EPANKO GRAPHITE PROJECT FOUNDED ON SALES TO THE TRADITIONAL MARKETS BUT

FOR THE



ASX: KNL FSE: FMK

INVESTOR PRESENTATION June 2018

PREMIUM QUALITY GRAPHITE UNIQUELY TANZANIAN

DISCLAIMER



Securities Disclaimer

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Forward looking Statements

Various statements in this presentation constitute statements relating to intentions, future acts and events. Such statements are generally classified as "forward looking statements" and involve known and unknown risks, uncertainties and other important factors that could cause those future acts, events and circumstances to differ materially from what is presented or implicitly portrayed herein. The company gives no assurances that the anticipated results, performance or achievements expressed or implied in these forward looking statements will be achieved.

The production targets and forecast financial information referred to in this presentation were originally reported to the ASX by the Company on 21 June 2017 and on 5 December 2017. All material assumptions underpinning the production targets and forecast financial information reported in those ASX announcements continue to apply and have not materially changed.

Competent Person

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Andrew Spinks, who is a Member of The Australasian Institute of Mining and Metallurgy included in a list promulgated by the ASX from time to time. Andrew Spinks is a director of Kibaran Resources Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Andrew Spinks consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Mineral Resources is based on information compiled by Mr David Williams, a Competent Person, who is a Member of The Australasian Institute of Mining and Metallurgy. David Williams is employed by CSA Global Pty Ltd, an independent consulting company. Mr Williams has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". David Williams consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to the Ore Reserve has been compiled by Mr Steve O'Grady. Mr O'Grady, who is a Member of the Australasian Institute of Mining and Metallurgy, is a full time employee of Intermine Engineering and produced the Mining Reserve estimate based on data and geological information supplied by Mr Williams. Mr O'Grady has sufficient experience that is relevant to the estimation, assessment, evaluation and economic extraction of the Ore Reserve that he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves". Mr O'Grady consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

INTRODUCTION



2018-19 is a pivotal phase in Kibaran's five year journey to establish a scalable, long term graphite mining and downstream processing business:

- Construction of the Epanko Graphite Project
- First sales of eco-friendly purified spherical graphite





EV natural graphite consumption forecast to increase approximately 700% by 2025 to over 800ktpa1



Note 1: 55kg per EV, 22kg per PHEV and 5.5kg per HEV [UBS forecast up to 1.1mtpa]

CORPORATE PROFILE

- Listed in Australia and Germany
- Chairman Robert Pett, Managing Director Andrew Spinks and in-country Project Director Grant Pierce OAM have extensive experience in Tanzania, established Tanzania's Golden Pride Gold Mine and are recipients of the President's Award in Tanzania for environmental excellence
- German-based graphite professional Christoph Frey (ProGraphite) and CFO Howard Rae



3 East African graphite projects with Epanko as the lead project

Shares on issue	Key holders	Market cap
Listed 256m F-diluted 259m	Colonial 7% Board 9% Value-on-Gr. 5% GR Engineer. 2%	US\$30m

Life-to-date

project spend

Over US\$25m

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KEY STAKEHOLDERS

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Investors

Colonial First State



Sales and offtake contracts





EGT Europe

German, Australian and African lenders

KFW IPEX-Bank





Engineering and technical expertise









Trademarks and branding



BUSINESS SUMMARY



Total pre-tax NPV ₁₀ US\$356m (geared, nominal terms)	EPANKO GRAPHITE pROJECTNatural Flake Graphite (NfG)Production NPV10 EBITDA60ktpa US\$211m 	Downstream production facilitySpherical Graphite (SpG) (F) Fines (UN) Unpurified (P) Purified (P) PurifiedProduction NPV10 EBITDA20ktpa US\$145m US\$30.5m
Products	TANZ Graphite	🔀 EcoGraf
Status	Feasibility study Jun 2017Feasibility study DecBank technical review Aug 2017Non-HF purification IP deveDebt financing in progressPilot plant comme	
Pre-production cost	US\$89m	Pilot plant/scale-up <us\$4m 5,000tpa US\$25m 20,000tpa US\$41m</us\$4m
Early Works Construction	GR Engineering 13mths	12mths
IRR Payback	38.9% 3.5yrs	34.3% 3yrs

DEVELOPMENT PLAN



	Epanko Graphite Project	Downstream Production Facilities	Status
Q1 2018	Develop project implementation terms	Establish pilot plant Commence SpG German test work program	Completed
Q2 2018	Meetings with Ministers and Bank of Tanzania Meetings with German & Australian Governments	Update customers on test work Finalise product branding and trade-marks Secure German Government funding	Completed
2H 2018	Detailed engineering design process Finalise EPC contract Lender term sheets Final credit committee submissions German Government UFK loan guarantee	Tanzanian Special Export Zone licence Finalise test work and plant data Scale pilot plant to produce 3,000tpa Complete plans for 5,000-20,000tpa purified SpG plant	Advanced Planning
2019	Construction & pre-production	Commence sales of unpurified SpG Construction of SpG purification facilities	
	TANZ <i>Graphite</i>	K EcoGra	







- Mineral resource supports potential for depth and strike extensions of the Ore Reserve pit shells
- Mineralisation commences at surface with minimal cover
 - Average LOM strip ratio 0.4 : 1
- Favourable mineralogy delivers quality and drives robust project economics
 - High proportion of large flake sizes
 - Graphite is easily liberated and delivers high yield
 - Higher carbon grade achieved through simple processing
 - Low levels of in-situ deleterious elements

Epanko Mineral Resource Estimate >8% TGC

JORC Classification	Tonnage (Mt)	Contained Graphite (t)
Measured	7.5	738,900
Indicated	12.8	1,280,000
Inferred	10.4	1,030,600
Total	30.7	3,049,500

Epanko Drill Core Rock Texture



Epanko rocks have undergone extremely high metamorphic pressure and temperature forces that have created unique 'cheetah' like rock textures.

OUTLOOK OF WESTERN ZONE RIDGE LINE



WESTERN ZONE MINERALISATION



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GRAPHITE IS THE MAJOR BATTERY COMPONENT



 Battery anode produced with Kibaran product sample SPG 14.5 in a leading German research institute

FEASIBILITY STUDY - BATTERY GRAPHITE

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- Feasibility Study for 20,000tpa production of battery graphite NPV₁₀ US\$145m
 - Targeting 30% of market demand outside of China by 2020
- Major breakthrough with proprietary 'green' purification method
 - No hydrofluoric (HF) acid required to achieve spherical graphite specification of +99.96%.
 - Provisional patent lodged supported by trademarks
- Product qualification
 - Product samples meet specifications of leading battery manufacturers in Asia and North America
 - First product sample produced via optimised flowsheet
- Pilot plant test work commenced with phased expansion to meet demand
 - Evaluation of graphite sources other than Epanko enables early production



DOWNSTREAM PRODUCTION FACILITY

Spherical Graphite (SpG) (F) Fines (UN) Unpurified (P) Purified





German Pilot Plant Update

- Preparing product samples for SPG trials customised for end users
- Optimised purification testwork expected to further reduce consumable and energy consumption leading to lower operating costs
- Funding support from the German Government for pilot equipment
- Plans to expand pilot plant facilities to Stage 1 production on schedule with strong interest for the development from German organisations and Government
- Application of the new eco-friendly purification process to existing graphite feedstocks from Africa, South America, Europe, India and Asia has commenced – initial results expected shortly





Phased commercialisation strategy for K EcoGraf

Phase		Battery (Spherical) Graphite	Fines Products
Stage 1	Pilot Plant Test Work Expansion ¹	Epanko + Other existing feedstocks 3,000tpa customer trials and sales	<3,000tpa
Stage 2	Commercial Launch	5,000tpa	<5,000tpa
Stage 3	Commercial Expansion	20,000tpa	<20,000tpa

*Refer ASX Announcement 5 December 2017 and the Company confirms there are no material changes to the assumptions in that release.



NATURAL BATTERY GRAPHITE SUPPLY CHAIN





MINING, PRODUCTION AND SALES NETWORK





COMMUNITY DEVELOPMENT & ENGAGEMENT



Bridge2Aid

Kibaran is a founding donor to Bridge2Aid Australia which commenced last year. The charity is now up and running, with several Australian volunteer dentists already travelling to Tanzania in May this year.

Sponsorship of Local Youth – Training & Employment within the Local Community

A screening process was conducted by Kibaran identifying 32 youth in the project's catchment area and as a result has sponsored 6 youths that have passed the VETA entrance exam to attend VETA in Ifakara for 2 years. VETA is akin to TAFE in Australia. Half of the group are completing fitter/mechanics courses, several are doing carpentry and a others are doing masonry/bricklaying. The intent being to offer them a job when they have completed their course. Employment opportunities within the local community will continue to grow as our project progresses.

Keep-A-Girl in School

In terms of hygiene and health, the Company donated 12 months' supply of female hygiene products to every girl at both Nawenge Secondary School and Celina Kombani Secondary School under the banner of Keep- A- Girl-In-School. Feedback from both schools showed an increase in attendance of the girls at school and an increase in academic performance.

School Donations

The Socks for Schools initiative, coordinated by Mr Mark Ould of Malibu Podiatry in Western Australia and supported by other WA podiatrists, continued this year. The socks were distributed by Kibaran to children in various secondary schools in the Ulanga District along with footballs and netballs. Cement was donated to Ulanga Secondary School to assist with construction of classrooms.

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"Development of Kibaran's graphite project will be to the benefit of all key stakeholders with genuine and lasting benefits for all the local community"

- Direct employment and training of over 200 Tanzanians during operations. Multiplier effect is expected to reach 10-15 times
- Over US\$500m will be invested in Tanzania via taxes, royalties, inspection fees, salaries and wages, purchases of goods and services in the first 20 years
- Positive economic and social impacts for the Ulanga District and Morogoro Region

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INVESTMENT CASE



EPANKO BANKABLE FEASIBILITY STUDY - 60KTPA

DEBT FINANCING & MINE DEVELOPMENT

BATTERY GRAPHITE FEASIBILITY STUDY - 20KTPA

X TANZGraphite

Total pre-tax NPV₁₀ US\$356m vs US\$30m KNL enterprise value (geared, nominal terms)



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PILOT PLANT UNDERWAY IN GERMANY



*Refer ASX Announcements 21 June 2017 and 5 December 2017.







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