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# TANZANIAN GRAPHITE

**Trevor Matthews**

Investor Presentation  
20 June 2017

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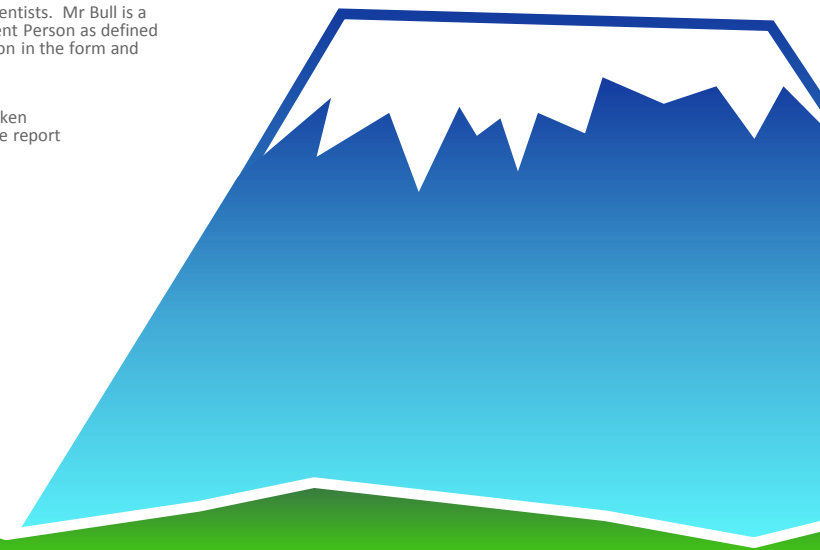
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## Competent Person's Statement

The information in this report that relates to Exploration Targets, Exploration Results is based on information compiled by Mr Matt Bull, a Competent Person who is a member of Australian Institute of Geoscientists. Mr Bull is a Director of Volt Resources. Mr Bull has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'. Matt Bull 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 Mark Biggs, a Competent Person who is a Member of the Australasian Institute of Mining and Metallurgy. Mark Biggs is a Director of ROM Resources Pty Ltd. Mark Biggs has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'. Mark Biggs 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 Ore Reserves is based on information compiled by Mr Andrew Law, a Competent Person who is a Fellow and Chartered Professional of the Australian Institute of Mining and Metallurgy. Mr Law is a Director of Optiro. Mr Law has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Mineral Resources and Ore Reserves'. Mr Law consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.





World class project



Experienced board and management



Strong project economics



Growing market in two distinct sectors



...and we work to a plan!



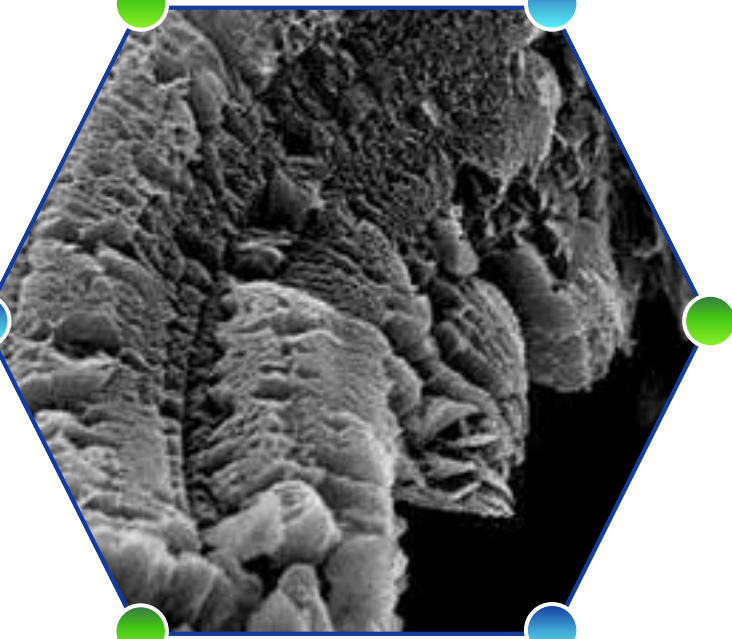
# GRAPHITE:

Critical for our future

Battery anodes (spheroidised graphite)

China: leading the charge in energy storage

Increasing demand for lithium ion batteries  
– expected to more than treble in 4 years



# GRAPHITE:

Critical for our future

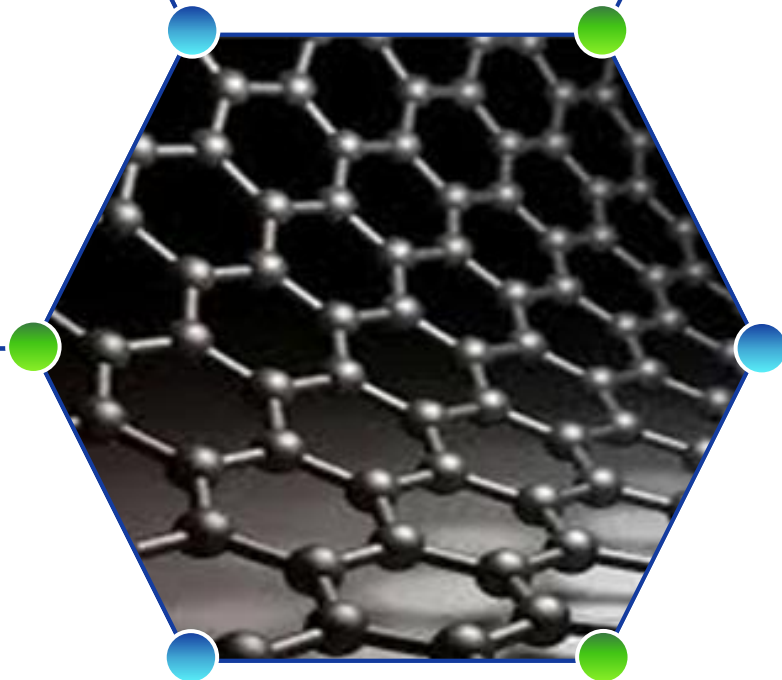
## Insulation (expandable graphite)

China, Europe, Korea and Japan:  
Increased government regulations\*

\*Banned: Halogens (bromides)

\*Required: Flame-retardant insulation foam

Increasing demand for expandable graphite



# GRAPHITE:

Critical for our future

## Graphene

200 times stronger than steel, thinner than a sheet of paper, more conductive than copper

Named a "supply critical mineral" and a "strategic mineral" by the United States and the European Union

Pioneering agreements pave the way  
**INTO NEW MARKETS**



**Agreement**

One of China's leading graphite groups

China's largest building materials group

Conductivity and purity



**Market/  
Product**

Battery anode material processing and concentrate offtake

Expandable focused concentrate offtake, construction support and financing

Graphene: concentrate offtake





# Our new strategic plan is based on **SCALABILITY AND DEMAND**



## STAGE 1

Production of 20,000tpa concentrate

### 2017

- **Q2/3**  
Offtakes & funding
- **Q3**  
Mining licenses approved
- **Q4**  
Complete Stage 1 DFS
- **Q4**  
Commence Stage 1 construction

### 2018

- **Q1**  
Expansion feasibility study complete
- Volt transitions to a 'Producer'
- **Q2/3**  
Commission and ramp up Stage 1
- **Q2/3**  
Cashflows commence

# Our new strategic plan is based on **SCALABILITY AND DEMAND**



1. Refer to Volt's ASX announcements titled "Off-Take MOUs with Leading End-User Groups and Placement" dated 16 June 2017. Counterparties are Optimum Nano 60,000tpa, Huzhou Chyangya 20,000tpa and Shenzhen Sinuo 20,000tpa.



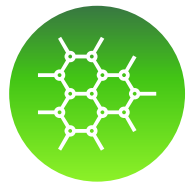
**High**  
conductivity



**No deleterious**  
elements



Upgrades  
**easily**



**99.95%** TGC achieved  
using conventional  
purification techniques



Selected by **Nano  
Graphene** based  
on graphite properties

Volt's superior  
**QUALITY  
GRAPHITE**





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## A WORLD CLASS project with value and scale

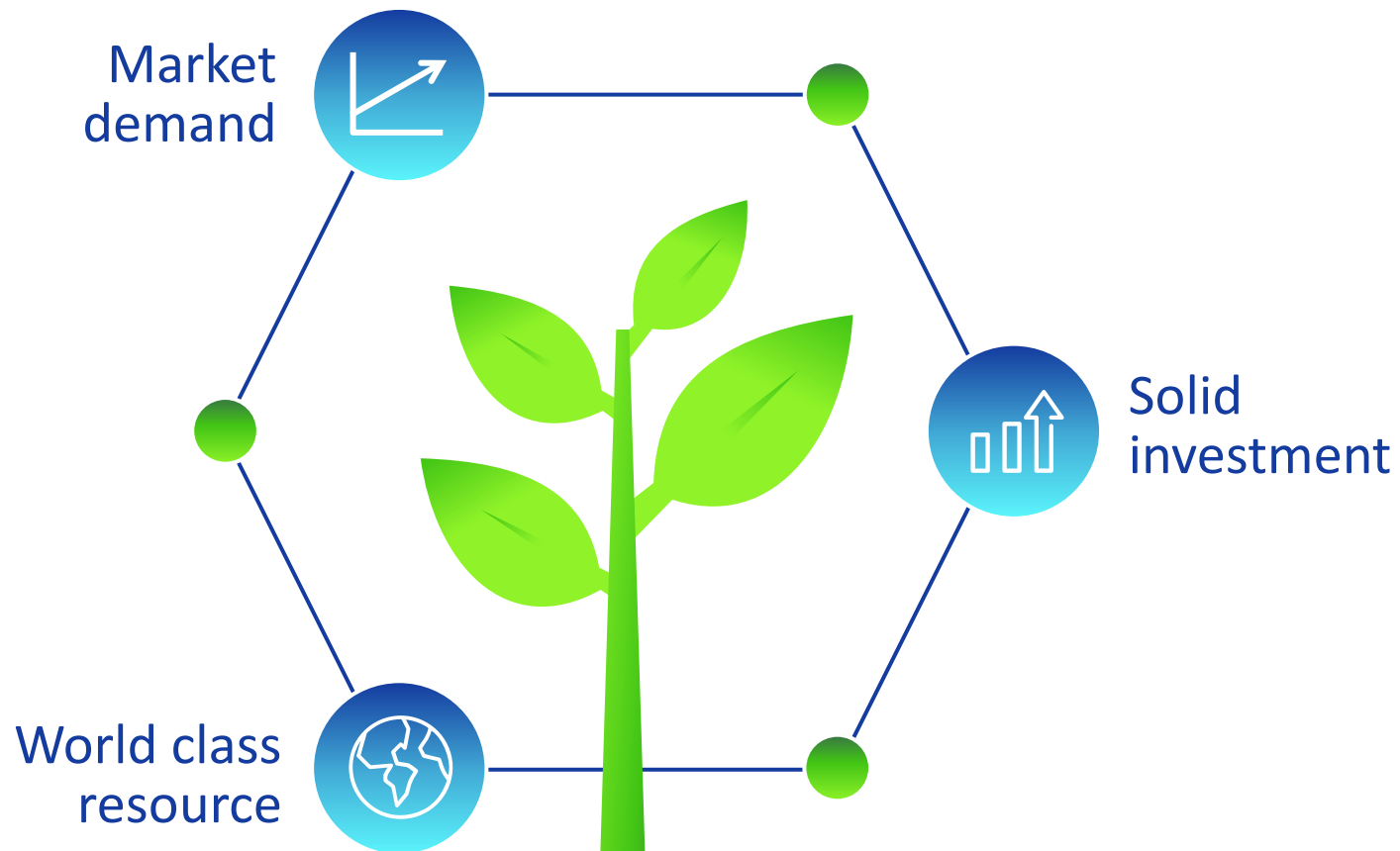
Refer to Volt's ASX announcement titled 'Pre-feasibility Study Completed' dated 15 December 2016. The Company confirms that it is not aware of any new information or data that materially affects the information included in this document and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

The company confirms that it is not aware of any new information or data that materially affects the information included in this document and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. As described in ASX Announcement "Pre-Feasibility Study Completed dated 15 December 2016. **Volt JORC Resource 286Mt @4.9%TGC Inferred, 155Mt@5%TGC Indicated, 20Mt @ 5.3% TGC Measured. Volt JORC Ore Reserve 19.3Mt@4.32%TGC Proved, 108.1Mt@4.36%TGC Probable.**

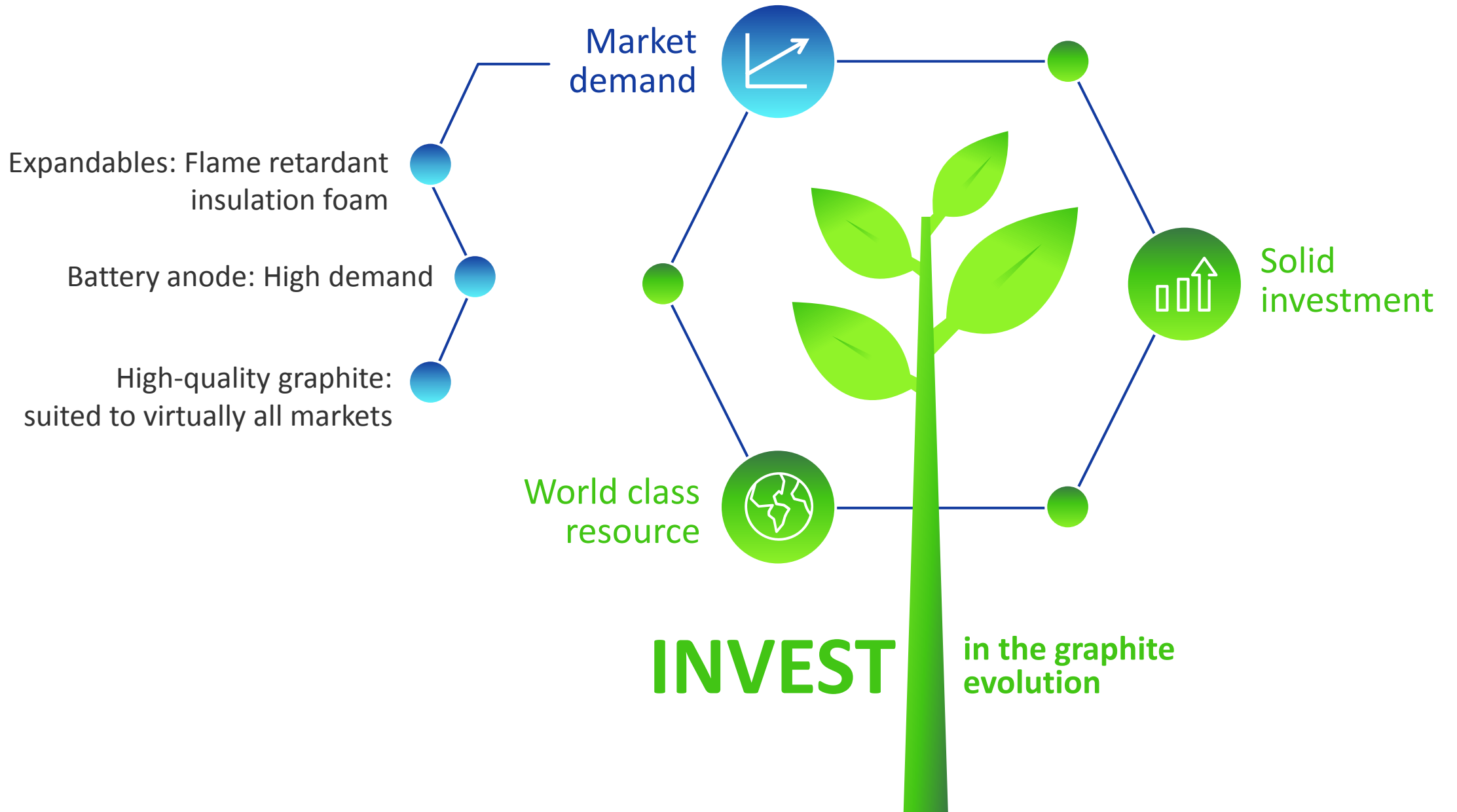
## The investment: **FINANCIALS**

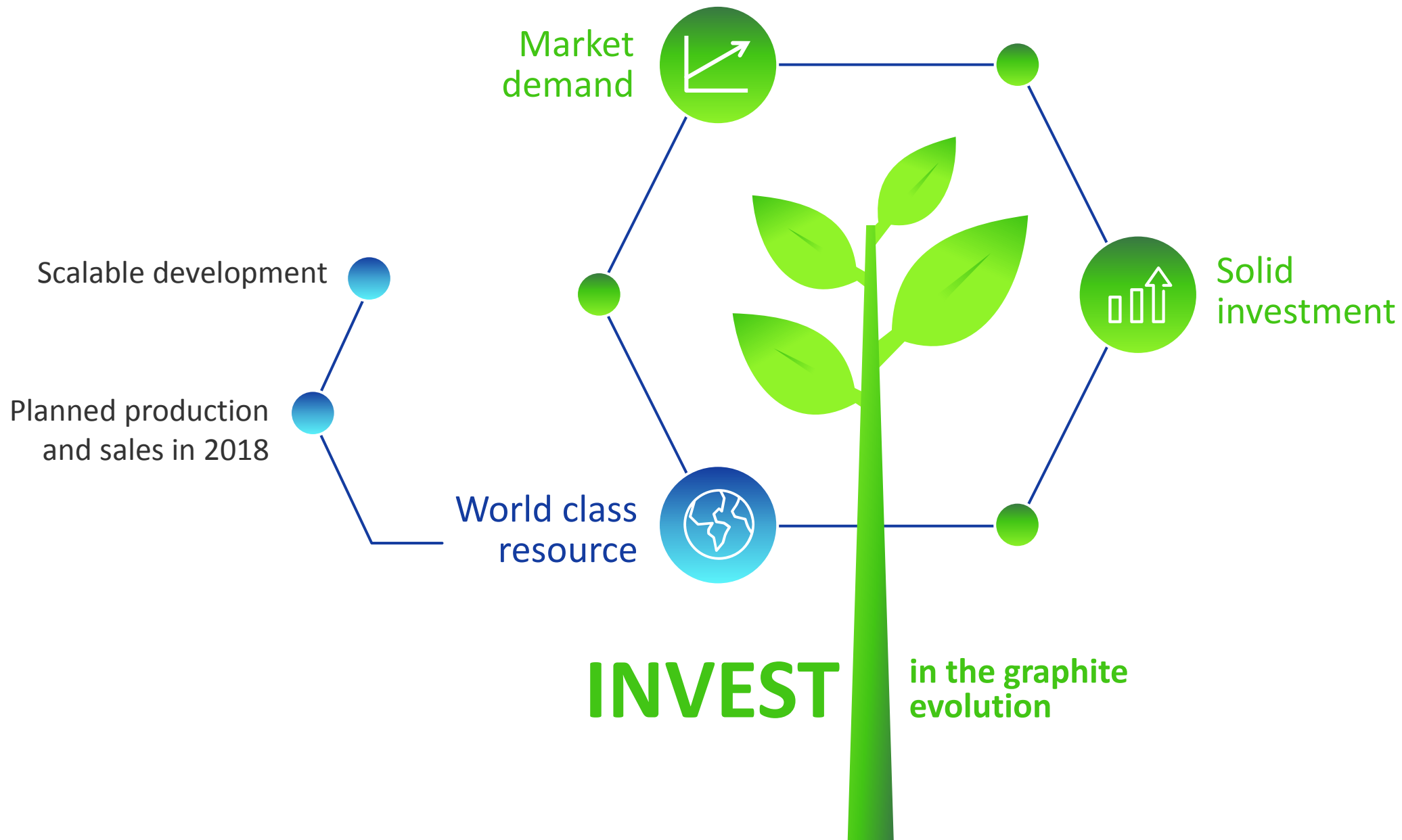


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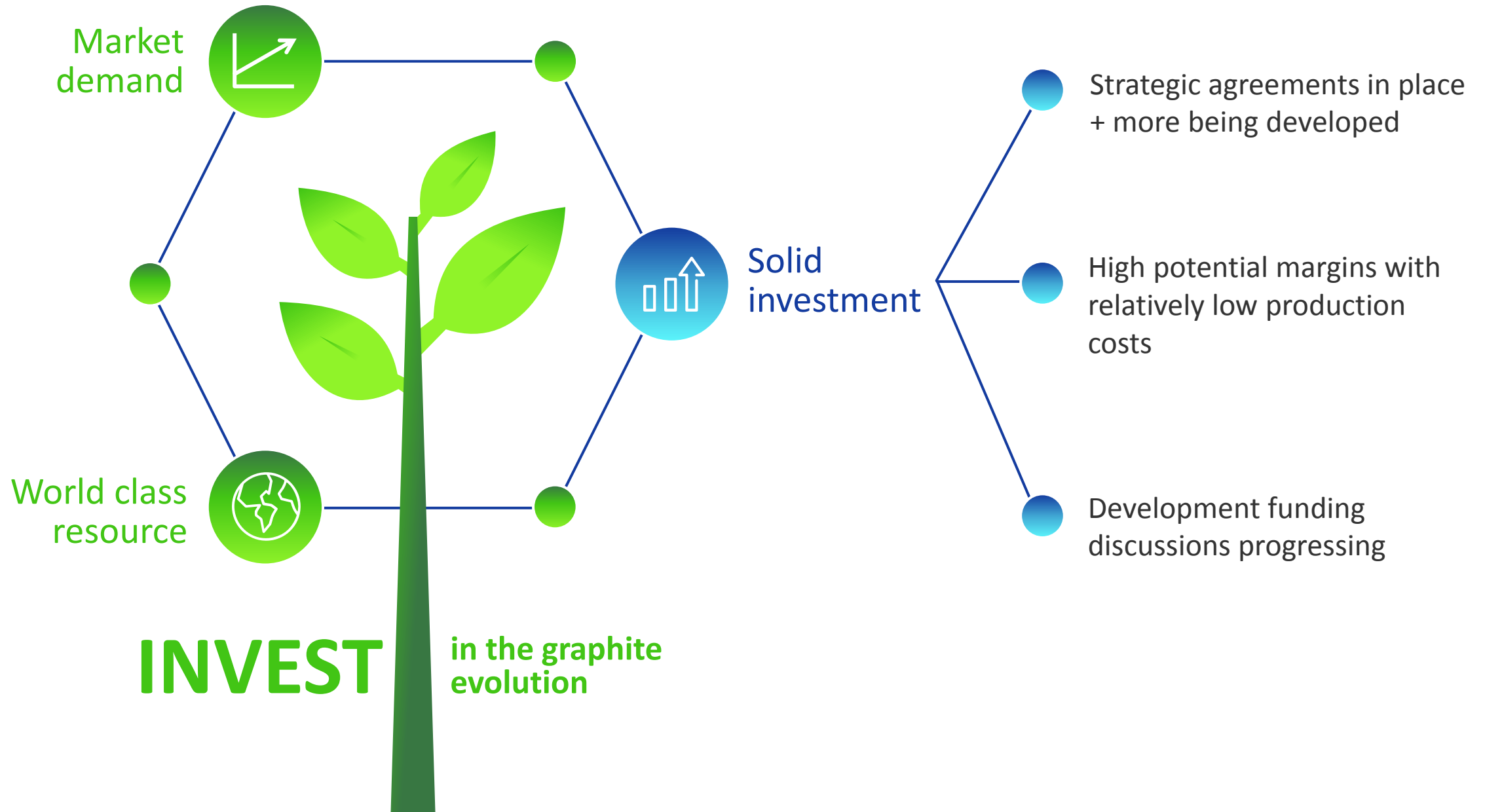


**INVEST** in the graphite evolution









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