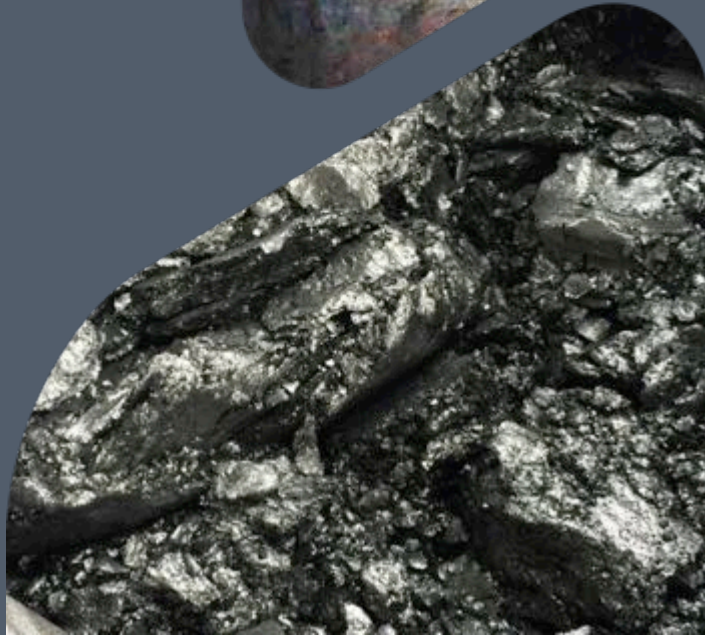




**Bass Metals** Ltd.

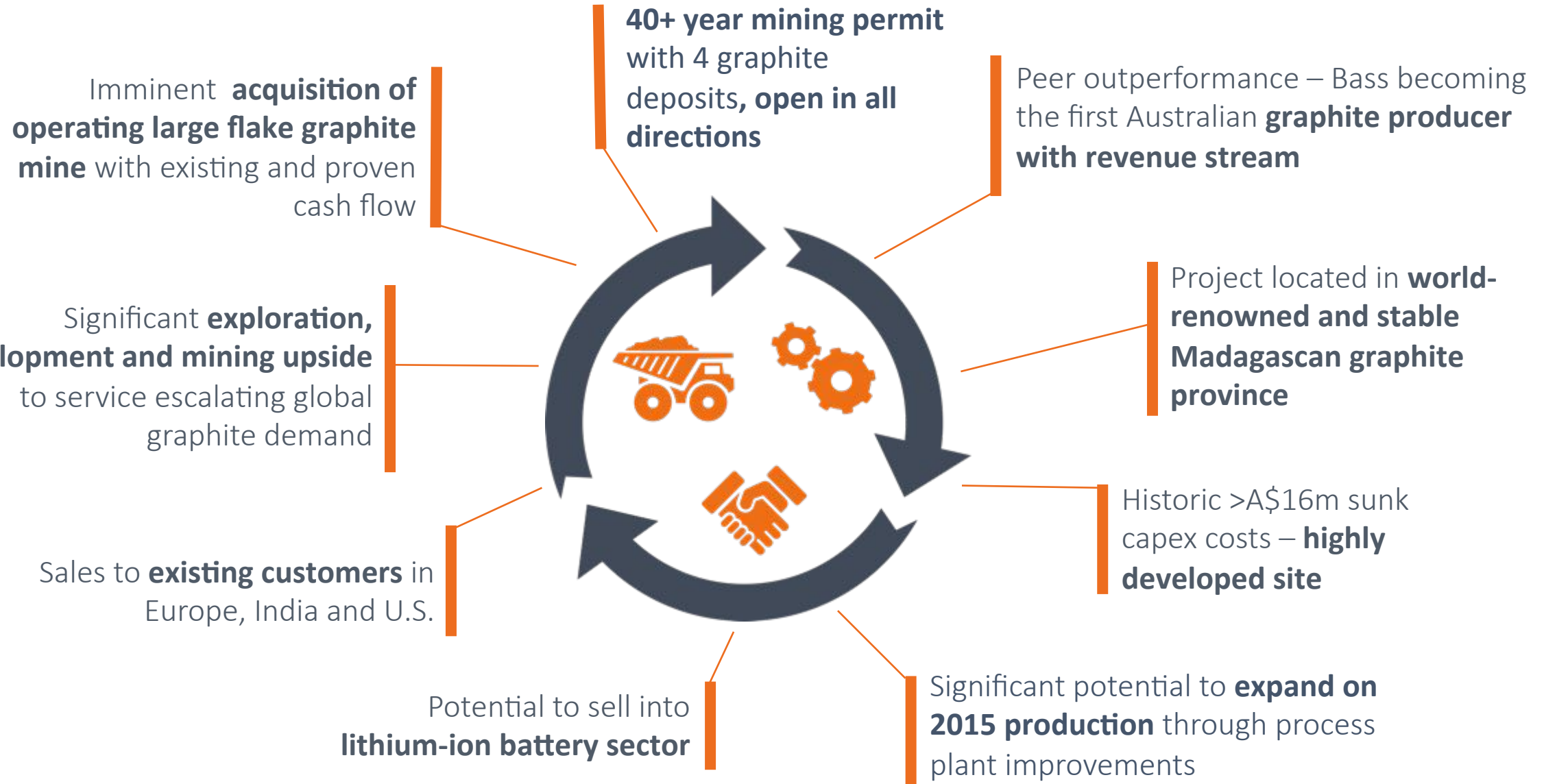
*Transitioning to become  
Australia's only large flake  
graphite producer*

June 2016



# At a Glance

For personal use only



# Executive Summary

Bass Metals Ltd (“Bass”) will become (Q3 2016) the only **ASX Listed producer of graphite**, with immediate cash flow, by acquiring the producing Graphmada Large Flake Graphite mine in Madagascar, from Stratmin Global Resources Plc (“Stratmin”).



## Why Graphmada?

- ✓ Operating asset, with established cash flows and potential for lower operating costs.
- ✓ Established international markets with high purity, large flake product sold into India, Europe and the U.S., with potential exposure to lithium-ion battery demand.
- ✓ Asset has been significantly de-risked with a large amount of capital spent establishing operations (>A\$16m).
- ✓ Significant development potential, both near-mine and regionally, with mineralisation open to depth and along strike, across four known deposits.
- ✓ Staged acquisition aligned with value creation milestones (material expansions in production).
- ✓ Stable and supportive jurisdiction with security of tenure for 40 years.

# Corporate Snapshot

For personal use only

## Rick Anthon – Non-Executive Chairman

>30 years' experience in both corporate and commercial law, is a director of a number of resource companies, and is currently Legal Counsel to Orocobre Ltd., Australia's premier Lithium producer.

## Jeffrey Marvin – Non-Executive Director

>20 years working with corporate management and investors to bring international mineral projects to public markets.

## David Premraj – Non-Executive Director

Principal of Singapore based Consolidated Minerals Pte Ltd, a privately held company with a global portfolio of metals and mining investment projects.

## David Round – Chief Financial Officer & Company Secretary

An accountant with extensive resource sector experience as CFO and Company Secretary to a number of resource development and mining companies.

Share Price  
1.2 cents

Shares  
on Issue  
460.3m

Cash and  
Receivables  
A\$2.2m<sup>2</sup>

Market Cap  
~\$5.5m

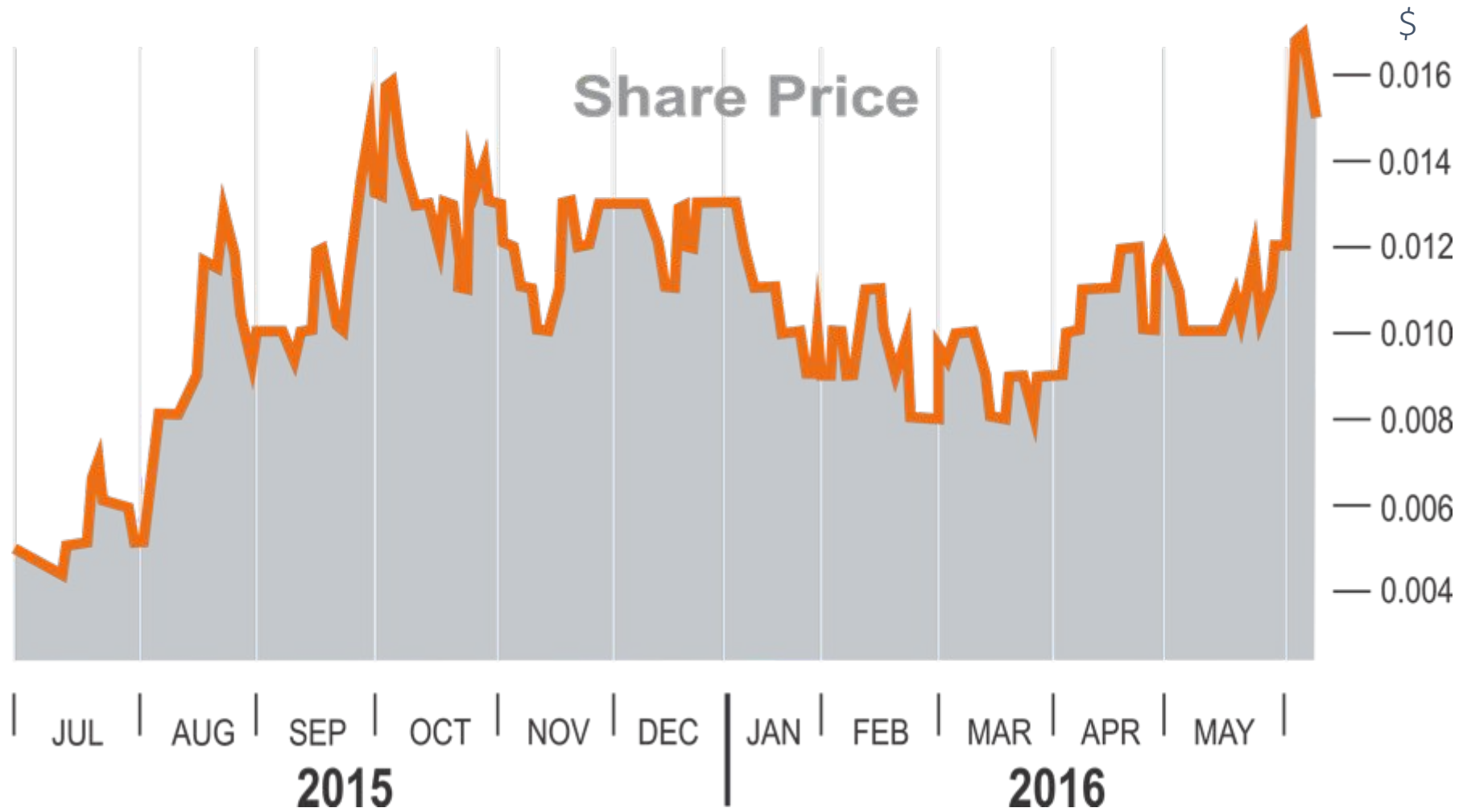
Options  
on Issue  
33.3m<sup>1</sup>

<sup>1</sup> Unlisted options excisable at \$0.015, expiring on 31 December 2018.

<sup>2</sup> Inclusive of cash March 31 2016, receivables as per ASX announcement 18<sup>th</sup> November 2015 and the Company's half year report announced 15 March 2016.

# Share Price

For personal use only



# Our Potential

Transitioning to become  
Australia's **only** large  
flake **graphite**  
**producer**



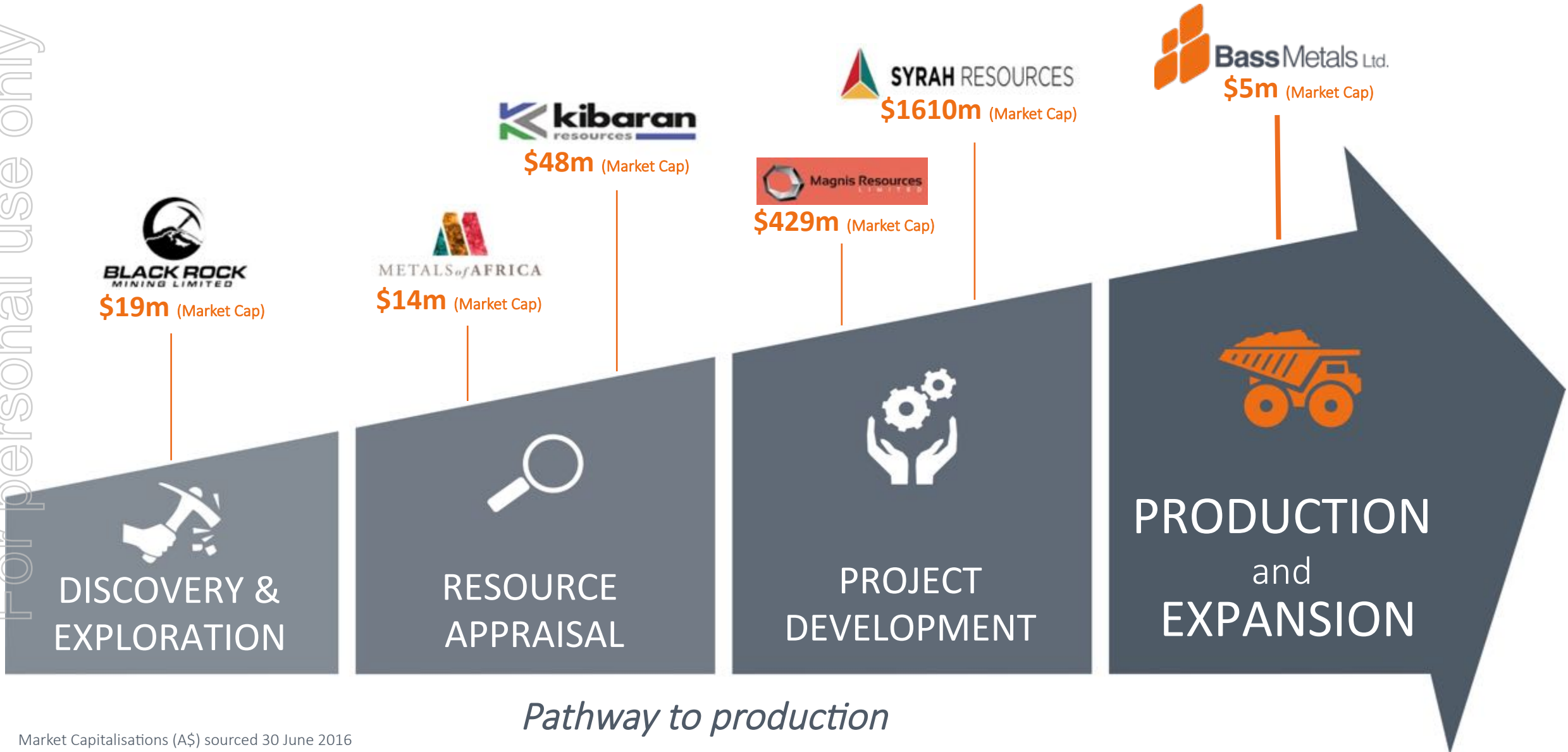
- ✓ Already producing mine
- ✓ 40+ year mining permit
- ✓ Sales agreements in place
- ✓ Low cost entry
- ✓ >A\$16m CapEx already invested
- ✓ Low cost production
- ✓ Significant potential for expansion



Considerable  
potential  
upside for  
**growth**

# Our Potential

For personal use only



*Pathway to production*

# Deal Structure

Bass owns 6.25% of Graphmada Mauritius (“Graphmada”), purchased from Stratmin for A\$1m in December 2015.



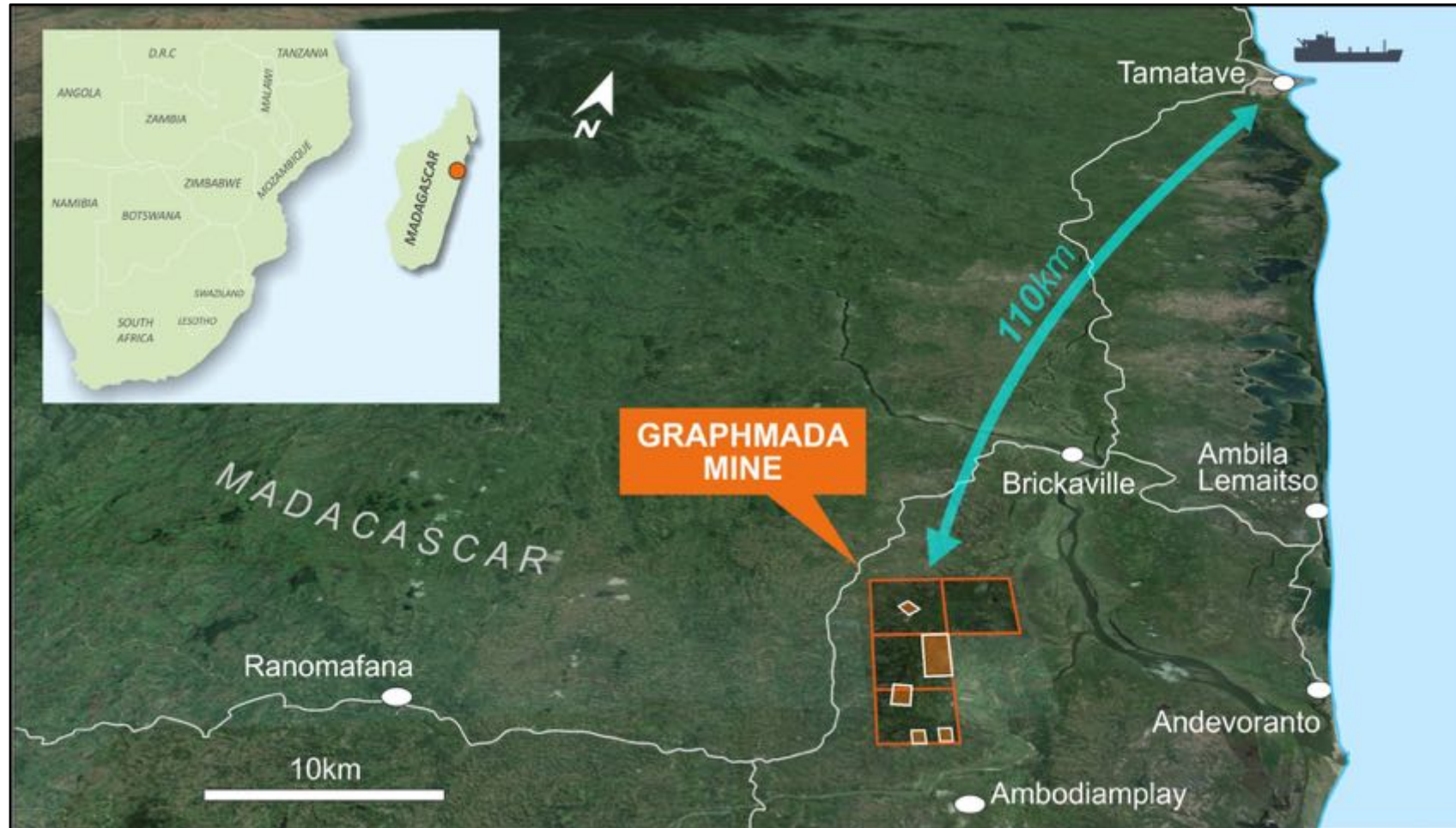
- Bass can secure<sup>1</sup> the remaining 93.75% of Graphmada by completing Tranche 1 conditions:
  - Payment of A\$1.5m
  - Issue A\$750k worth of Bass ordinary shares to Stratmin at 1 cent per share
  - Grant to Stratmin a Net Royalty of 2.5% with payments not to exceed A\$5m.
- In addition, will make two further payments (“Tranches 2 and 3”) on the achievement of substantial production milestones:
  - A further A\$3m worth of Bass ordinary shares on achieving production of 1,250 tonnes of graphite concentrate over 3 consecutive months on or before 31 December 2017 (“Tranche 2”); and
  - A further A\$5m worth of Bass ordinary shares on achieving production of 2,500 tonnes of graphite concentrate over 3 consecutive months on or before 31 December 2018 (“Tranche 3”).
- Tranches 2 and 3 shares shall be issued to Stratmin based on the Company’s Value Weighted Average Price in the 20 traded days immediately prior to the achievement of the above production output values.

<sup>1</sup> Completion of the transaction being subject to the signing of a Share Purchase Agreement, obtaining shareholder approval by Bass and Stratmin, and Bass successfully funding the acquisition.



# Location

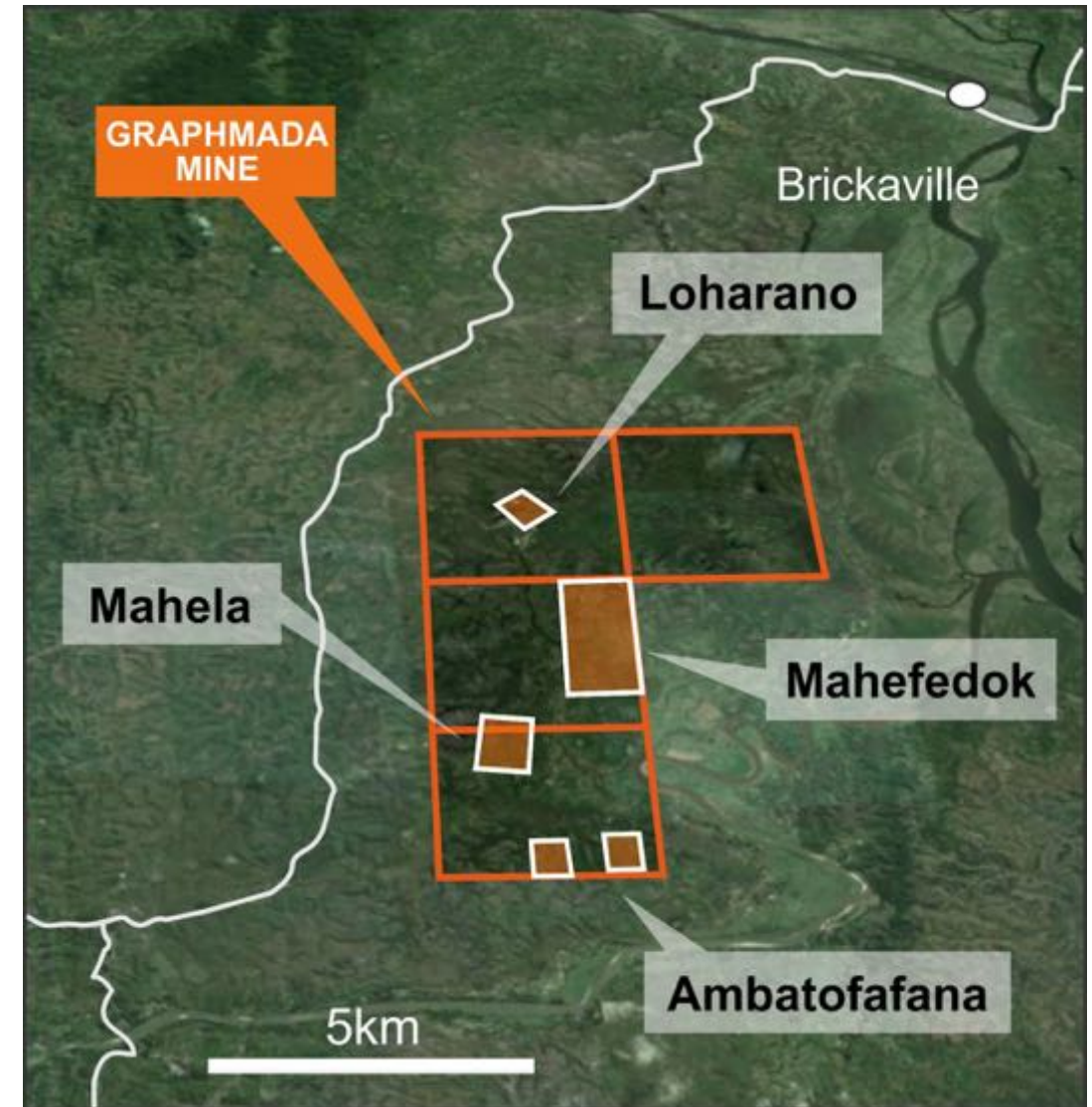
Madagascar has produced **benchmark quality graphite** for over 100 years due to a high proportion of high purity, large flake crystalline graphite, which is the **preferred feed for lithium-ion battery** manufacture.



Location of Graphmada

# Graphmada Overview

- Graphmada is an **operating mine** with existing customers in the U.S., India and Europe.
- Graphmada has 4 known deposits within its permits:
  - **Loharano** - currently mining
  - **Mahefedok** - under development / trial mining
  - **Mahela** - to be developed
  - **Ambatofafana** - to be developed
- The 130 strong workforce utilises modern facilities and infrastructure:
  - On-site doctor and pharmacy,
  - Housing and offices,
  - Water and communications,
  - State-of-the-art analytical laboratory.



Graphmada permits

For personal use only

- At Graphmada, graphite is hosted in both weathered regolith (~30m depth) and the underlying graphitic gneiss.
- Only the top 5-10m of the Graphmada deposits have been assessed, with results to date showing the graphite grade **increases with depth** and all mineralisation is **open along strike and to depth**.

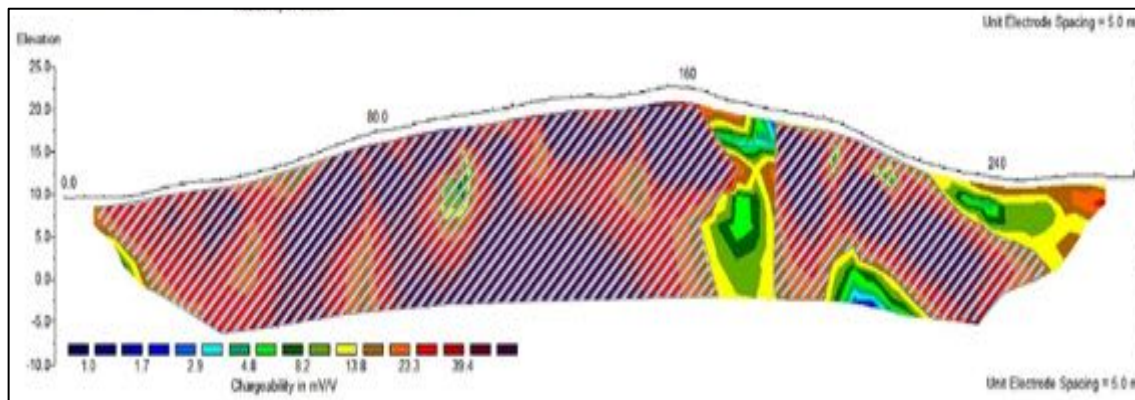
Below is the JORC Mineral Resource for the Loharano Deposit only. These resources **represent only the top 5m** of the deposit.

Loharano Deposit	Tonnage	Grade (Cutoff 2%)	Contained Graphite
Indicated	0.4 Mt	5.1 %	22 Kt
Inferred	5.3 Mt	4.0 %	213 Kt
<b>Total Resources<sup>1</sup></b>	<b>5.7 Mt</b>	<b>4.1 %</b>	<b>235 Kt</b>

Table subject to rounding errors

<sup>1</sup> These estimates were prepared and first disclosed by Stratmin under the JORC Code 2004. The estimates have not been updated to JORC Code 2012 on the basis that the information has not materially changed since it was last reported. A Competent Person has not done sufficient work to classify the estimates as mineral resources or ore reserves in accordance with the 2012 edition of the JORC Code and it is uncertain that following evaluation and/or further exploration work that they will be able to be reported as mineral resources or ore reserves in accordance with the 2012 edition of the JORC Code. Reference is made to the Company's announcement of 2 September 2015 which provides further detail regarding this information.

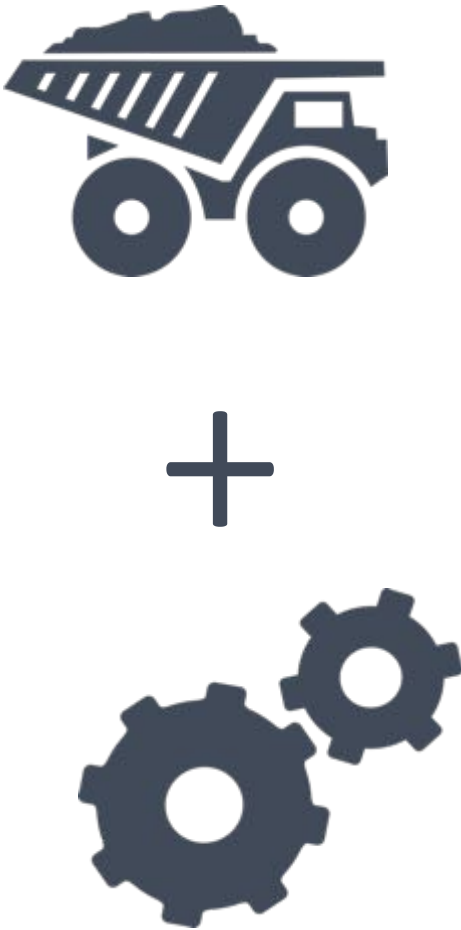
Mahefedok Deposit – Zone 2 Induced Polarization (IP) Survey



High IP chargeability indicating potential graphite mineralisation to depth

# Mining & Processing Operations

For personal use only



Graphmada flotation



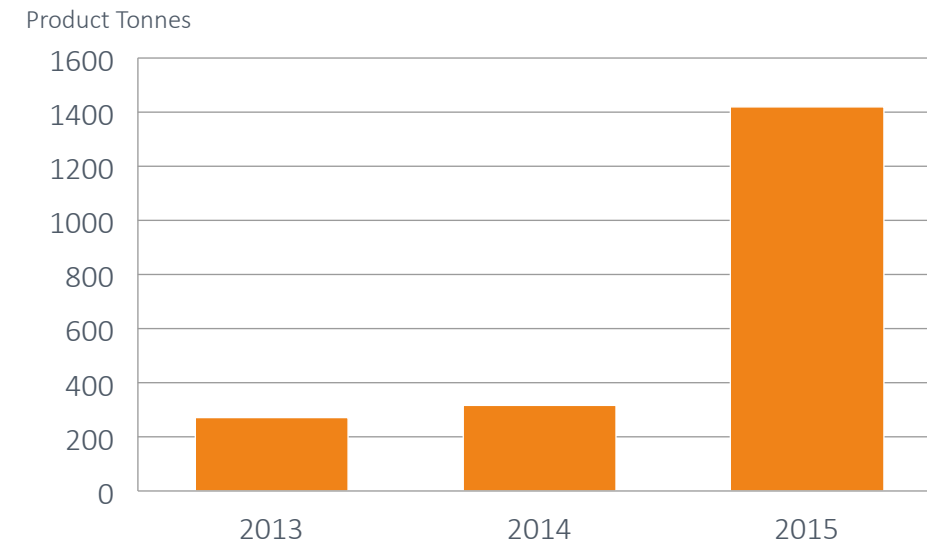
Mining at Loharano

# Mining & Processing Operations

For personal use only

- Established operations with shallow, **low cost mining** and potential to lower costs further.
- Benefits from **significant capital investment** by Stratmin (>A\$16m).
- **Established 6000tpa plant** with analytical laboratory and supporting infrastructure.
- **Improving production** volumes and grade.
- Plan to **substantially increase production**.
- Attractive **large crystalline flake size**.

Graphmada Production

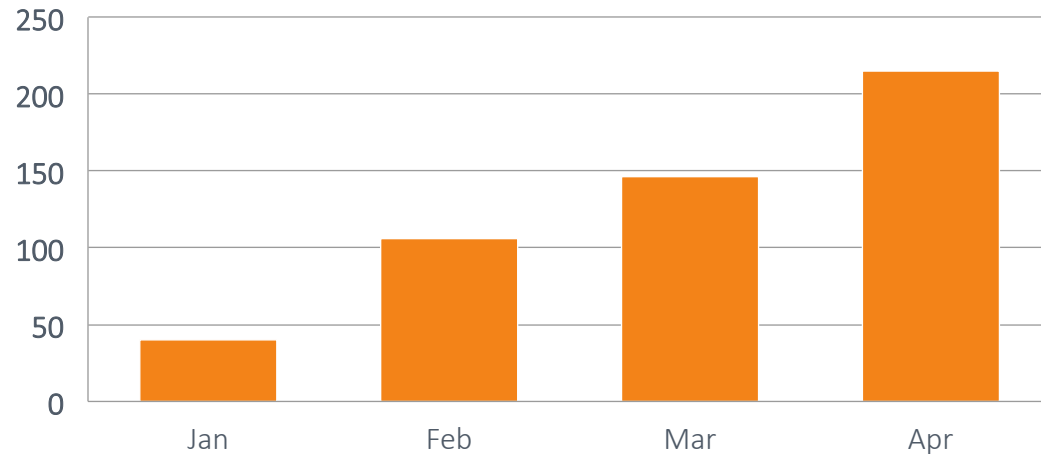


# Logistics and Export

For personal use only

- After drying and packaging on-site, the product is transported 110km by sealed highway to the main export port of Madagascar at Tamatave.
- The high-value >94% TCG<sup>1</sup> product is then exported to Europe, India and the U.S.

Graphmada 2016 Export Tonnes



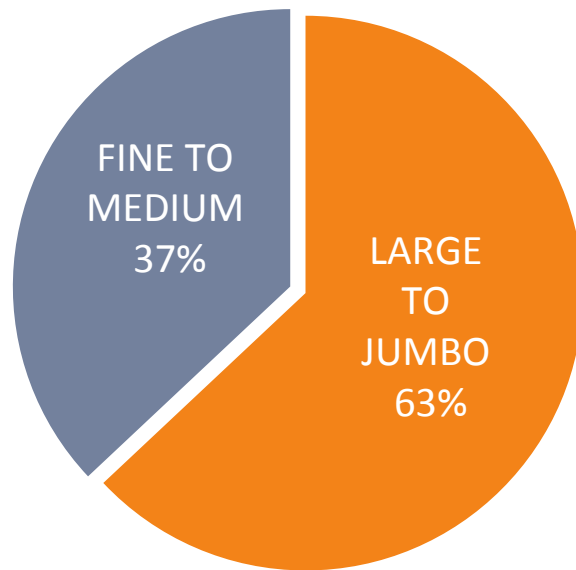
<sup>1</sup> Total Carbon Content



2015 product sales into the U.S., Europe and India

Of ~1500 tonnes.

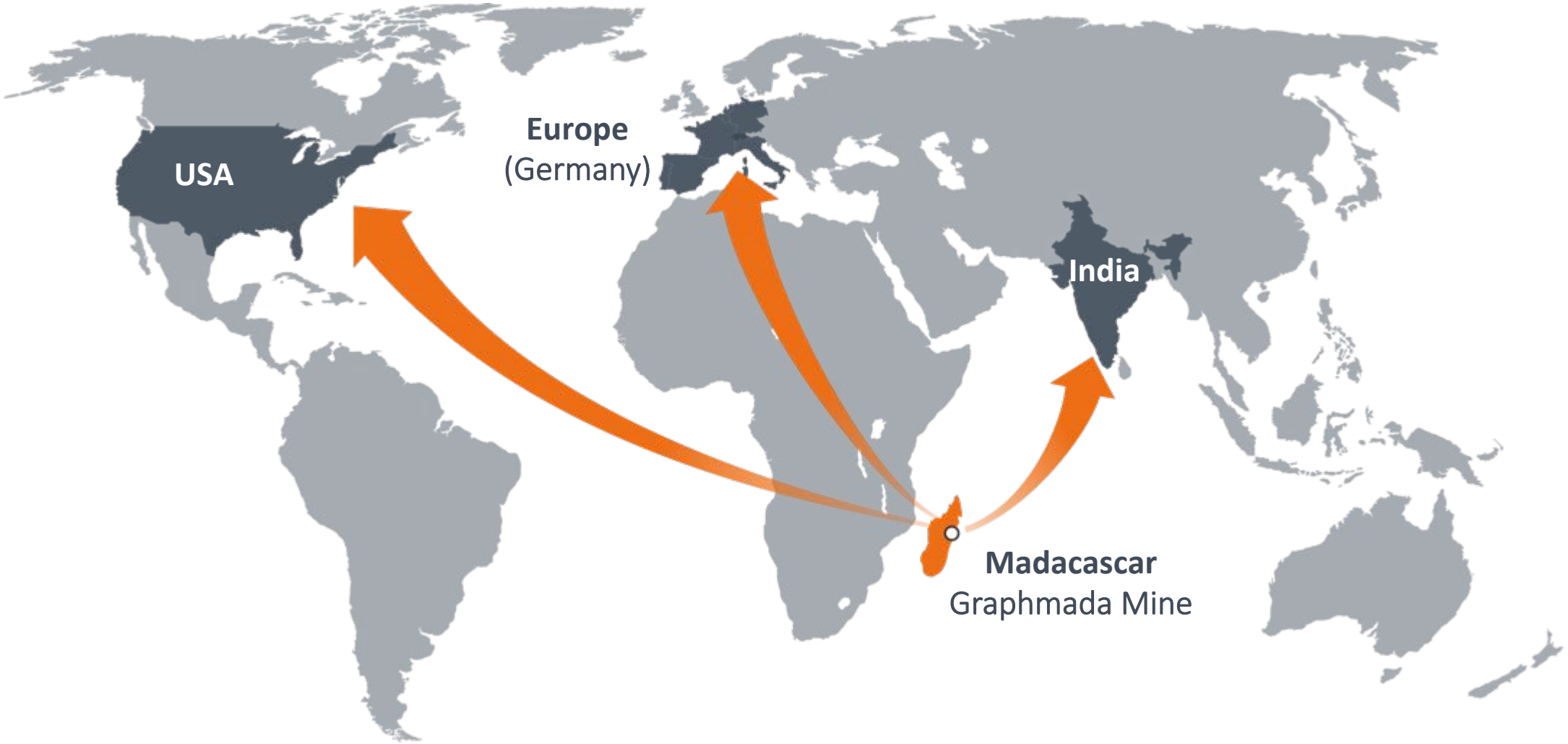
Graphmada Product  
Sold in 2015



Graphmada is a dependable supplier to traditional markets where its product quality is well sought after. Its product quality and desirable crystalline flake structure provides upside into new and growing markets such as the battery, space and nuclear technology sectors.

# Existing Sales Markets

For personal use only





Graphmada's large flake product is ideally suited to the **high growth Lithium-Ion Battery** market.



- **Battery-grade graphite** requires **very high purity levels** and also needs to be **spheroidised**; converting the flat graphite flakes into potato-like shapes, which pack more efficiently. These properties are important for producing the high electrical conductivity that is required during anode operation.
- Spheroidising the graphite flakes also reduces their size, a process known as micronisation. Battery-grade materials require an average diameter of ~10-30 microns. However, starting purity levels tend to decrease with flake size, so large flake material >180 microns (+80 mesh) or greater is typically used. **Large flake graphite** also **reduces wastage**, ensuring a greater proportion of the graphite is used in **anode production**, which **reduces costs**.



# Future Market & Sales

For personal use only

Graphmada's product quality and flake size potentially enables high utilisation in spherical graphite production, allowing for low cost, highly efficient anode production for lithium-ion batteries.

Class	Size (microns)	Avg. Size Distribution %		Indicative Pricing
		 Balama <sup>1</sup>	 Graphmada <sup>2</sup>	
Large - Jumbo	>180	20%	97%	US\$2000-1000
Medium - Fine	<180	80%	3%	US\$700-400



Graphmada Product

<sup>1</sup> Syrah Resources Balama Feasibility Study May 2015.

<sup>2</sup> Asbury Graphite Mills Inc. sizing results: Taken from the Creo Design Competent Person's JORC Report: Independent Technical Report on the Loharano Deposit.

# Mahefedok: Immediate Expansion

For personal use only

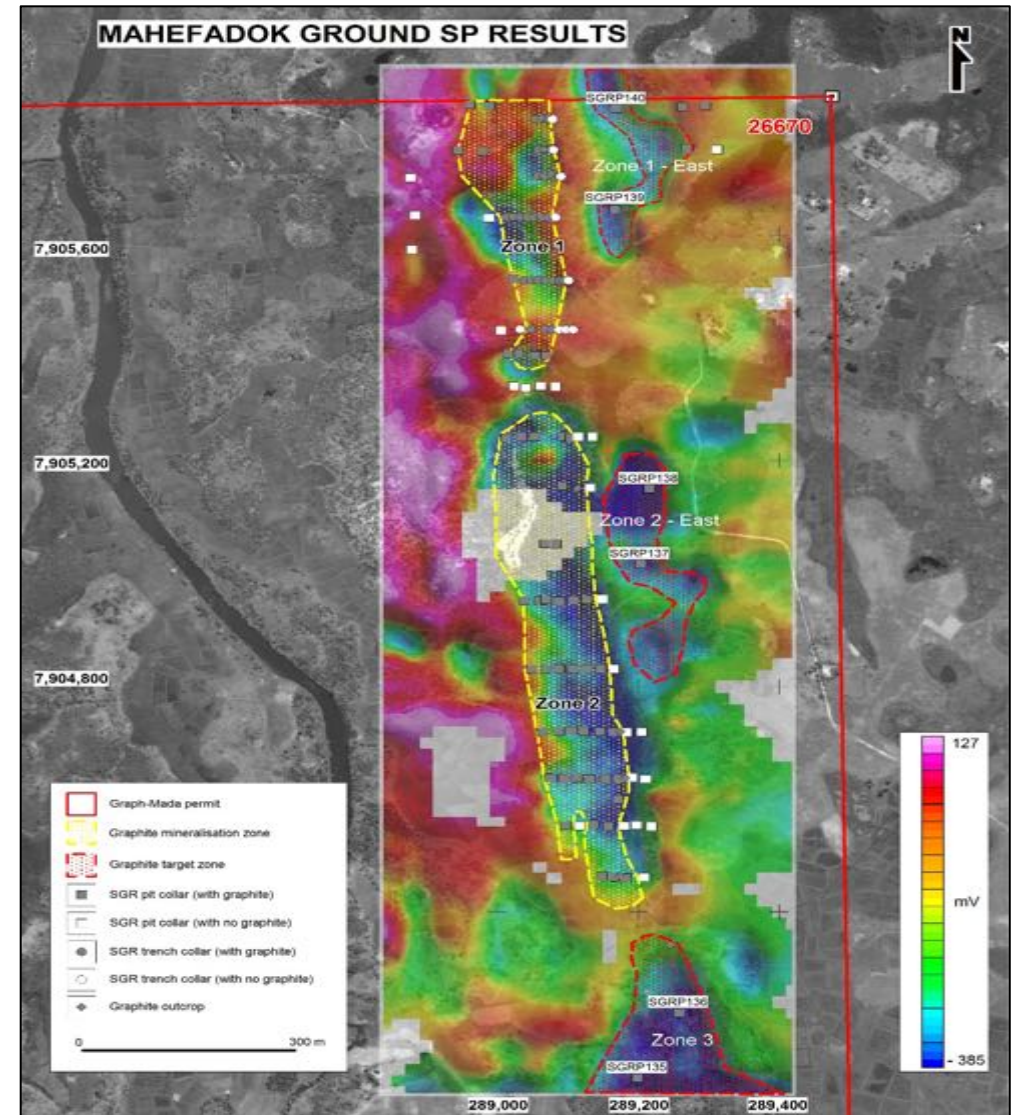
Bass plans to undertake feasibility studies to expand operations to mine Mahefedok, a **deposit potentially substantially larger than the size** of Loharano.

Trial mining and processing has **demonstrated a saleable product**, with some product already sold.

Bass plans to ultimately **establish a second processing plant** designed to expand current production to realise deal metrics.



Graphite mineralisation (~10%TGC) - Mahefedok Deposit.



Mahefedok self-potential (SP) geophysical survey results

## Takeaways

- ✓ Becoming Australia's only listed graphite producer.
- ✓ Operating asset, with established cash flows and potential for lower operating costs.
- ✓ Established markets with high purity, large flake product sold into India, Europe and the U.S., with exposure to lithium-ion battery demand.
- ✓ Asset has been significantly de-risked with a large amount of capital spent establishing operations (>A\$16m).
- ✓ Significant expansion potential, with mineralisation open to depth and along strike.

## Catalysts

- Complete transaction to acquire 100%.
- Substantial plant upgrade.
- JORC 2012 compliant Mineral Resources for Loharano and Mahefedok deposits.
- Completion of studies for Mahefedok expansion.
- Installation of a second processing plant, significantly increasing production capacity.
- Commencement of mining at Mahefedok.
- Downstream partnering and value addition i.e. micronisation plant for battery grade graphite.

# Cautionary Statements



For personal use only

## Forward Looking Statements

This presentation may contain certain forward looking statements. Such statements are only predictions, based on certain assumptions and involve known and unknown risks, uncertainties and other factors, many of which are beyond Bass Metals Ltd's control. Actual events or results may differ materially from the events or results expected or implied in any forward looking statement. The inclusion of such statements should not be regarded as a representation, warranty or prediction with respect to the accuracy of the underlying assumptions or that any forward looking statements will be or are likely to be fulfilled. Bass Metals Ltd. undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date of this presentation (subject to securities exchange disclosure requirements). The information in this presentation does not take into account the objectives, financial situation or particular needs of any person. Nothing contained in this presentation constitutes investment, legal, tax or other advice.

## Competent Person Statement

The information in this report that relates to Mineral Resources, Exploration Results and Exploration Targets is based on, and fairly represents information and supporting documentation prepared and compiled by Mr Jannie Leeuwner and Mr. Jonathan Robbeson, for Exploration Results and Mineral Resources respectively . Mr Jannie Leeuwner – BSc (Hons) Pr.Sci.Nat. MGSSA, a full-time employee of Vato Consulting LLC. Mr. Leeuwner is a registered Professional Natural Scientist (Pr.Sci.Nat. - 400155/13) with the South African Council for Natural Scientific Professional (SACNASP). Mr. Jonathan Robbeson – BSc (Hons1), MEconGeol, (CP Geo), is a full time employee SymAudire Pty Ltd and is a registered Chartered Professional (Geology) with the Australian Institute of Mining and Metallurgy (AusIMM – 304542), both, as mining consultants, have been paid at usual commercial rates for the work which was completed for Stratmin Global Resources Plc and Bass Metals Ltd. Mr. Leeuwner and Mr. Robbeson have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Leeuwner and Mr. Robbeson consent to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

## Subsequent Public Reporting

The information for the JORC Mineral Resource Summary is extracted from the ASX Announcement "Strategic investment in producing graphite asset" released 2 September 2015, which is available to view on [www.asx.com.au](http://www.asx.com.au). Bass Metals Ltd. confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company 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.



**Bass Metals** Ltd.

ASX: BSM

Email: [admin@bassmetals.com.au](mailto:admin@bassmetals.com.au)

Phone: (07) 3221 0783

Post: PO Box 1048, West Perth WA 6904

[www.bassmetals.com.au](http://www.bassmetals.com.au)

