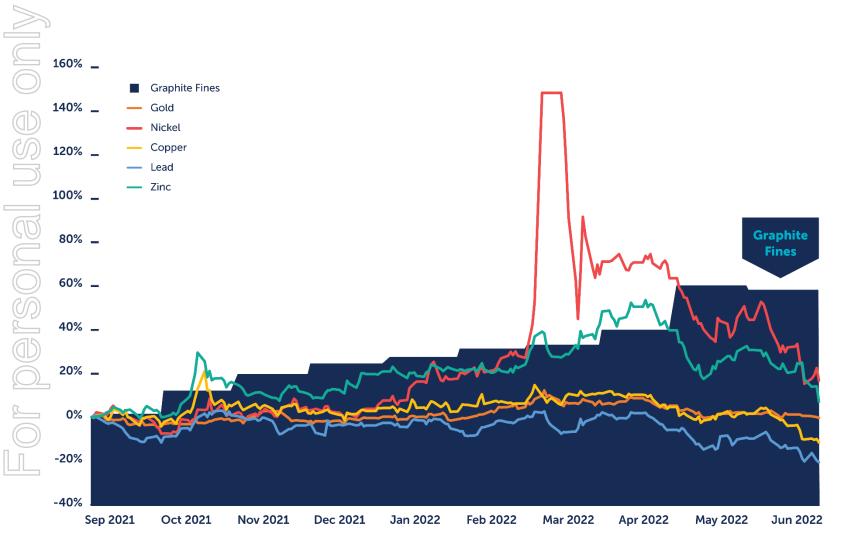
Source: Benchmark Mineral Intelligence Q2 2022 forecast

"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

GRAPHITE FINES PRICE GROWTH

Outperforming gold and base metals



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REPUBLIC OF 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

Evolution is nearing completion of discussions with Tanzanian Government about a Framework Agreement and Shareholders Agreement to ensure fiscal certainty

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CHILALO PROJECT

Premium graphite for high-value applications

Coarse

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Development ready DFS, Mining Licence and Environmental Approvals

High margins

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

Sustainability focus Pursuit of net zero carbon mine among ESG commitments

Potential for multi-decade mine life expansion 18-year DFS, drilling planned to grow mineral resource

Premium feedstock into downstream strategies Chilalo exhibits superior performance into batteries (fines) + EG/foil (coarse)

Evolution Product Flake Size

Flake Size Price Premi	
TIAKE SIZE FILLE FIEIIII	um

			1	
10%	21%	27%	6%	36%
+32	+50	+80	+100	-100
mesh	mesh	mesh	mesh	mesh

Fine

LARGE HIGH GRADE MINERAL RESOURCE

Potential for multi-decade mine life

Chilalo Mineral Resource

20Mt at 9.9% TGC over 2km strike

Long life

Existing 18 year mine life based on existing Ore Reserves

Geophysics indicates upside

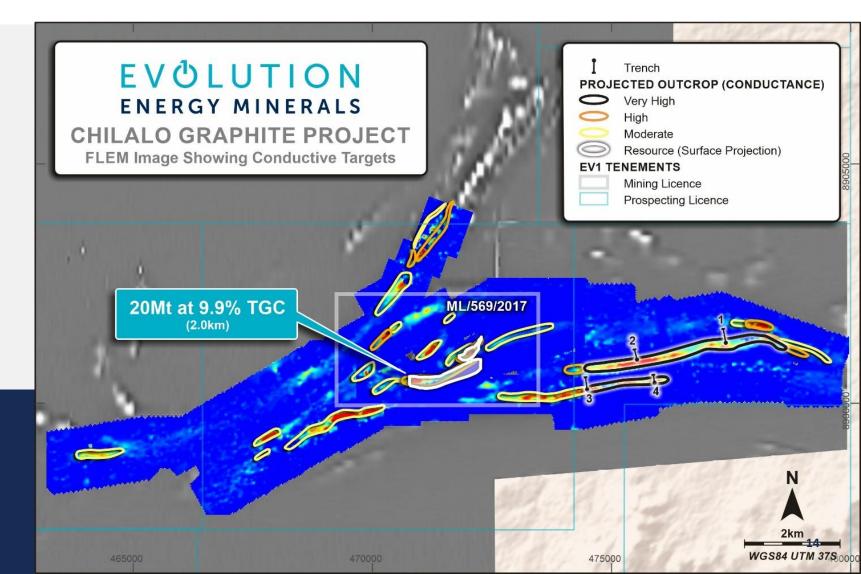
33km of conductors with same or higher conductivity (= high grade, thick deposits, near surface)

Drilling planned

Program planned in H2 2022

MINERAL RESOURCE GROWTH RESULTS IN:

- Lower mining costs
- Extension of mine life
- Facilitates production expansion
- Increase in project value (NPV, IRR)



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UPDATED DFS 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

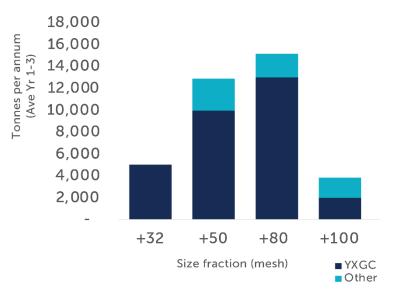
1. Graphex ASX Announcement – 29 January 2020 "DFS confirms Chilalo as high-margin graphite project." Financial outcomes restated per Evolution prospectus



OFFTAKE PARTNERSHIP AND DOWNSTREAM COLLABORATION

Coarse flake sales commitment supports financing

Chilalo coarse production committed to YXGC



HIGH-VALUE EG AND GRAPHITE FOIL DOWNSTREAM COLLABORATION UNIQUE TO EV1

Principal offtake partner secured

Yichang Xincheng Graphite Co Ltd (YXGC) selected following years of dialogue

Dual focus partnership

Collaboration covers coarse flake offtake and high-value downstream processing

Global Leader

YXGC is the global leader in expandable graphite (**EG**) and graphite foil, supplying global electronics companies

Key terms

Initial 3-year term 30,000tpa of coarse flake graphite (+32, +50, +80, +100 mesh) Represents 56% of planned production and over 70% of DFS concentrate revenue

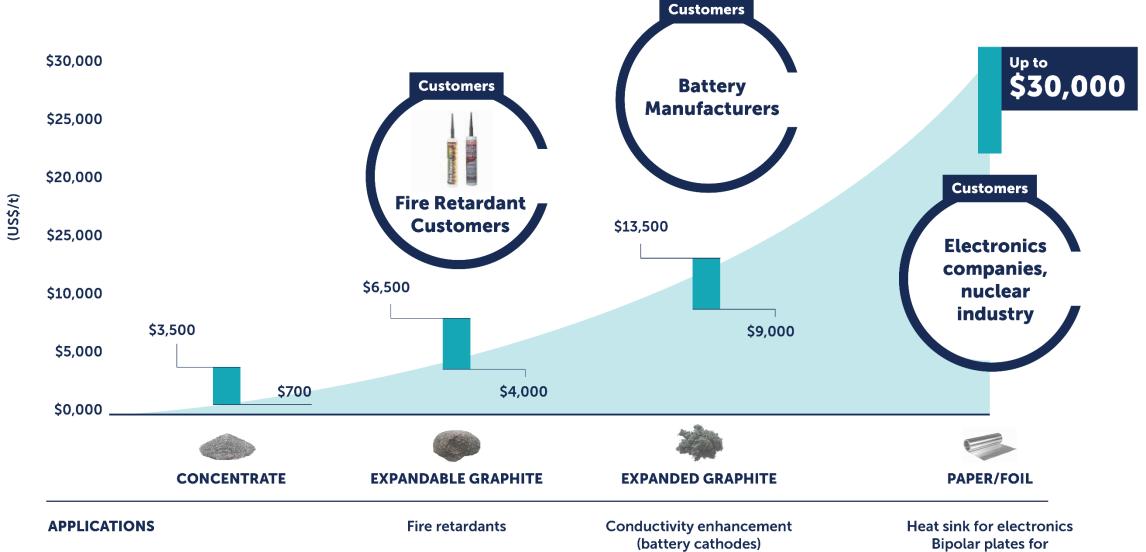
PROPOSED EUROPEAN JV

Leveraging industry-leader's technology into high-value markets

	Highlights	Description			
		Evolution and YXGC intend to execute two agreements in H2 2022:			
	Formation of JV	- Toll treatment agreement allowing Evolution to toll treat into expandable graphite (EG) using YXGC's facilities			
)		 JV agreement to assess the feasibility and subsequently govern the construction and operation of a downstream manufacturing facility 			
	Site selection	Evolution will undertake a site selection study in Europe and its surrounds prior to commencement of a feasibility study			
	Feedstock	Evolution will provide graphite concentrate feedstock to the JV at market prices			
	Technology and equipment	YXGC will provide technical knowledge and equipment to the JV			
		YXGC will undertake commercial scale product trials using Chilalo graphite for qualifications however the JV is expected to produce expandable graphite for further processing into:			
	Range of products	- Graphite foil for electronics devices			
		- Seals for EVs			
		- Bi-polar plates for hydrogen fuel cells			
	Marketing	YXGC will provide market support including from its existing customer database			
	Joint venture shareholdings	The parties' shareholding in the JV will be determined by their respective funding contributions and the overall value contributed by each party to the success of the JV			

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VALUE ADDITION JOURNEY FOR PREMIUM QUALITY COARSE FLAKE GRAPHITE



hydrogen batteries



REGULATION DRIVING SUSTAINABLE BATTERY ANODE DEMAND

EU initiatives seeking to hold supply chains accountable





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"

EVOLUTION'S SUSTAINABLE BATTERY ANODE STRATEGY

Developing a battery supply chain for the future

Leveraging commercially proven technology

- O Evolution's US-based technology partner is an established manufacturer of advanced battery materials
- Adopting thermal purification to achieve battery grade greener solution than toxic hydrofluoric acid or caustic leach adopted by 100% of existing supply chain
- U Technology includes proprietary coating technologies allowing Evolution to provide full traceability from mine to battery manufacturer

Commercial verification program for battery suitability

- O Testwork program commenced in February 2022
- Otermine suitability of Chilalo graphite to producing coated spherical graphite for lithium-ion batteries

Future programs to consider battery recycling

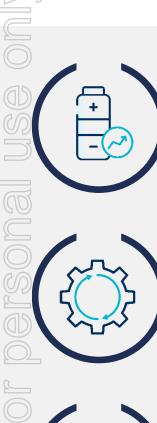
Sustainable battery supply chains must include a recycling component as part of the circular economy





EVOLUTION'S BATTERY ADVANTAGE

Superior performance, environmentally friendly



Premium coated spherical graphite

Exceptional electrochemical results on Chilalo coated spherical graphite:

- O Specific capacity 368mAh/g (compares to theoretical capacity of 372mAh/g)
- U Irreversible capacity loss (ICL) 6.95%

demonstrate Chilalo graphite can produce top quality anode materials selling for US\$18,000 – 22,000 per tonne

Economic advantages of inverted flowsheet

- O 64% yield into useable spheroidal graphite (~40% industry average)
- U Lower opex compared to traditional process route
- **O** High-value non-spherical rejects given ultra-high purity (99.9995% C)



Environmentally friendly supply chain

- O EV1 pursuing net zero carbon feedstock from Chilalo
- **O** EV1 using thermal purification compared to toxic HF acid / caustic leach
- Less energy required by EV1 purification method than Acheson furnace used in traditional flowsheets



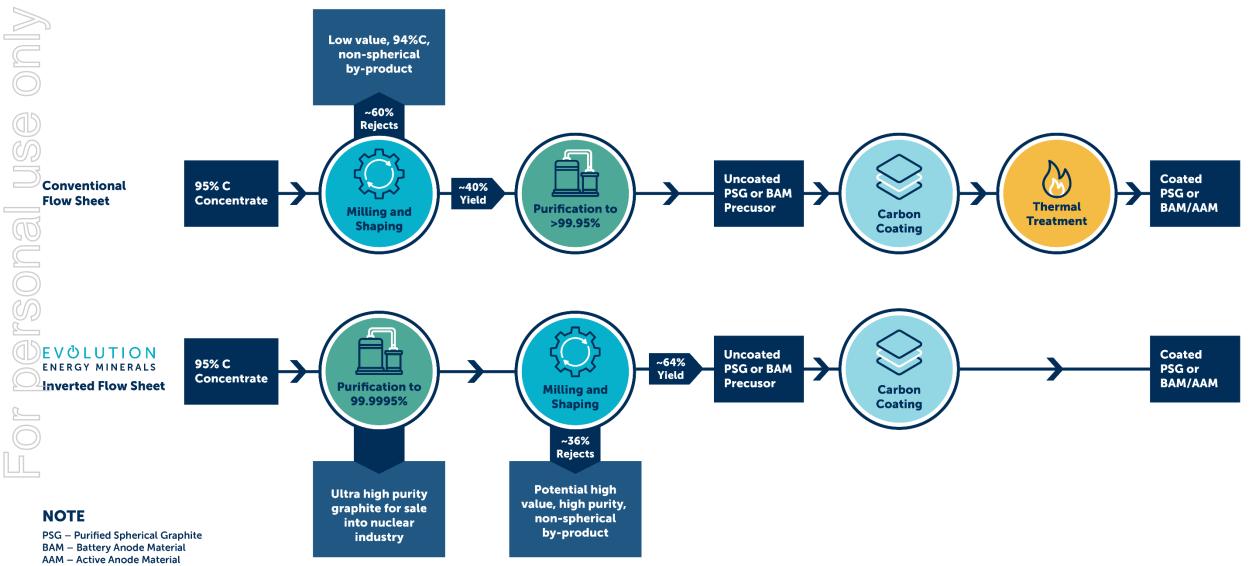
EVOLUTION

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EVOLUTION ADOPTING INVERTED FLOWSHEET

Yield advantage and high-value, high-purity by-products

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TESLA'S 2TWh CHALLENGE

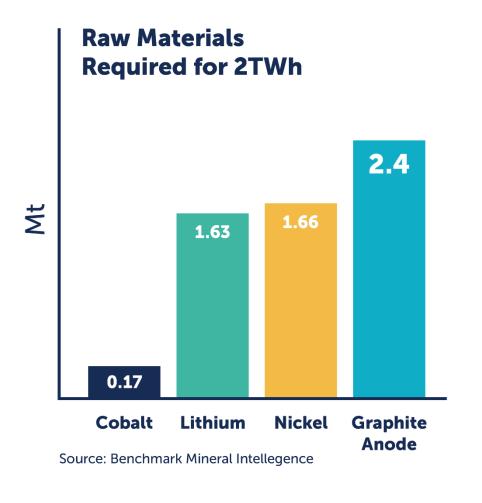
Panasonic mandated to build pipeline 45x existing Nevada Gigafactory

TELE Panasonic

"For the next challenge, Tesla wants two terrawatt hours of battery manufacturing. It's an unbelievable scale, so we have to build up more supply chains, MINING, everything"

- Panasonic Energy, Chief Technology Officer, Shoichiro Watanabe

100% OF CHILALO FINES PRODUCING GRAPHITE ANODES (ASSUMING 64% YIELD) REPRESENTS ONLY 0.5% OF TESLA'S GOAL



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ESG AND SUSTAINABILITY

Evolution's commitment to sustainable graphite supply

ENVIRONMEN'

Pursuit of carbon neutrality for operations

Confirming Dry stacking tailings

Committed to renewable power solution ESG CERTIFIED 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

SOCIAL

Digbee ESG[™]

Local job creation – Chilalo to generate 230 direct jobs for potential multi-decade mine life

Updated Relocation Action Plan nearing completion including livelihood restoration

Supporting regional food security – Evolution assisting to substitute lost Ukranian grain

DELIVERING ON THE MAJOR MILESTONES

Focused on Chilalo FID whilst rapidly advancing lucrative downstream strategies

MINE			DOWNSTREAM
Permitting and Approvals	Coarse	Fines	Testwork confirms product suitability
Binding Offtake		•	Secure Technology
 Tanzanian Framework Agreement Updated DFS / FEED 	• •	0	Site Selection
Project Financing		0	Product Qualifications
	0	0	Feasibility Studies
	0	0	Partnering / Financing



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