Montepuez Graphite Project

Investor Presentation

February 2020





Montepuez Graphite Project Summary

Ore Body ⁶	Ore resources of 119.6 million tonnes Ore reserves of 42.2 million metric tonnes	8.1% TGC ¹ 9.3% TGC
Operations ⁶	Plant feed of 500,000 tpa Product output of +50,000 tpa	12% TGC 96%TGC
OPEX ⁷	Opex is in the lowest cost quartile / tonne in the global market	US\$ 356 / tonne ²
CAPEX ⁷	CAPITAL required to achieve steady state operations US\$ 64.5mn	Mine US\$ 44.7mn Other US\$ 19.8mn
Offtake	70% of production is secured by offtake contracts	35 ktpa ³
Global Markets	Traditional markets: refractories & foundries, expanded graphite, lubricants New markets: LiB ⁴ , Energy storage systems, domestic, portable	CAGR 7% CAGR 29%
Growth []	Graphite market is poised to grow due to a growing demand for EV ⁵	35 million EVs to be produced in 2030
Community	Located 60km north west from Montepuez in the Cabo Delgado province, northern Mozambique A robust community engagement programme already established	US\$ 6.4mn Social Investments Budget ⁸
Q2 2020	Indicative Project Timeline 12 months 3 months	Q3 2021
Finance Completion	Construction/Procurement Period Commissioning Period	Ramp-Up Start



The Team

Battery Minerals executive team has a combined 100 years of industry experience with extensive experience in Mozambique and African project development and operations





David Flanagan, Business strategy and management

Over 25 years experience in the multi commodity mining and mineral exploration industry in Australia, Indonesia and Africa



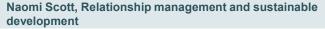
Graham Fyfe, Project development and execution

Over 30 years of experience in the mining industry, involved in the design and commissioning of multiple mines throughout Africa. Held key roles with De Beers, Fluor, Rio Tinto and Bellzone Mining Plc



Tony Walsh, Corporate Finance and Governance

30 years of experience in listed companies (ASX, ASIC) with expertise in developing mining operations and project finance. Held key roles with Atlas Iron, Independence Group (IGO) and ASX



20 years of experience working in Africa: 10 years in development aid, 10 years supporting mining companies with risk and compliance. Former CEO of Anglo American in Mozambique



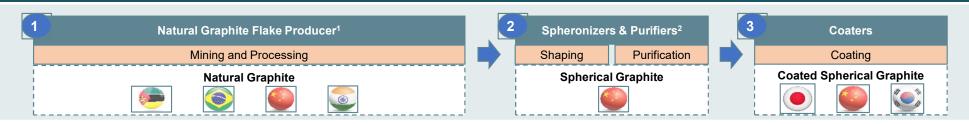
Daniel Taylor, Pricing economics and offtake negotiations

20 years of experience in international bulk commodities sales and marketing. Access to an extensive global senior network that spans across multiple sectors in the minerals industry



The Market – Traditional Graphite

Demand for graphite is expected to double in the next five years, driven by LiB manufacturers and traditional markets



Raw natural flake graphite concentrate is sold into traditional markets

Refractories and Foundries

- · Utilize graphite for metallurgy and hot metal casting
- Forecast to be 43% of the total graphite demand in 2023
- CAGR of 7.5% (2019-2023)

Expanded Graphite

- · Flame retardant products, base material for gaskets and seals
- Forecast to be 7% of the total graphite market in 2023
- CAGR of 6% (2019-2023)

Other traditional uses

- Lubricants, carburisation, friction products, graphite shapes, carbon brushes
- Accounts for 6% of the total graphite demand in 2023
- CAGR of 8.3% (2019-2023)





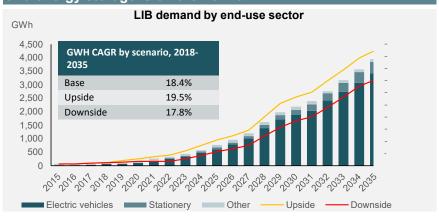
Traditional Market Demand for Natural Flake Graphite (Ex-LiBs)



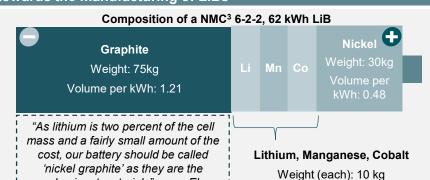


The Market – LiB

A paradigm shift in the demand for sustainable transportation and energy storage is on the horizon ...



... where graphite will play a central role as an essential mineral towards the manufacturing of LiBs



Coated spherical graphite is used specifically for the manufacturing of the anode in LiBs = 800t natural graphite / 1GWh

Electric Vehicles (2019 - 2029)

- Production is expected to reach 30mn units in 2030 ~1,900 GWh LiB sales
- LiB demand from EV markets growth ~CAGR of 29%

Energy Storage (2019 - 2029)

- Energy storage installations ~150 GWh LiB sales in 2030
- Stationary storage demand expected to growth ~CAGR of 38%

Other battery uses (2019 - 2029)

- Electronics, portable batteries ~100 GWh of LiB sales in 2030
- Portable electronics market's forecasted CAGR of 4.3%



predominant materials" -

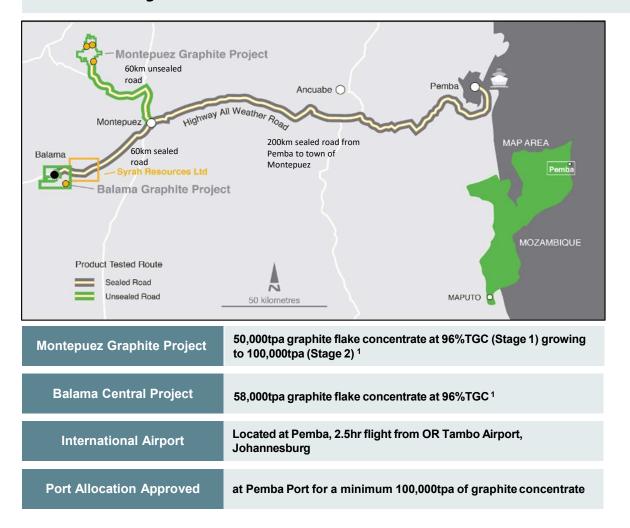
Musk²



Volume per kWh: 0.16



Our Projects



	Pemba Port
Berth	8 – 12m deep draft
Capacity	3 – 4 Mtpa cargo and goods
Vessel Size	Geared – 30,000dwt to 40,000dwt
Shipping Route	China / USA / Europe via Durban or Dar es Salaam
Upgrade in Progress	24/7 operations, double capacity, increase security





Montepuez Graphite Project – Ore Bodies

Project is underpinned by high quality and strategically large resources and reserves providing a +50 life of mine

November 2018 Ore Reserve Estimate¹

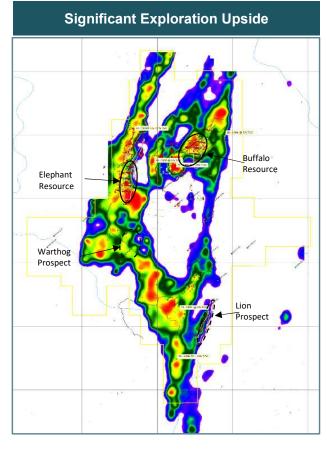
Ore Type	Ore (Mt)	%TGC
Weathered	5.98	8.34%
Fresh	36.21	9.42%
Total	42.19	9.27%

October 2018 Ore Resource Estimate²

Ore Type	Ore (Mt)	%TGC
Weathered	10.3	7.7%
Fresh	109.2	8.1%
Total	119.6	8.1%







^{1.} See ASX announcement on 4 December 2018 for "Increase in Montepuez Graphite Reserve" for detailed disclosure. Mineral Resources prepared by a competent person in accordance with the JORC Code. All material assumptions underpinning the production target in that announcement continue to apply and have not materially changed



See ASX announcement on 18th October 2018 for "Group Resources Update" for detailed disclosure, Mineral Resources prepared by a competent person in accordance with the JORC Code. All material assumptions underpinning the production target in that announcement continue to apply and have not materially changed

Montepuez Graphite Project – Stage 1

With Site infrastructure completed, The Project is positioned for construction start and a fast track path to production

Stage 1 Project Metrics ¹		
Plant Feed	500,000	tpa
Grade Processed	12	%TGC
Product Output	+50,000	tpa
Product Grade	96	%TGC
Recovery – weathered ore	80	%
Recovery – fresh ore	85	%



Project Achievements		
Approvals	Mining and Environmental Licenses Approved	
Detailed Design	+50% complete	
Long Lead Items	Key long lead items ordered	
Operations camp	100 person Operations camp constructed and operational	
Site Infrastructure	Roads and plant earthworks completed	
Tailings Storage Facility	Phase 1 wall completed, securing operational water source	
Production Start	15 months from construction start	





See ASX announcement on 4 December 2018 for "Increase in Montepuez Graphite Reserve" for detailed disclosure. Mineral Resources prepared by a competent person in accordance with the JORC Code. All material assumptions underpinning the production target in that announcement continue to apply and have not materially changed

Montepuez Graphite Project Stage 1 Economics⁴

Low CAPEX and lowest cost quartile OPEX with a year 1 to 10 basket price of US\$ 923/t concentrate = Robust project economics

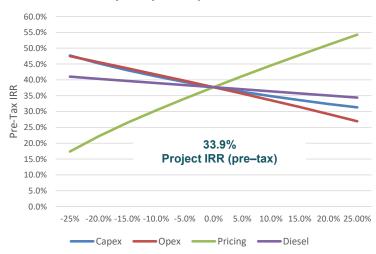
Capital Breakdown ¹	US\$ mn
Process Plant and Power	27.4
Mining Equipment and Light Vehicles	4.0
Earthworks and Roads	0.7
Buildings, offices and workshops	2.6
Owner's Costs	3.7
Pre-production Costs	4.5
Freight	1.8
Total	44.7

Year 1 - 10 Basket Price² US\$ 923 / t flake



Sensitivity Analysis - Impacts on Pre-Tax IRR







¹ Excludes other costs associated with debt: equity financing, including, fees and advisory cost, DSRA and debt security requirements, VAT and overheads ~US\$19.8mm; ² Pricing based on BMI October Pricing Forecast; ³ C1 costs exclude Mozambique corporate and stockpile costs; ⁴ See December 2019 Quarterly Report release on 28 January 2020 for details

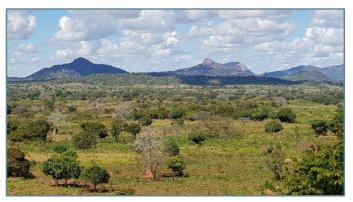
Balama Central Graphite Project

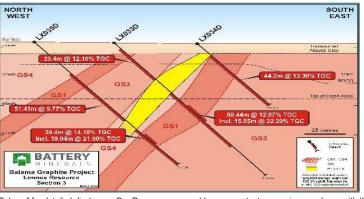
Project is underpinned by high grade and quality resources and reserves providing a +35 life of mine

Balama Central Project Metrics		
Plant Feed	500,000	tpa
Grade Processed	12.5	%TGC
Product Output	58,000	tpa
Product Grade	96	%TGC
Recovery	93	%

Project Achievements	
Approvals	Mining and Environmental Licenses submission in June 2019
Feasibility Study	Completed in December 2018
Project Capex	US\$69.4mn
Opex	US\$363 /t concentrate
Feasibility Study	Completed

November 2018 Ore Reserve Estimate ¹		
Ore (Mt)	%TGC	
5.44	10.74%	
14.21	11.19%	
19.66	11.06%	
	Ore (Mt) 5.44 14.21	





Ore Type	Ore (Mt)	%TGC
Weathered	7.4	12.88%

October 2018 Ore Resource Estimate²

Fresh 25.5 10.00%

Total 32.9 11.06%

Based on the Benchmark Mineral Intelligence (BMI) CIF China forecast graphite prices (as at October 2018) for 2022 as disclosed in ASX announcement on 12 December 2018 for "Maiden Reserve for Balama".



^{1.} See ASX announcement on 12 December 2018 for "Maiden Reserve for Balama" for detailed disclosure. Ore Reserves prepared by a competent person in accordance with the JORC Code. All material assumptions underpinning the production target in that announcement continue to apply and have not materially changed

See ASX announcement on 29 March 2018 for "Mineral Resource Doubles at Balama" for detailed disclosure, Mineral Resources prepared by a competent person in accordance with the JORC Code. All material assumptions underpinning the production target in that announcement continue to apply and have not materially changed

Our Community

Battery Minerals will continue to make key social and environmental interventions in the local community over the life of mine

Food Security

- Support improved crop production capability through land preparation
- Develop robust storage facilities
- Support farmers by procuring produce



Health

- Upgraded Mirate Health Centre facilities – completed
- Food support to clinic ongoing
- · Perform baseline surveys
- Provide basic first aid training



Education

- Built fully equipped school completed
- · Provide teaching materials
- Assist in curriculum expansion
- Provide job training and technical internships



Training

- Committed to employ 75% of workforce locally
- Conducted a census to assess skill levels, and developed strategy to promote upskilling
- Employing innovative mobile teaching methods



- Improve local roads from mine site to Montepuez
- Provide boreholes to communities with identified needs completed and ongoing



Battery Minerals plans to enter into partnerships and commission a reputable local monitoring and evaluation company to assess environmental and social risks and develop strategies to mitigate effects on flora, fauna and the local community



Impacto (Environmental Project and Studies)

- Partnership to develop strategies to mitigate effects on flora and fauna
- One of the foremost and reputable Mozambican environmental consultancy



University in Pemba

- Partnership established to provide continuous independent risk assessments
- providing sponsored students with learning opportunities



Chamber of Mines of Mozambique (CMM)

 CMM is a vehicle through which the mining sector engages with Government and the broader society in Mozambique



Multi-stakeholder platform (MSP)

- Cabo Delgado MSP is a platform that promotes inclusive sustainable development
- Battery Minerals is the only mining company to participate in the platform

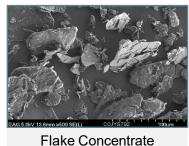


The Value of Vertical Integration

The anode pre-cursor value chain is currently controlled by China, an opportunity exists to enter this valuable vertically integrated with the increased participation of strategic non-Chinese customers who rely on anode pre-cursor material supply

Added value to investors through increased margins Coating \$4,000-6,000¹ Spheronization and purification \$3,350-4,350 Fine Flake Concentrate \$400 - 1,000 Operational cost synergies result in higher margins being captured through vertical integration

High Purity and Anode Precursor Material Testwork		
Urbix	MOU signed to assess developing purification operation in Mozambique	
Purification Process	Low temperature , 80 $^{\rm oC},$ non-HF chemical process, with no impact on flake morphology	
Spheroidizing Process	Non-Chinese, high recovery machine	
Purification Preliminary Results	Grades of 99.95% TGC achieved across all flake sizes	
Spheriodization Preliminary Results	Recoveries of >75% achieved, TAP density > 1g/cm ³	
Other	High purity Montepuez flake successfully used in USA Dept of Energy nuclear applications grant funded test program	
Path Forward	Bulk testwork programme planned once Urbix pilot plant operational – Q3, 2020	



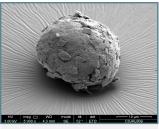


Graphite Concentrate @ 96%TGC

proprietary innovative purification and spheroidisation technology

Purified Spherical Graphite @ +99.95% TGC





Spherical Graphite



Our Path Forward

Battery Minerals is positioned to respond to the growing, diversified graphite market

Fund The Project

- ThirdWay Africa appointed as lead financial advisor¹
- ThirdWay specialises in securing funding for African projects

Montepuez Filter Press

- All due diligence and associated documentation completed
- · Funding process started

Build the Project

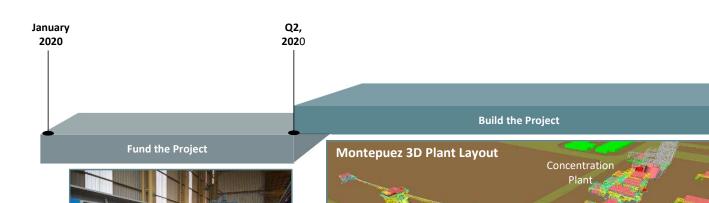
- · Complete due diligence
- Appoint EPCM
- · Appoint key vendors and specialists
- Complete outstanding long lead items fabrication
- Undertake construction
- Develop the mine pits

Commission the Project

- · Wet commission the process plant
- Complete staff recruitment and training
- Implement require environmental processes
- Hand over operations to Suni Resources

Q2,

2021



Commission the Project

Q3,

2021



1 Refer Company ASX Announcement 29 August 2019

Milling and Sizing Plant



Disclaimer

Forward Looking Statements

- Statements and material contained in this Presentation, particularly those regarding possible or assumed future performance, resources or potential growth of Battery Minerals Limited, industry growth or other trend projections are, or may be, forward looking statements. Such statements relate to future events and expectations and, as such, involve known and unknown risks and uncertainties. Such forecasts and information are not a guarantee of future performance and involve unknown risk and uncertainties, as well as other factors, many of which are beyond the control of Battery Minerals Limited. Information in this presentation has already been reported to the ASX.
- Battery Minerals confirms that all the material assumptions underpinning
 the production targets for its Montepuez and Balama Central graphite
 projects and any of the forecast financial information derived from these
 production targets, in the 4 and 12 December 2018 ASX announcements,
 on these projects continue to apply at the date of release of this
 presentation and have not materially changed. Battery Minerals confirms
 that it is not aware of any new information or data that all material
 assumptions and technical parameters underpinning the estimates in the 4
 and 12 December 2018 announcements continue to apply and have not
 materially changed.

Competent Persons Statement

- All references to future production and production & shipping targets and
 port access made in relation to Battery Minerals are subject to the
 completion of all necessary feasibility studies, permit applications,
 construction, financing arrangements, port access and execution of
 infrastructure-related agreements. Where such a reference is made, it
 should be read subject to this paragraph and in conjunction with further
 information about the Mineral Resources and Ore Reserves, as well as the
 relevant competent persons' statements.
- Any references to Exploration Results, Ore Reserve and Mineral Resource estimations should be read in conjunction with the competent person statements included in the ASX announcements referenced in this presentation as well as Battery Minerals' other periodic and continuous disclosure announcements lodged with the ASX, which are available on the Battery Minerals' website.

- The information in this report that relates to Battery Minerals' Mineral Resources or Ore Reserves is a compilation of previously published data for which Competent Persons consents were obtained. Their consents remain in place for subsequent releases by Battery Minerals of the same information in the same form and context, until the consent is withdrawn or replaced by a subsequent report and accompanying consent.
- The information in this Presentation that relates to Montepuez Mineral Resources and Ore Reserves is extracted from the ASX Announcements dated 18 October 2018 and 4 December 2018 respectively, both of which are available at Battery Minerals website in the ASX announcement page.
- See ASX announcements on the Balama Central Feasibility Study dated 12
 December 2018 for details, Table 1 and Competent Person Statement
- Any references to Mineral Resource estimates on the Balama Central Project should be read in conjunction with the competent person statements included in the ASX announcements referenced in this report (See ASX announcement dated 29 March 2018 entitled "Resources double at Balama Central graphite project in Mozambique" for full details and Competent Persons Statement) as well as Battery Minerals' other periodic and continuous disclosure announcements lodged with the ASX, which are available on the Battery Minerals' website.
- The information in this presentation that relates to Battery Minerals' Balama Central Mineral Resources is a compilation of previously published data for which Competent Persons consents were obtained. Their consents remain in place for subsequent releases by Battery Minerals of the same information in the same form and context, until the consent is withdrawn or replaced by a subsequent report and accompanying consent.
- The information in this presentation that relates to Mineral Resources in the ASX announcement dated 29 March 2018 and entitled "Resources double at Balama Central Graphite Project in Mozambique" which is available at Battery Minerals Limited website www.batteryminerals.com.au in the ASX announcements page.

- Battery Minerals confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the market announcements continue to apply and have not materially changed. Battery Minerals confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.
- Battery Minerals Limited released the results of a DFS on its Montepuez Project on 15 February 2017 & its Value Engineering Study (VES) results for Montepuez on 18 October 2017. These releases are available on Battery Minerals' website & ASX.
- Battery Minerals Limited released a vanadium mineral resource on 29 April, 2019. All material assumption underpinning this mineral resource continue to apply at the date of this release and have not materially changed.

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Appendix - Resource and Reserve Details

Montepuez Graphite Project

Montepuez Graphite Project ¹ November 2018 Ore Reserve Estimate							
Deposit	Ore type	Ore (Mt)	TGC (%)				
Buffalo	Weathered	3.58	8.31				
	Fresh	16.80	10.06				
	Subtotal	20.38	9.75				
Elephant	Weathered	2.41	8.39				
	Fresh	19.41	8.87				
	Subtotal	21.82	8.82				
TOTAL	Weathered	5.98	8.34				
	Fresh	36.21	9.42				
	TOTAL	42.19	9.27				

Montepuez 2018 Mineral Resource Estimate (2.5% TGC Cut-off) ²

	Total Mineral Resource			
Туре	Mt	% TGC Cont. Graphite (1000 tonnes)		
Weathered	10.3	7.7	790	
Primary	109.2	8.1	8,870	
Total	119.6	8.1	9,660	

¹ See ASX announcement on 4 December 2018 for "Increase in Montepuez Graphite Reserve" for detailed disclosure.

Balama Central Graphite Project

Ore Reserve Estimate (6% TGC cut-off grade) ³						
Pit	Ore type	Ore (Mt)	TGC (%)			
Lennox	Weathered	3.36	11.09			
	Fresh	8.19	11.70			
	Total	11.55	11.52			
Byron	Weathered	2.08	10.18			
	Fresh	6.02	10.49			
	Total	8.11	10.41			
Total	Weathered	5.44	10.74			
	Fresh	14.21	11.19			
	Total	19.66	11.06			

Total Mineral Resource ⁴						
Domain	Type	Tonnage	TGC	Cont. Graphite		
		Mt	%	kt		
High Grade GS1 (>10% TGC)	Weathered	3.2	15.7	498		
	Primary	9.1	15.7	1,429		
(* 1070 100)	Sub-Total	12.3	15.7	1,927		
Medium Grade (6 to 10% TGC)	Weathered	4.2	6.9	288		
	Primary	16.4	6.9	1,142		
	Sub-Total	20.6	6.9	1,430		
	Total	32.9	10.2	3,357		

³ See ASX announcement on 12 December 2018 for "Maiden Reserve for Balama" for detailed disclosure.

² See ASX announcement on 18^{th} October 2018 for "Group Resources Update" for detailed disclosure,

⁴ See ASX announcement on 29 March 2018 for "Mineral Resource Doubles at Balama" for detailed disclosure,





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