

**11 April 2019**

ASX Limited  
Companies Announcement Office  
Electronic Lodgement System

**Additional Information Statement – ASX Announcement “Resources & Energy Investment Conference Presentation” Lodged 9 April 2019**

Renascor Resources Limited (**Company**) hereby provides an Additional Information Statement pertaining to the ASX announcement lodged 9 April 2019 “Resources & Energy Investment Conference Presentation”.

The Company provides additional disclosure to ensure compliance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (“JORC code”) as follows:

- for slides 2,6,8,9,10,11,12,13,15,20 to add reference to the previous Renascor ASX announcements containing details and information repeated in the current announcement of 9 April 2019, and confirming that Renascor 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 relevant market announcement continue to apply and have not materially changed
- for slide 6 to add table reporting details of Resource category and Reserve category
- for slide 18 to add reference to the source of data, namely ASX reports and publicly available price information

The company is not aware of any material misstatement in the information previously released to the market on 9 April 2019.

Yours faithfully



**Pierre van der Merwe**  
Company Secretary

# A Globally Significant *Australian* Graphite Project

Rapidly Progressing a  
Globally Significant  
Graphite Project



**SOUTH  
AUSTRALIAN**  
RESOURCES & ENERGY INVESTMENT  
CONFERENCE

Presented to the South Australian  
Resources & Energy Investment Conference  
*Adelaide*  
*9 April 2019*  
*David Christensen, Managing Director*



# Siviour Project Summary

## World-Class Project Credentials

One of the world's largest graphite resources

Flat-lying orientation underpins lowest quartile cost of production -- OPEX of US\$335/t\*

Proximity to established infrastructure permits low start-up capital cost -- US\$29 million\*\*

## High Quality Graphite Product

Favourable flake size distribution and easily upgradable to high purity for lithium-ion battery and other high growth markets

## The Best Location

Located in Australia, one of the world's most stable jurisdictions

7km from highway – simple transport to established port



\* OPEX at full production. See Renascor ASX announcement dated 14 March 2018.

\*\* CAPEX for start-up small-scale operation. See Renascor ASX announcement dated 14 March 2018.

Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements noted above and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.



# Why graphite in Australia?

## Renascor offers secure supply from Australia

### Low sovereign risk jurisdiction

Secure, established regulatory framework increasingly important in graphite supply chain

### Established infrastructure

Lower capital and operating costs and increased certainty of project delivery

### Supportive government

Established, mine-friendly jurisdiction that has encouraged new mine developments



# Mineral Lease Granted

## Consistent with Mineral Lease Application (MLA)

Terms and conditions consistent with MLA lodged in August 2018

## Extensive environmental review

Three-year period of preparation and review of all potential environmental, social, economic and technical aspects of the Siviour Graphite Project

## Development on schedule

PEPR to be submitted later this year



# Corporate Overview

## Capital Structure

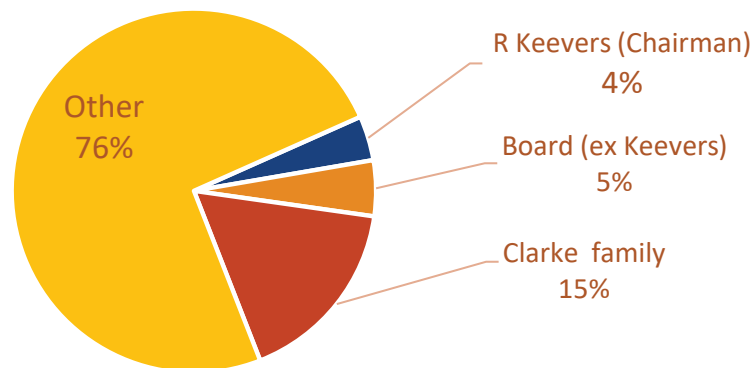
Shares on issue	1,153m
Performance rights	18m
Listed options	114.76m
Unlisted options	15m
Share price (5 Apr 19)	\$0.018
Market Cap (at \$0.018/sh)*	\$20.8m
<b>Cash*</b>	<b>\$5.2m</b>
<b>Debt*</b>	<b>Nil</b>
EV	\$15.6m

\* As of 31 December 2018

## Share Chart



## Shareholder Breakdown



## Board

Non-Executive Chairman	Richard Keevers
Managing Director	David Christensen
Non Executive Director	Geoffrey McConachy
Non Executive Director	Stephen Bizzell



# Siviour Graphite Project

One of world's largest high-grade flake graphite deposits

Resource category	Mineralisation (Mt)	TGC	Contained graphite (Mt)
Indicated	51.8	8.1%	4.2
Inferred	21.8	7.6%	2.2
Total	80.6	7.9%	6.4

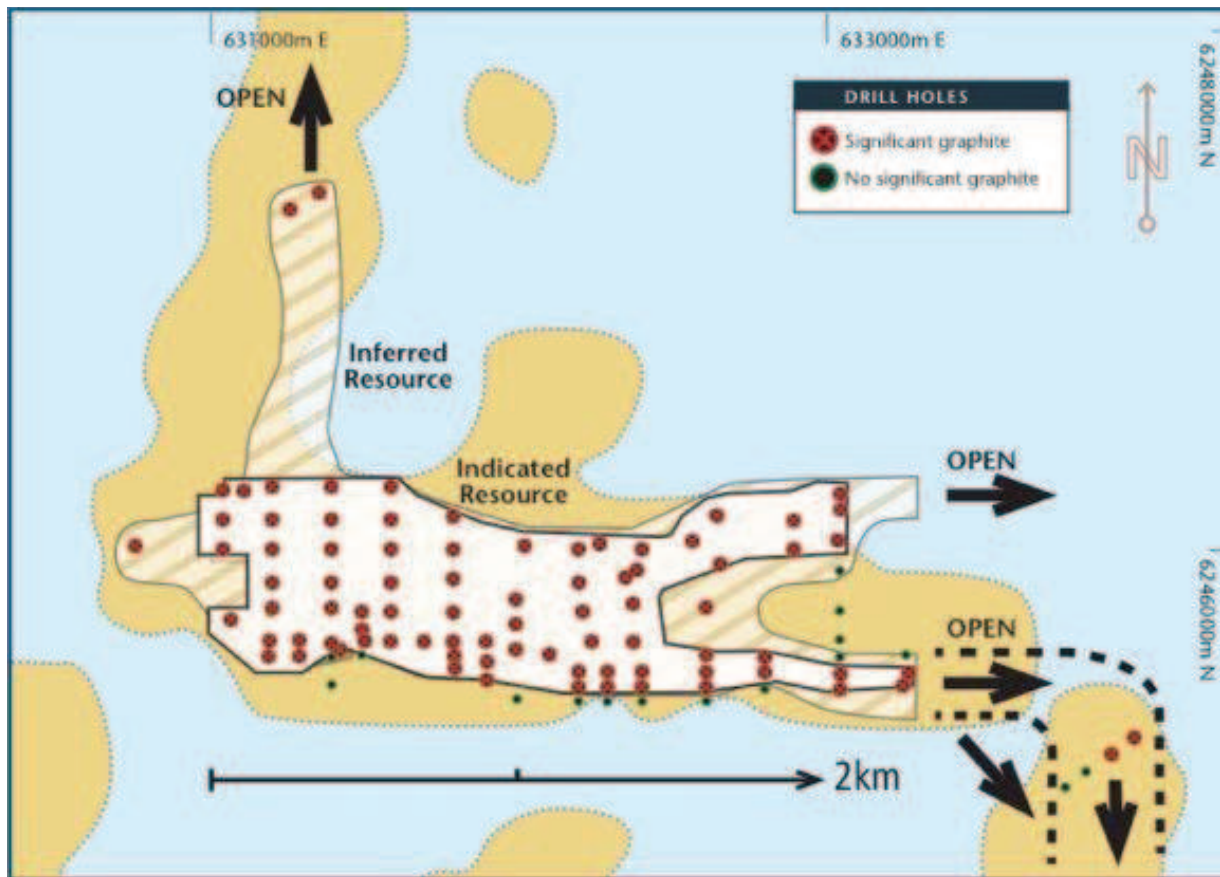
Reserve category	Ore (Mt)	TGC	Contained graphite (Mt)
Proven	--	--	--
Probable	45.2	7.9%	3.6
Total	45.2	7.9%	3.6

See Renascor ASX announcements dated 17 March 2017 (for Indicated and Inferred Resource) and 14 March 2018 (for Proven and Probable Reserve). Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements noted above and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.



## Siviour Resource

Siviour is one massive ore body, offering a consistent supply of high-quality graphite





## Development Summary

### Siviour can be developed in stages

Access to established infrastructure in coastal South Australia permits low capital, fast-start potential

Staged approach has low start-up CAPEX and allows Renascor to develop customer base

Project financing potential will inform DFS development plan



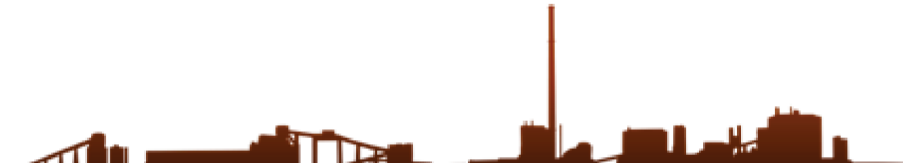
#### STAGE 1 – 2020

22,800 TONNES CONCENTRATE

CAPEX : US\$29M

OPEX:US \$577 PER TONNE

INITIAL OFF-TAKES AND BULK SAMPLES



#### STAGE 2 - 2023

156,000 TONNES CONCENTRATE

CAPEX: US\$91M

OPEX: US\$335 PER TONNE

FULL DEVELOPMENT

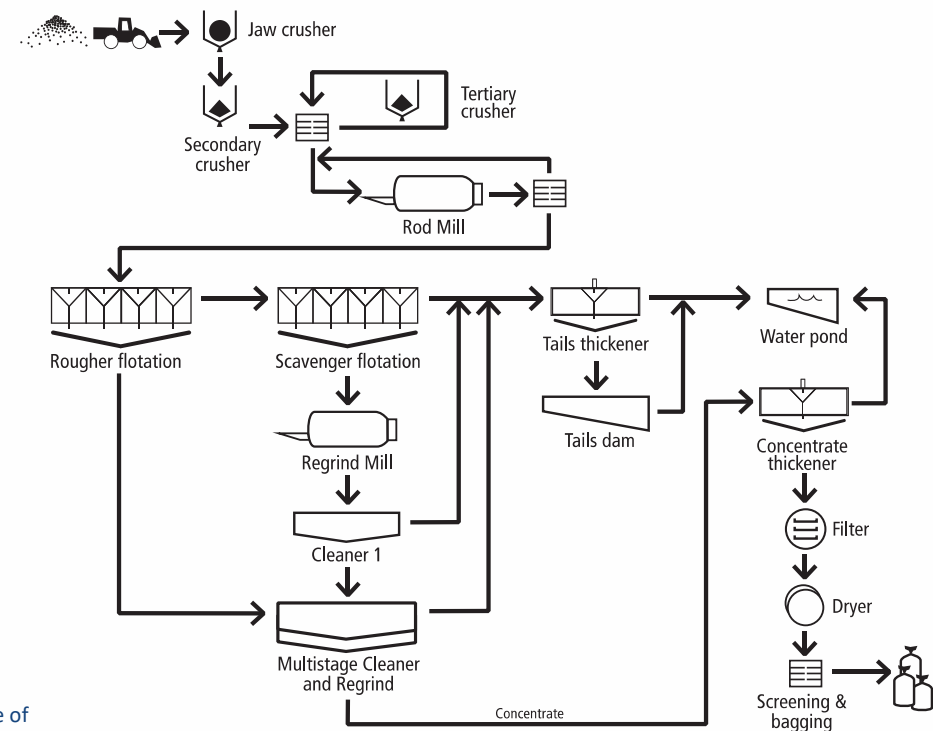
See Renascor ASX announcement dated 14 March 2018. Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements noted above and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

# Metallurgy

Metallurgical testing has established ability to produce high quality graphite products at low OPEX using conventional (non-chemical, non-thermal) flowsheet

Flake Category	Particle Size		Percentage	Annual Production
	Microns (µm)	Mesh		
Jumbo	>300	+48	6%	8,520t
Large	180 to 300	-48 to +80	20%	28,400t
Medium	150 to 180	-80 to +100	10%	14,200t
Small	75 to 150	-100 to +200	43%	61,060t
Fine	<75	-200	21%	29,820t

See Renascor ASX announcement dated 31 March 2017 (page 1). Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement noted above and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.



## Spherical Graphite

Independent tests confirm Siviour concentrates can be processed into up to 99.99% spherical graphite suitable for use in Lithium-ion battery anodes

Parameter	Test 1	Test 2
Fixed Carbon	99.99%	99.98%
Ash content	0.01%	0.02%
D10 Size Fraction (-10% finer than this size)	9.8 µm	11.3 µm
D50 Size Fraction (-50% finer than this size)	16.3 µm	18.4 µm
D90 Size Fraction (-90% finer than this size)	27.5 µm	29.7 µm
Ratio D10 to D90 sizes	2.8	2.8
Tap Density (measure of density of spherical graphite powder settled in test cylinder)	0.93 g/cm <sup>3</sup>	0.95 g/cm <sup>3</sup>

See Renascor ASX announcement dated 15 February 2018 (page 3) Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement noted above and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

Further test work to optimise product offering (size and purity) on-going

## Expandable Graphite

Independent tests confirm Siviour concentrates are suitable for expandable graphite in excess of the typical industry expansion coefficient requirements

Expansion Coefficient for Siviour Graphite Concentrations			
Parameter	Siviour Samples		Industry Standard
	+50 mesh ( >300 $\mu\text{m}$ )	+80 mesh ( >180 $\mu\text{m}$ )	
Expansion Coefficient (ml/g)	320	275	230

Both samples were tested for expansion using sulfuric acid based interaction agents and by heating to 1,000°C.

Both samples of Siviour graphite concentrates expanded at rates in excess of the typical industry standard for high-quality expandable graphite created from Chinese flake graphite concentrates

See Renascor ASX announcement dated 21 February 2018 (page 2) Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement noted above and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

Expandable graphite is created by heating graphite to a temperature that causes exfoliation (expansion) of individual flakes of graphite

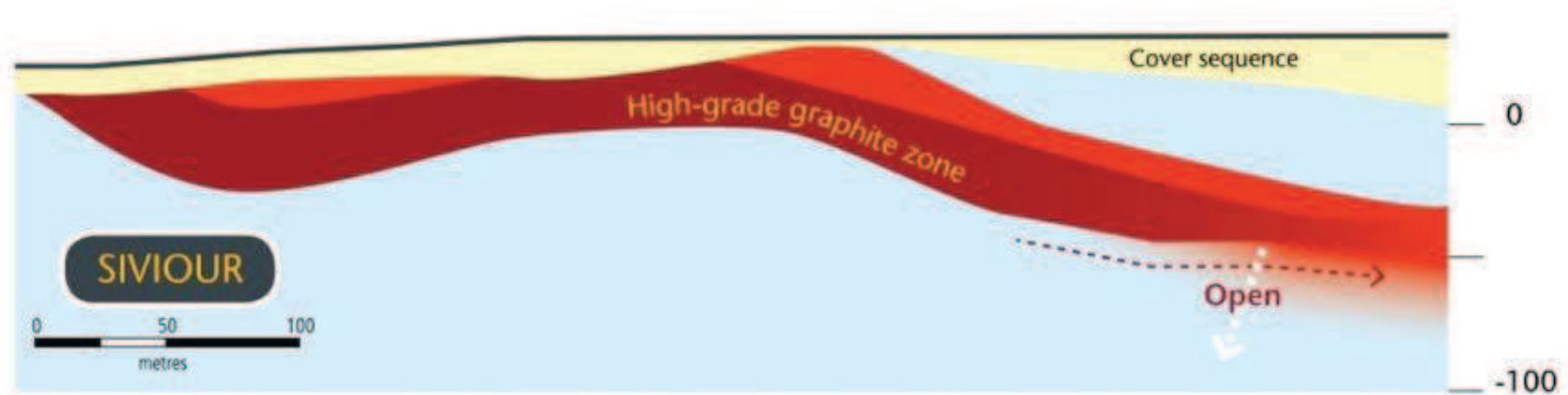
Expandable graphite is increasingly sought-after for several applications including flame retardant building materials and textiles

Graphite concentrates that expand at high rates selling at a significant premium to typical graphite concentrates



## Near-surface, Flat-lying Ore Body

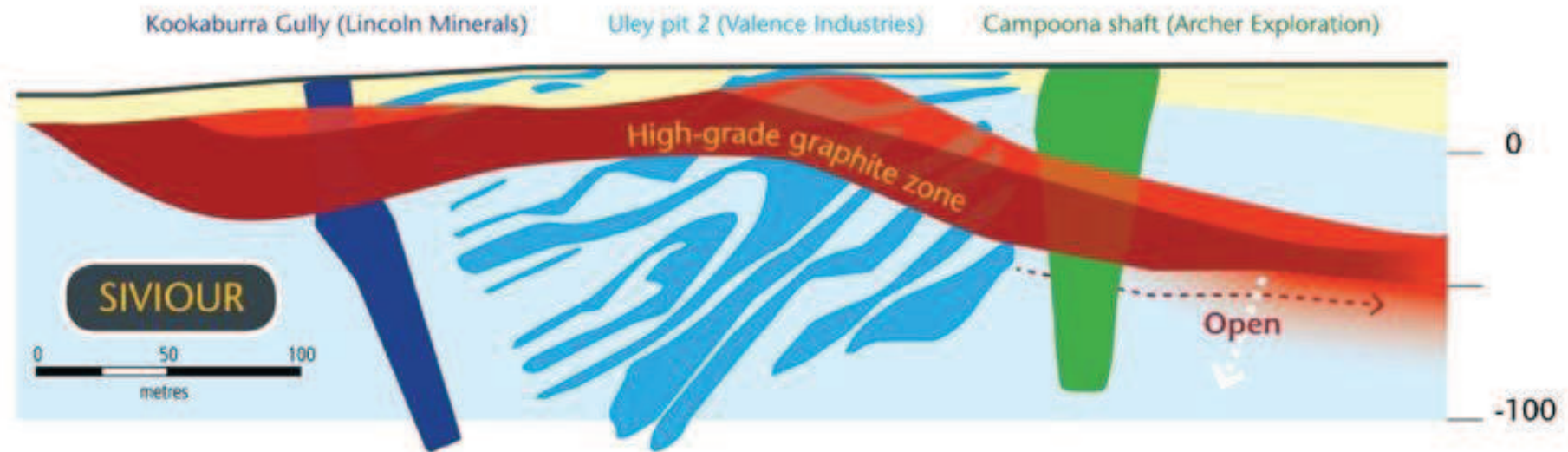
Siviour's low OPEX\* is due in large part to shallow, horizontal orientation of a single massive ore body that offers comparatively low mining costs



\* OPEX at full production. See Renascor ASX announcement dated 14 March 2018. Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements noted above and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

## Near-surface, Flat-lying Ore Body

Siviour's low OPEX\* is due in large part to shallow, horizontal orientation of a single massive ore body that offers comparatively low mining costs



\* OPEX at full production. See Renascor ASX announcement dated 14 March 2018. Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements noted above and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

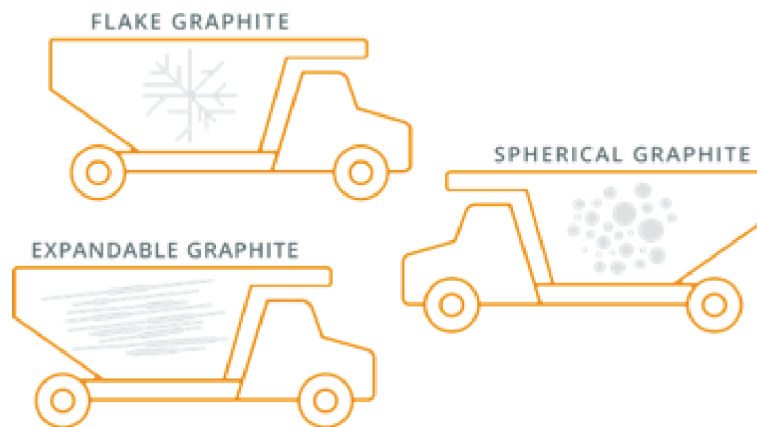
## Mine to Market

Simple, safe and reliable transport  
from our Australian graphite resource

Road transport from Arno Bay  
to Port Adelaide

Initial mining planned for Q4, 2019, with  
production in Q1 2020

Possibility to further process in-country and  
value add to spherical grade and/or  
expandable graphite



*Port to Asia in 20 days*

## Advanced manufacturing

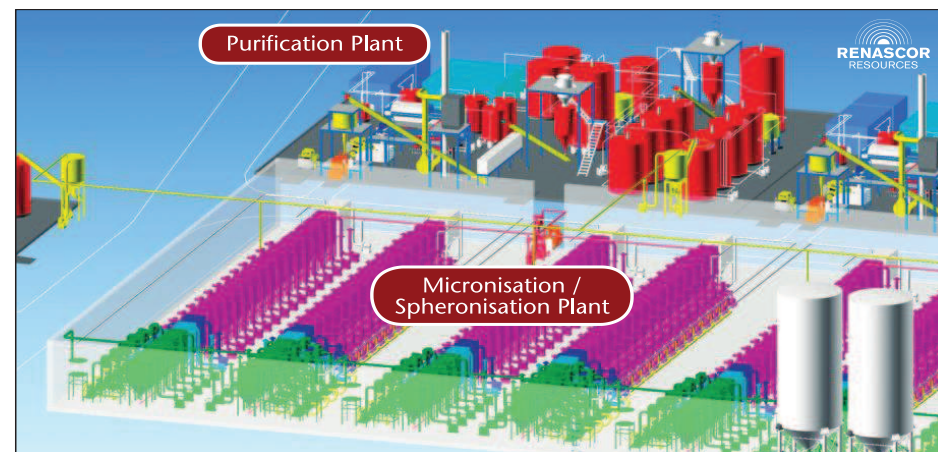
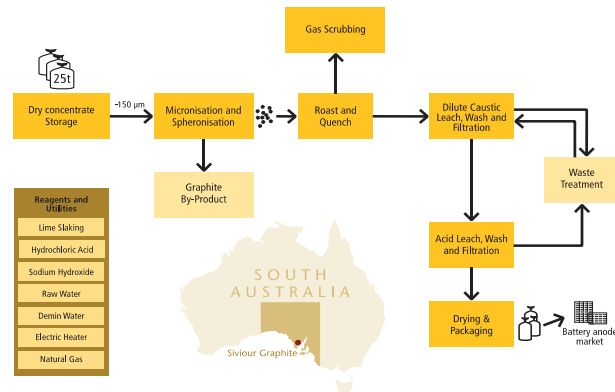
Spherical graphite PFS shows potential for valued-added production of spherical graphite

Direct exposure to lithium-ion battery supply chain

Leverages off of key comparative advantages of Siviour mine: low-cost and low-sovereign risk

Annual production of spherical graphite	29,085t	
Life of mine/project	30 years	
Capital cost of spherical operation	AU\$89.9m	US\$67.4m
Total capital (concentrate and spherical)	AU\$221.5m	US\$166.0m
NPV <sub>10</sub> (after tax) of spherical operation	AU\$487m	US\$365m
NPV <sub>10</sub> (after tax) of integrated operation	AU\$889m	US\$667m
IRR (after tax) of integrated operation	53%	
Average spherical graphite cash operating cost (net of by-product credit)	AU\$1,883/t	US\$1,412/t
Projected spherical graphite sales price	AU\$4,800/t	US\$3,600/t

See Renascor ASX announcement dated 21 February 2019 (pages 2 -3) Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement noted above and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.





## Strategic Engineering Partnership with Royal IHC

Landmark agreement with international ECP contractor, Royal IHC to accelerate development of Siviour

\$1 million committed by Royal IHC to undertake early project works, including metallurgical test work and detailed engineering and design work

Royal IHC will collaborate with Australian engineering firm, Wave International to assist in completion of the Siviour DFS

Royal IHC to assist Renascor with obtaining project finance to fund development

Intention for Royal IHC to become IPC contractor for development of Siviour

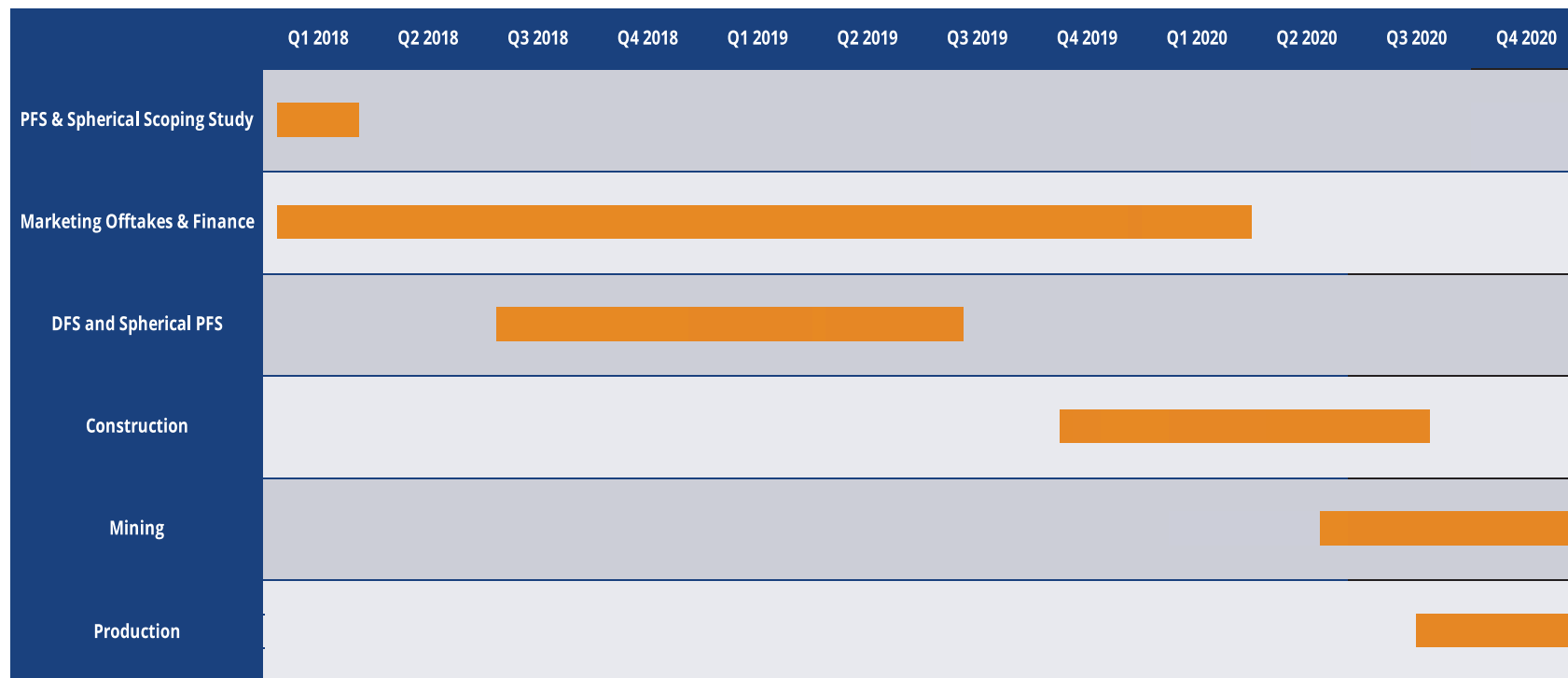


## Sivour Timelines

Definitive Feasibility Study (DFS) expected Q2 2019

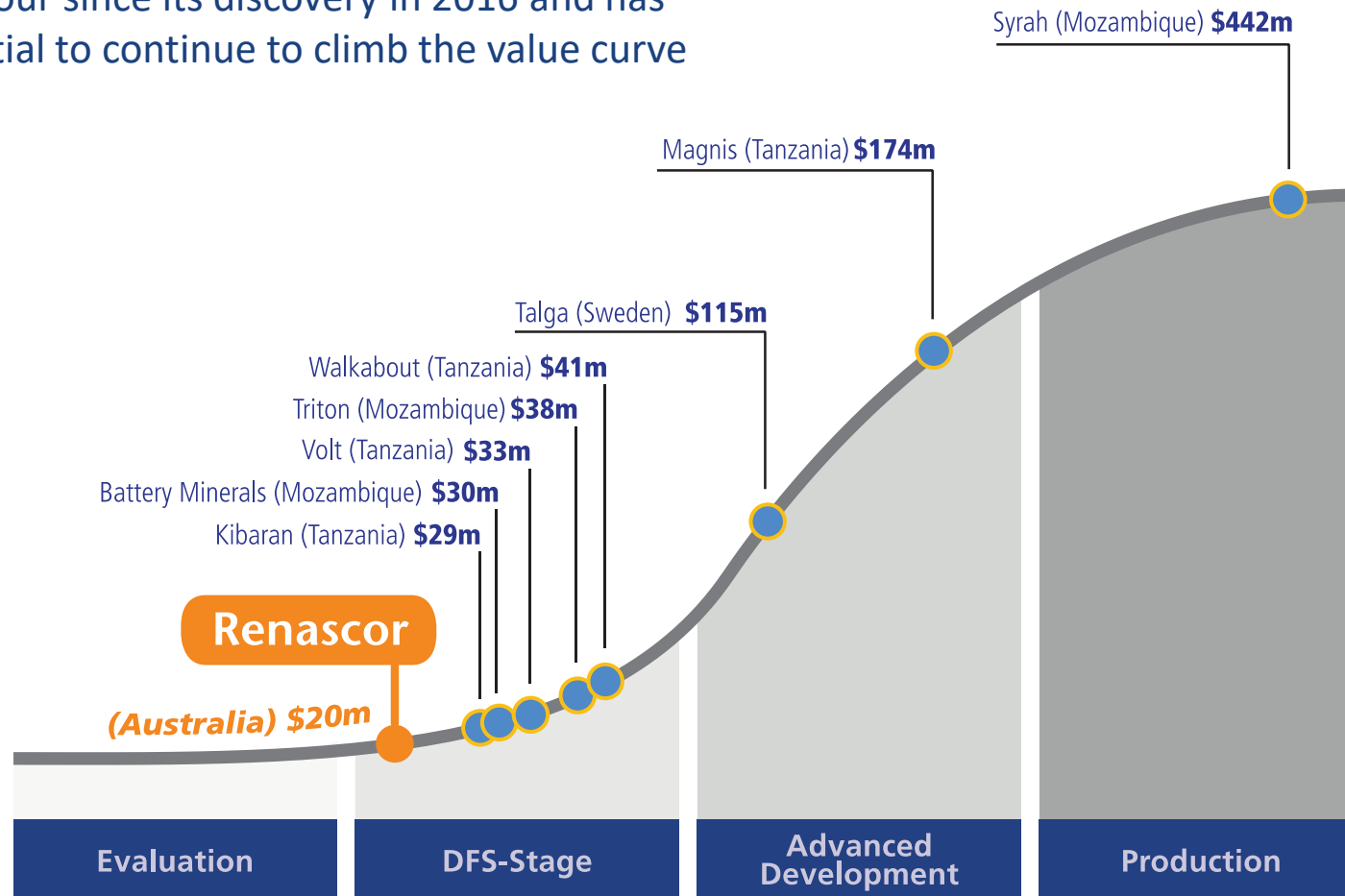
Mine Construction (pending financing) planned as early as Q4 2019

First production as early as 2020



## Re-rating Potential

Renascor has quickly advanced the development of Siviour since its discovery in 2016 and has potential to continue to climb the value curve



Market capitalisations as of 6 March 2019 based on ASX reports and publicly available price information

## Near-term Value Drivers

**Strong upcoming news flow expected to include:**

**Offtake.** With completion of PFS and dispatch of customer samples, potential for additional offtake developments in 2019.

**Project improvements.** Upcoming metallurgical and technological programs and reserve-definition drilling offer potential to improve PFS project economics.

**Regulatory.** Mineral Lease granted. PEPR to be submitted later this year.

**Spherical graphite.** Completion of Spherical PFS offers potential for improved project economics and more direct involvement in lithium-ion battery supply chain.

**DFS.** Siviour DFS expected to be completed this quarter,

**Project finance.** As Renascor nears completion of DFS, focus will turn to project finance.



## Summary

### **Siviour is a new discovery of a world-class graphite deposit**

One massive ore body offers consistent high-quality supply

Globally competitive: Low OPEX\* and CAPEX\*\*

Fully-funded to Decision to Mine

Mining-friendly Australia

\* OPEX at full production. See Renascor ASX announcement dated 14 March 2018.

\*\* CAPEX for start-up small-scale operation. See Renascor ASX announcement dated 14 March 2018.

Renascor confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements noted above and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.



### Forward Looking Statements

This Presentation may include statements that could be deemed "forward-looking" statements. Although Renascor Resources Limited (the "Company") believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those expected in the forward-looking statements or may not take place at all.

### No Offer to Sell or Invitation to Buy

This Presentation is not, and should not be considered to, constitute any offer to sell, or solicitation of an offer to buy, any securities in the Company, and no part of this Presentation forms the basis of any contract or commitment whatsoever with any person. The Company does not accept any liability to any person in relation to the distribution or possession of this Presentation from or in any jurisdiction.

### Disclaimer

Whilst care has been exercised in preparing and presenting this Presentation, to the maximum extent permitted by law, the Company and its representatives make no representation, warranty or undertaking, express or implied, as to the adequacy, accuracy, completeness or reasonableness of this Presentation; accept no responsibility or liability as to the adequacy, accuracy, completeness or reasonableness of this Presentation; and accept no responsibility for any errors or omissions from this Presentation

### Competent Persons Statement

The results reported herein, insofar as they relate to exploration activities and exploration results, are based on information provided to and reviewed by Mr G.W. McConachy (Fellow of the Australasian Institute of Mining and Metallurgy) who is a director of the Company. Mr McConachy has sufficient experience relevant to the style of mineralisation and type of deposits being considered to qualify as a Competent Person as defined by the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code, 2012 Edition). Mr McConachy consents to the inclusion in the report of the matters based on the reviewed information in the form and context in which it appears.

The results reported herein, insofar as they relate to metallurgical test work results, are based on information provided to and reviewed by Mr Simon Hall, a Competent Person who is a Member of the Australasian Institute of Mining and Metallurgy and a consultant to the Company. Mr Hall has sufficient experience relevant to the mineralogy and type of deposit under consideration and the typical beneficiation thereof. Mr Hall consents to the inclusion in the report of the matters based on the reviewed information in the form and context in which it appears.



**David Christensen:** Managing Director

**Telephone:** +61 (8) 8363 6989

**Email:** [info@renascor.com.au](mailto:info@renascor.com.au)

**Website:** [renascor.com.au](http://renascor.com.au)

**Office Location:** 36 North Terrace, Kent Town  
South Australia 5067