

8 May 2018

## RIU RESOURCES CONFERENCE, SYDNEY

St George Mining Limited (ASX: **SGQ**) ('St George' or 'the Company') is participating at the RIU Resources Conference being held in Sydney on 8, 9 and 10 May 2018.

A copy of the Investor Presentation for this Conference is attached.

### For further information, please contact:

**John Prineas**

Executive Chairman

St George Mining Limited

+61 (0) 411 421 253

[John.prineas@stgm.com.au](mailto:John.prineas@stgm.com.au)

**Peter Klinger**

Media and Investor Relations

Cannings Purple

+61 (0) 411 251 540

[pklinger@canningspurple.com.au](mailto:pklinger@canningspurple.com.au)



**ST GEORGE**  
MINING LIMITED

# *Nickel-Copper Sulphide Discovery Continues to Grow*

8 May 2018

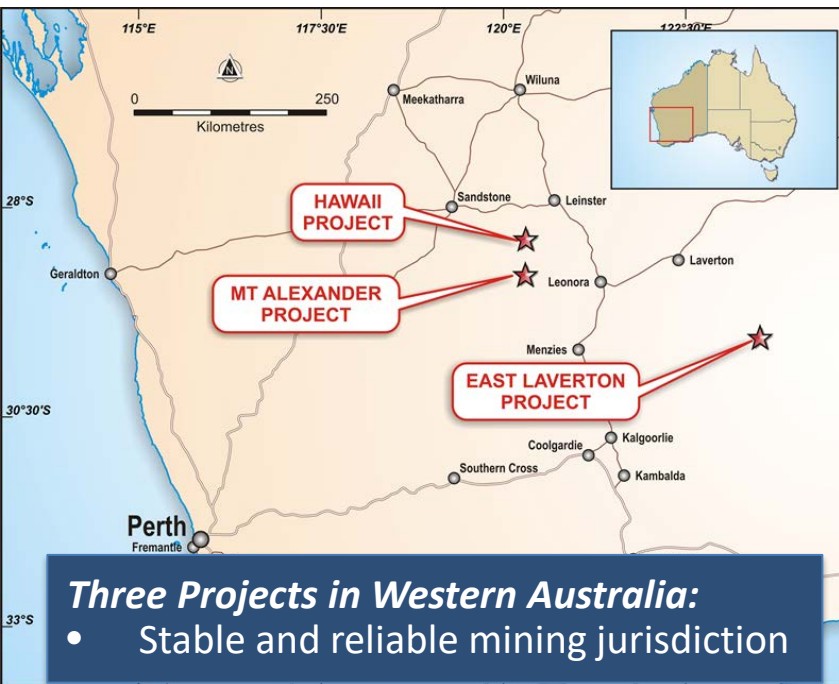
RIU Resources Conference, Sydney



St George Mining Limited | ACN 139 308 973

**ASX: SGQ**

# Successful Exploration - Overview



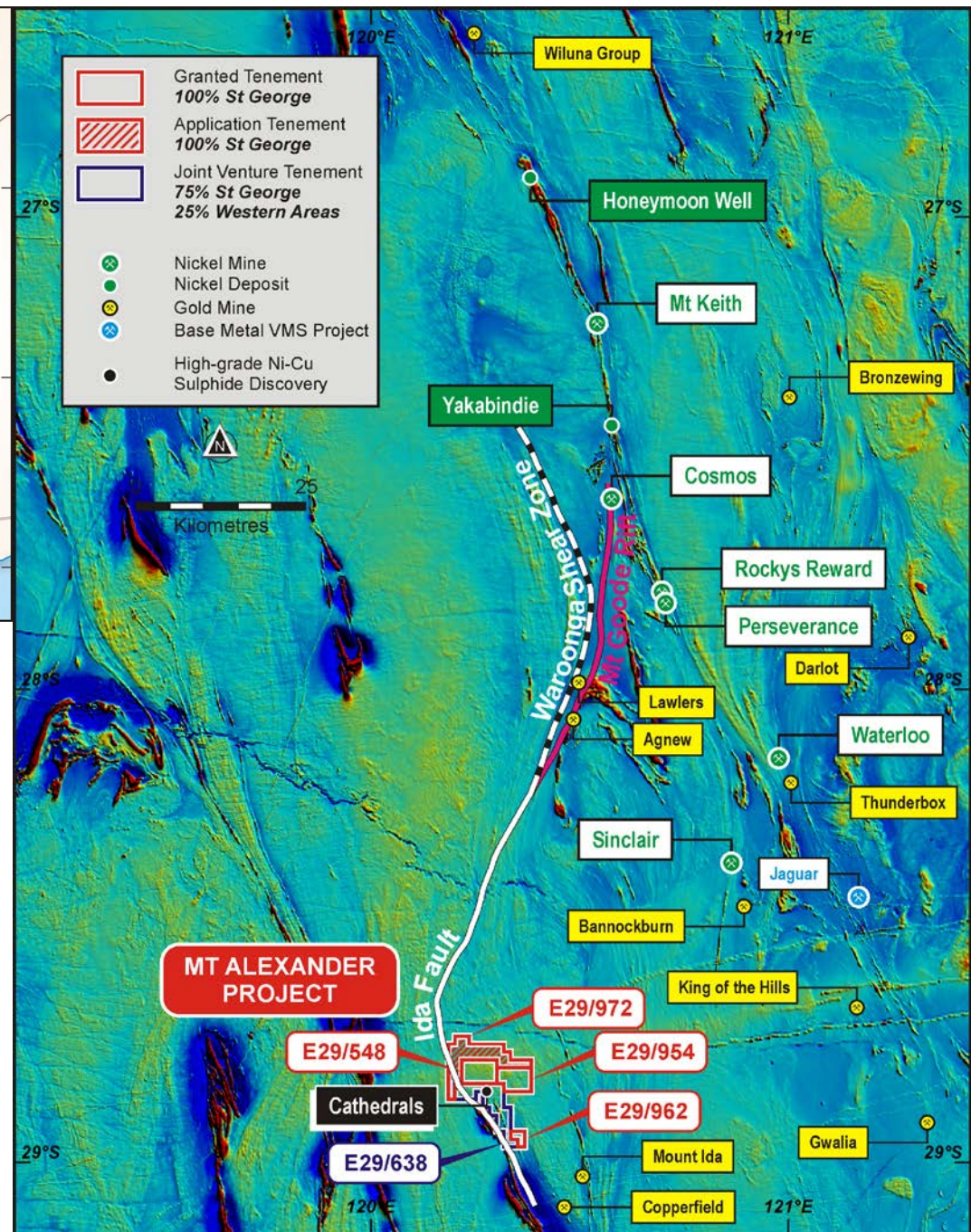
## MT ALEXANDER DISCOVERY

- Exceptional discovery in Western Australia
- High-grade nickel-copper sulphides commence 30m from surface

### Favourable Location:

- Located S-SW of world class nickel and gold mines of the Agnew-Wiluna Belt
- Close to infrastructure/processing plants

*The Cathedrals, Stricklands and Investigators Prospects are located on E29/638, which is held in joint venture by Western Areas Limited (25%) and St George (75%). St George is the Manager of the Project with Western Areas retaining a 25% non-contributing interest in the Project (in regard to E29/638 only) until there is a decision to mine. St George has 100% of all other tenements at Mt Alexander.*



# Mt Alexander Project

## Australia's Latest Nickel-Copper Sulphide Discovery

### Shallow Depths

Mineralisation 30m from surface with ongoing definition drilling; low cost drilling and mining

### Large Mineral System

Ni-Cu sulphides over a 4km strike of Cathedrals Belt

### High Grade and Polymetallic

Nickel sulphide plus copper, cobalt and PGEs  
Key battery/EV metals

### Excellent Metallurgy

18%Ni concentrate (plus Co and PGEs)  
32%Cu concentrate  
Simple flotation process

### Exploration Upside

200 km<sup>2</sup> of underexplored tenement package; ongoing exploration

*On right: Drill core from MAD56. The section of core is from an interval that returned assays of 3.15m @ 6.36%Ni, 2.92%Cu, 0.20%Co and 5.03g/t total PGEs from 61.81m*



# High Grade Mineralisation

## Thick Intersections

### MAD71 (Stricklands Prospect):

17.45m @ 3.01%Ni, 1.31%Cu, 0.13%Co and 1.68g/t total PGEs from 37.45m

*including the massive sulphide zones of:*

5.3m @ 4.39%Ni, 1.45%Cu, 0.21%Co and 2.09g/t total PGEs from 39.3m;

2.02m @ 5.05%Ni, 2.01%Cu, 0.21%Co and 3.31g/t total PGEs from 50.6m; and

0.5m @ 3.68%Ni, 3.9%Cu, 0.17%Co and 2.68g/t total PGEs from 54.4m.

### MAD56 (Cathedrals Prospect):

7.5m @ 3.90%Ni, 1.74%Cu, 0.12%Co and 3.32g/t total PGEs from 57.8m

*including*

3.15m @ 6.36%Ni, 2.92%Cu, 0.20%Co and 5.03g/t total PGEs from 61.81m

### MAD60 (Investigators Prospect) – photo on right:

5.3m @ 4.95%Ni, 2.75%Cu, 0.16%Co and 4.55g/t total PGEs from 157.9m

*including*

3m @ 6.40%Ni, 3.55%Cu, 0.21%Co and 5.25g/t total PGEs from 159.38m

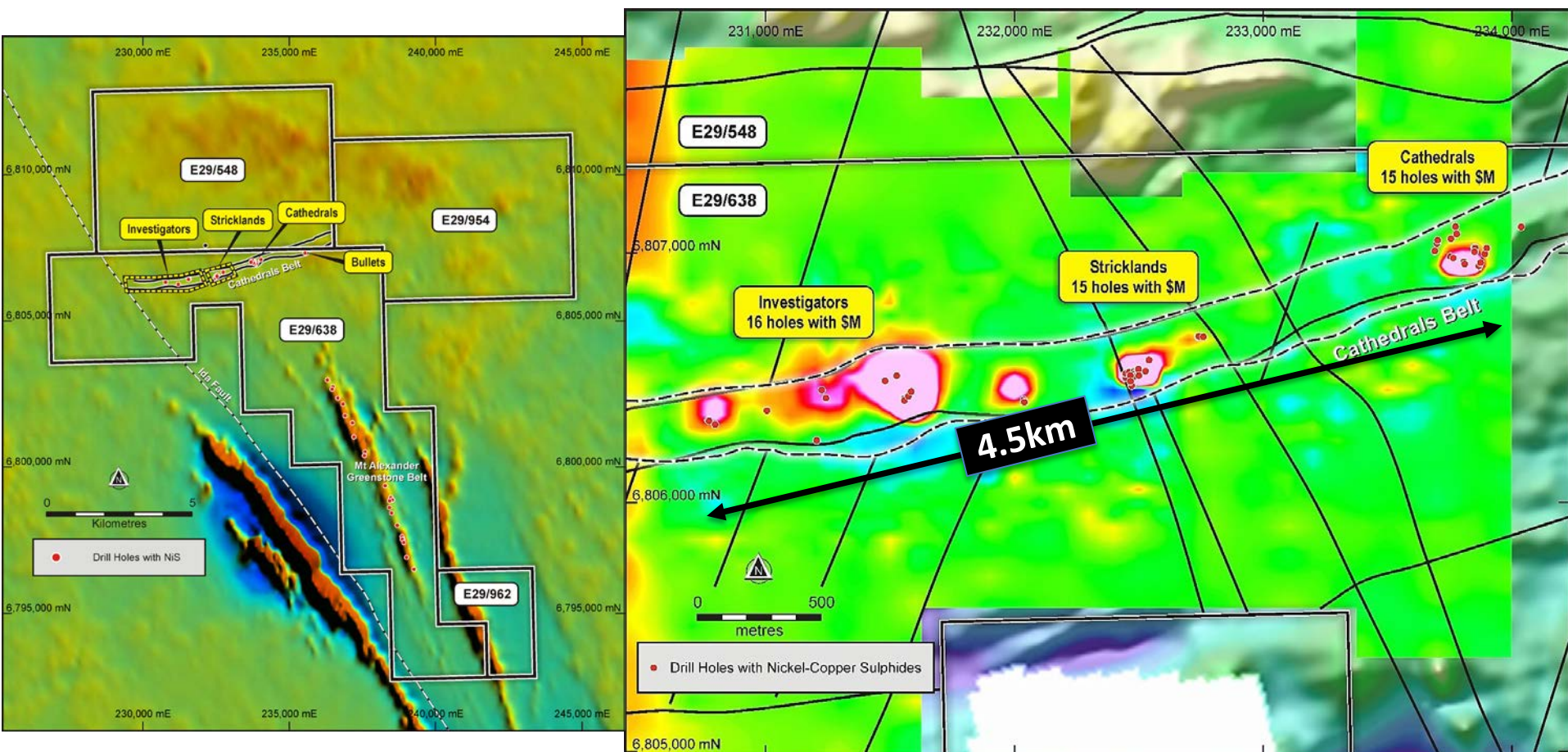
- *Drilling currently underway*
- *Additional massive nickel-copper sulphides intersected*
- *Assays are pending*



# Large Mineral System

## Strike of Mineralisation Extended

- *Drillout continues across the 4.5km Cathedrals Belt; unique east-northeast belt*
- *100% strike rate: Ni-Cu sulphides in every EM (electromagnetic) conductor drilled at the Cathedrals Belt*



# Metallurgical Testwork

## Positive Results from Initial Test

### **High Recoveries from Ore:**

- >99% recoveries of Ni and Cu to concentrates from preliminary testwork on massive sulphides
- No deleterious elements like MgO or arsenic  
(*on right: copper being floated in the metallurgical test completed by Strategic Metallurgy Pty Ltd*)
- Standard flotation process to concentrates

### **High Value Concentrate:**

- Nickel concentrate with **18%Ni** (*Nova is 13.5%Ni\**)
- Copper concentrate with **32%Cu** (*Nova is 29%Cu\**)
- Cobalt grade of **0.55%Co** in nickel concentrate
- **PGEs + Au of 13.5 g/t** in nickel concentrate
- **PGEs + Au of 3.2 g/t** in copper concentrate

***Clean and high grade concentrate will attract a premium price***

*\* Nova Optimisation Study announced by IGO in ASX Release dated 14 December 2015*





# Project Economics

## Opportunity for Low Costs/High Margins

Shallow Mineralisation	Existing Infrastructure	Clean Concentrate
✓ Low cost drilling/ low cost potential mining	✓ Nearby processing plants	✓ High grade Ni and Cu plus cobalt and PGEs
✓ Well defined zones of mineralisation	✓ Close to existing roads, power	✓ Excellent metallurgy



***Strong indications for favourable project economics which will be assessed by scoping/feasibility studies***

*Left: Tim King Pit at Spotted Quoll mine at Forresteria (owned 100% by Western Areas Limited) where high grade nickel sulphides were mined from 60m below surface*

# Nickel – It's Time

# Nickel Market

## Upswing in Cycle is Underway

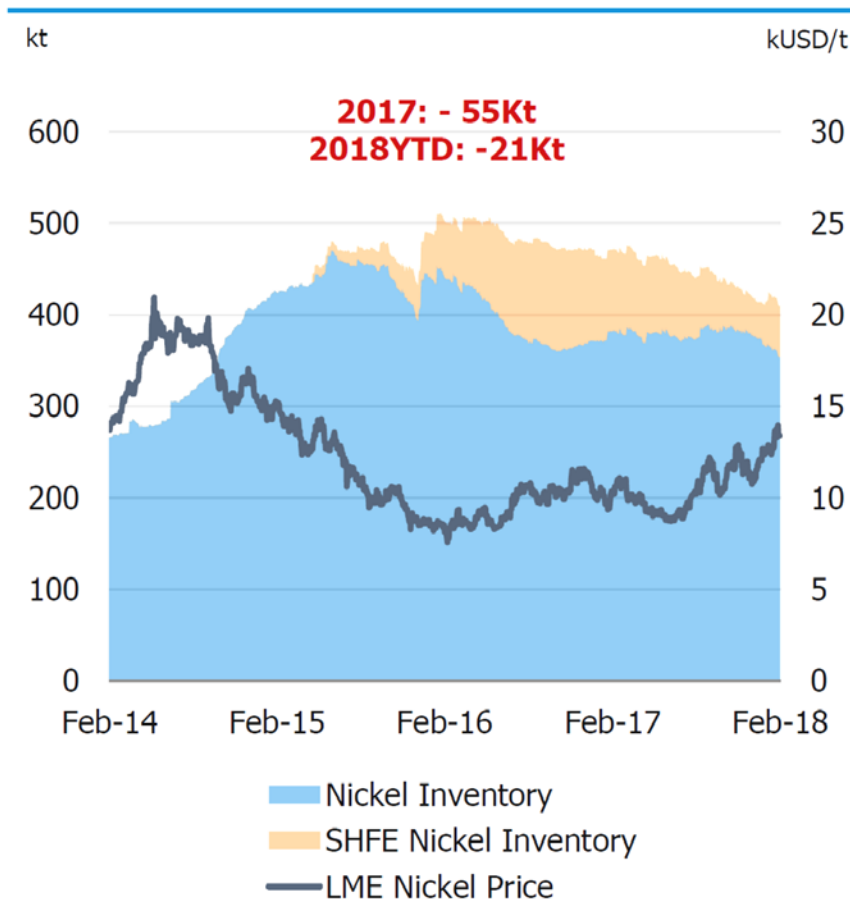
### Wood Mackenzie, Global Nickel Long-term Outlook, Dec 2017:

*“We continue to forecast a nickel outlook of deepening deficits, falling stocks and rising prices.”*

*“Prices will continue to rise as the market remains undersupplied and stocks are worked off.”*

*“We envisage nickel prices ultimately reaching an annual average peak of approx. US\$25,000/t (US\$11.30/lb; real US\$2017) by 2025 before settling at our long-term incentive price of US\$21,000/t (US\$9.50/lb, real).”*

### Total Exchange Inventories Continue to Fall



Source: Norilsk Nickel Presentation, 6 March 2018

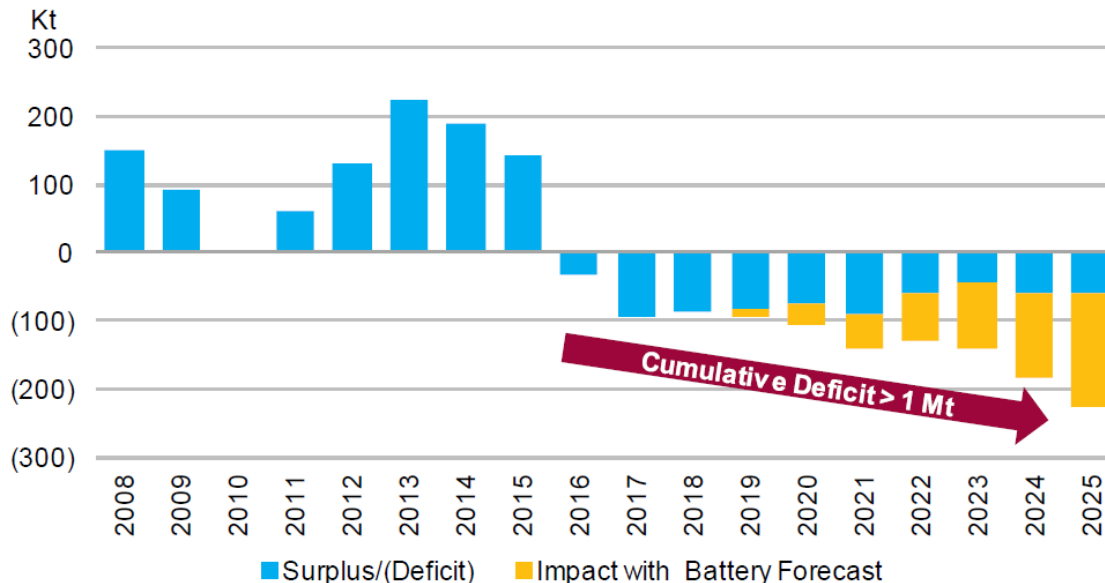
# EV Demand for Nickel

## Market Dynamics About to Change

### Demand Rises on EV Revolution:

- Nickel sulphide (Class 1 nickel) is required for EV batteries; nickel pig iron, etc (Class 2) is not suitable for batteries
- 1Mt deficit in 2025 = price pressure
- Price divergence likely with nickel sulphide attracting a premium price

### Global Nickel Supply/Demand Balance with Battery Forecast



Source: McKinsey Basic Materials Institute

### McKinsey & Co, The Future of Nickel: A Class Act, Nov 2017:

*“A shortfall in class 1 nickel productions seems increasingly likely.”*

*“Not only will nickel prices likely need to move towards incentive pricing but the future pricing mechanism is likely to reflect two distinct products; class 1 and class 2.”*

***Stop Press: BHP announces increase in nickel production to meet demand in China where EV's are expanding faster than expected. 90% of BHP production to be sold for batteries: Bloomberg report on 18 April 2018***

# Nickel Price to Outperform

## Upside Compared to Other Metals

Commodity	Units	Current Price	LT Forecast	'Upside' LT v. Current
Cobalt	US\$/t	90,500	43,200	(52%)
Copper	US\$/t	6,830	7,280	6.5%
Nickel	US\$/t	13,950	22,000	<b>57%</b>
Zinc	US\$/t	2,990	2,830	(5.3%)
Lead	US\$/t	2,310	2,250	(2.6%)

*Nickel  
offers  
significant  
upside*

*Source: Current prices as at 3 May 2018 by Kitco; LT Forecasts by Wood Mackenzie  
(nickel forecast revised upwards in 2018 to US\$22,000/t)*

### Nickel Price Targets:

- Wood Mackenzie long-term forecast – **US\$22,000/t**
- High in previous cycle (March 2007) – **US\$54,000/t**

# St George – Investment Summary

# St George - Market Profile

## Strong shareholder base and market support

**Listed shares (SGQ):** 278,780,500  
**Listed options (SGQOB):** 24,579,714  
 SGQOB - exercise price of 20c, expiring on 30 Sept 2020.

**Share Ownership**  
 Top 10: 19%      Top 20: 27%  
 Directors: 6%

**Market cap:** **A\$41m** (@15c per share)  
**Cash:** **A\$4.2m** (at 31 March 2018)

**Largest Shareholders**  
 Impulzive: 4.5%      City Natural Res's: 3%  
 John Prineas: 4.4%      Oceanic Capital: 3%

### Broad Shareholder Base

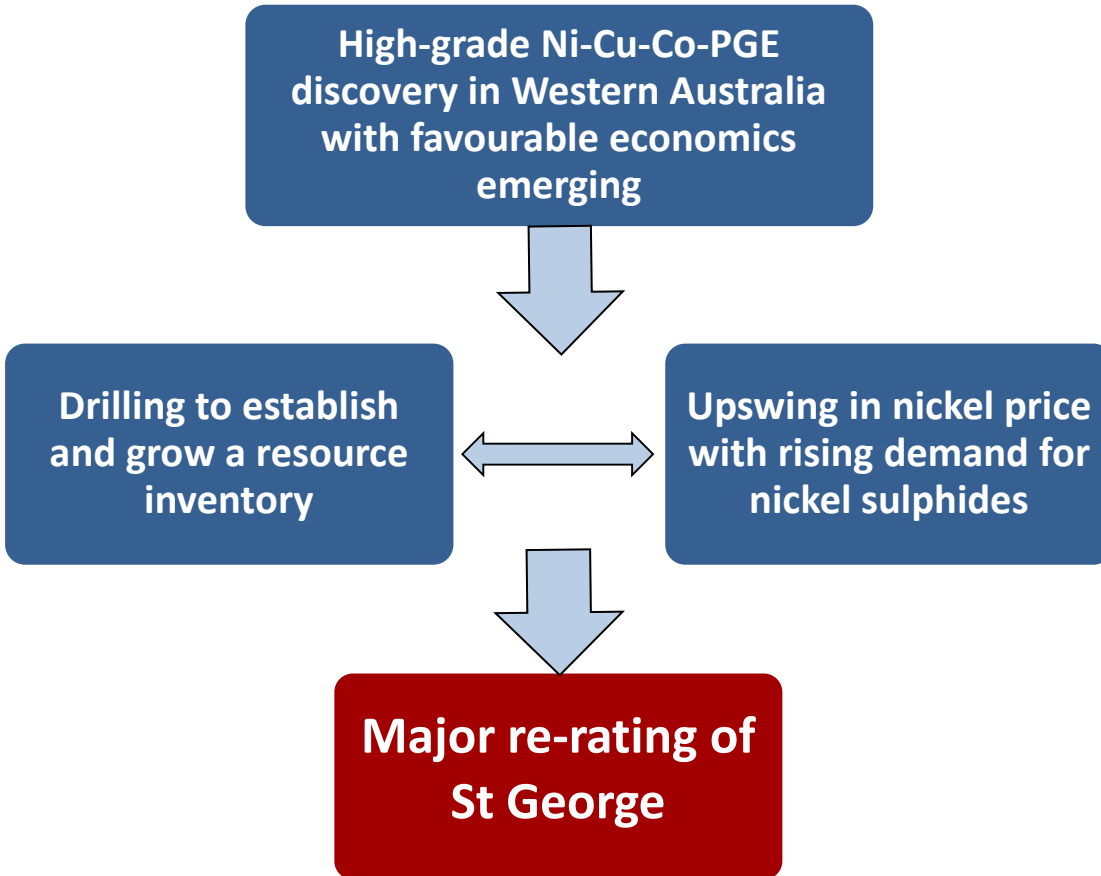
Over 3,500 shareholders including Australian and overseas institutions, high net worth and retail investors



- **Drilling is ongoing**
- **Assays pending**
- **Strong newsflow continues**

# St George – Growth Nickel Stock

## Positioned for Re-rating



ASX: SGQ [www.stgeorgemining.com.au](http://www.stgeorgemining.com.au)



*On right: Diamond drilling underway at Mt Alexander*



## DISCLAIMER:

Certain statements contained in this presentation, including information as to the future financial or operating performance of St George Mining Limited (ASX:SGQ) and its projects, are forward looking statements:

- may include, among other things, statements regarding targets, estimates and assumptions in respect of mineral reserves and mineral resources and anticipated grades and recovery rates, production and prices, recovery costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- are necessarily based upon a number of estimates and assumptions that, while considered reasonable by St George Mining, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward looking statements.

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All forward looking statements made in this presentation are qualified by the foregoing cautionary statements. Investors are cautioned that forward looking statements are not guarantees of future performance and investors are cautioned not to put undue reliance on forward looking statements due to the inherent uncertainty therein.

## COMPETENT PERSON STATEMENT:

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Tim Hronsky, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Tim Hronsky is employed by Essential Risk Solutions Ltd which has been retained by St George Mining Limited to provide technical advice on mineral projects.

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves regarding the Hawaii and Mt Alexander Projects is based on information compiled by Mr Matthew McCarthy, a Competent Person who is a Member of The Australasian Institute of Geoscientists. Mr McCarthy is employed by St George Mining Limited.

This ASX announcement contains information extracted from the following reports which are available on the Company’s website at [www.stgm.com.au](http://www.stgm.com.au):

- 
- 5 July 2017 *High Grade Nickel-Copper-Cobalt-PGEs at Investigators*
- 19 July 2017 *High Grade Nickel-Copper-Cobalt-PGEs at Investigators*
- 12 September 2017 *Mt Alexander – Exploration Update*
- 26 October 2017 *Drilling Commences at Mt Alexander*
- 13 November 2017 *Further High Grade Mineralisation at Mt Alexander*
- 20 November 2017 *Outstanding Intersection of Nickel-Copper Sulphides*
- 30 November 2017 *Drilling at Mt Alexander – Update*
- 7 December 2017 *Further Nickel-Copper Sulphides Intersected at Mt Alexander*
- 15 December 2017 *Assays Confirm Best Ever Intersection at Mt Alexander*
- 21 December 2017 *Drilling Continues to Extend Mineralisation at Mt Alexander*
- 9 January 2018 *Assays Confirm Further High Grades at Mt Alexander*
- 26 February 2018 *St George to Resume Drilling at Mt Alexander*
- 19 March 2018 *Drilling of Nickel-Copper Sulphide Targets at Mt Alexander Resumes*
- 4 April 2018 *Nickel-Copper Sulphide Drilling at Mt Alexander – Update*
- 11 April 2018 *Further Nickel-Copper Sulphides Intersected at Mt Alexander*
- 19 April 2018 *Nickel-Copper Sulphide Drilling at Mt Alexander – Update*

The Company confirms that it is not aware of any new information or data that materially affects the exploration results included in any original market announcements referred to in this report and that no material change in the results has occurred. 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.