

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

** CAPEX for start-up small-scale operation

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

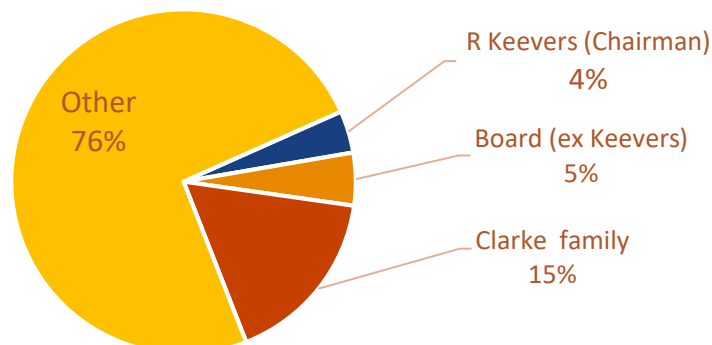
Shares on issue	1,153m
Performance rights	18m
Listed options	114.76m
Unlisted options	15m
Share price (5 Apr 19)	\$0.018
Market Cap (at \$0.018/sh)*	\$20.8m
Cash*	\$5.2m
Debt*	Nil
EV	\$15.6m

* 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

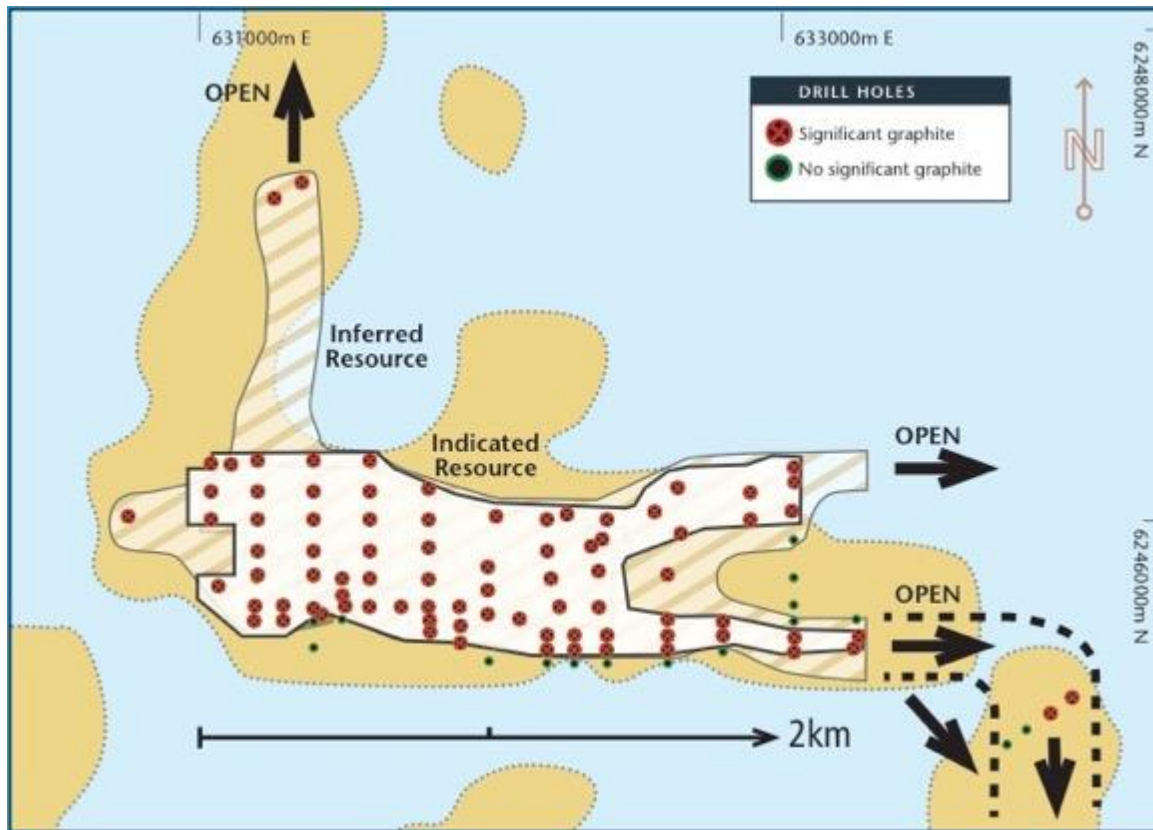
Mineral Resource: 80.6 Mt at 7.9% TGC for 6.4 Mt of contained graphite

Ore Reserve: 45.2 Mt at 7.9% TGC for 3.6 Mt of contained graphite



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

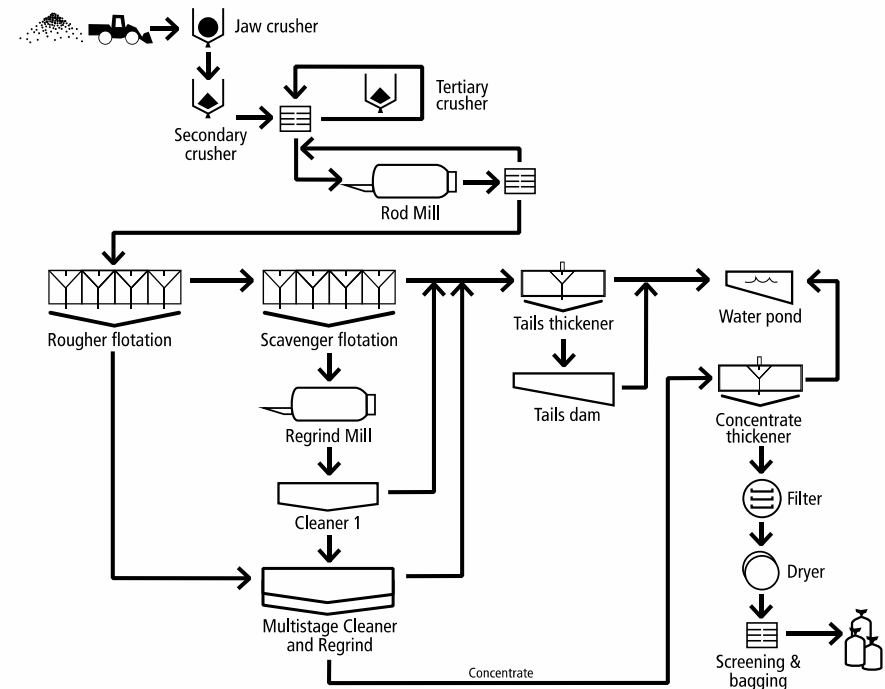
156,000 TONNES CONCENTRATE
CAPEX: US\$91M
OPEX: US\$335 PER TONNE

FULL DEVELOPMENT

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



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	99.97%	99.99%
Ash content	0.03%	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 ³	0.95 g/cm ³

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 µm)	+80 mesh (>180 µm)	
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

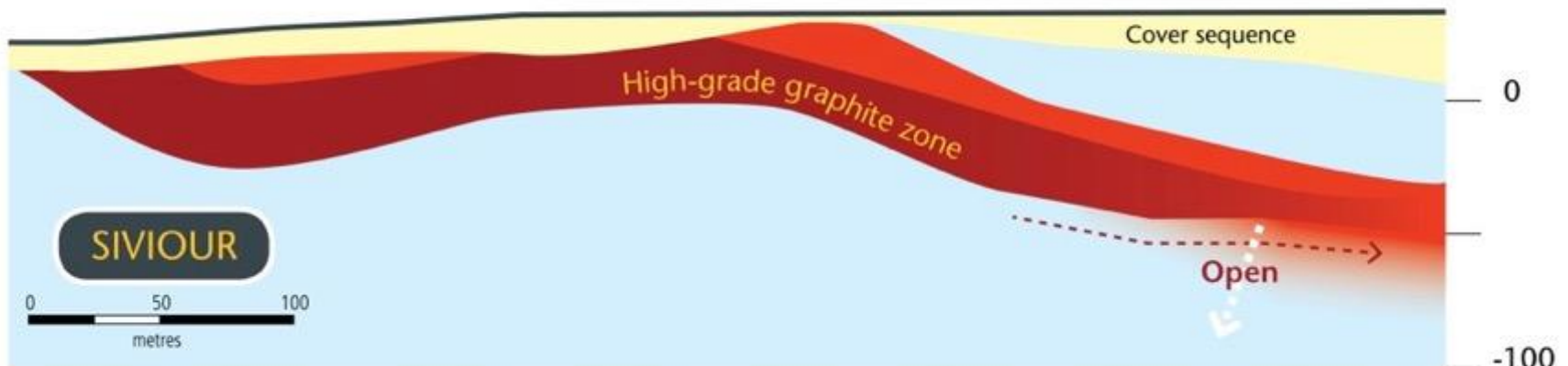
Expandable graphite is created by heating graphite to a temperature that causes exfoliation (expansion) of individual flakes of graphite

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

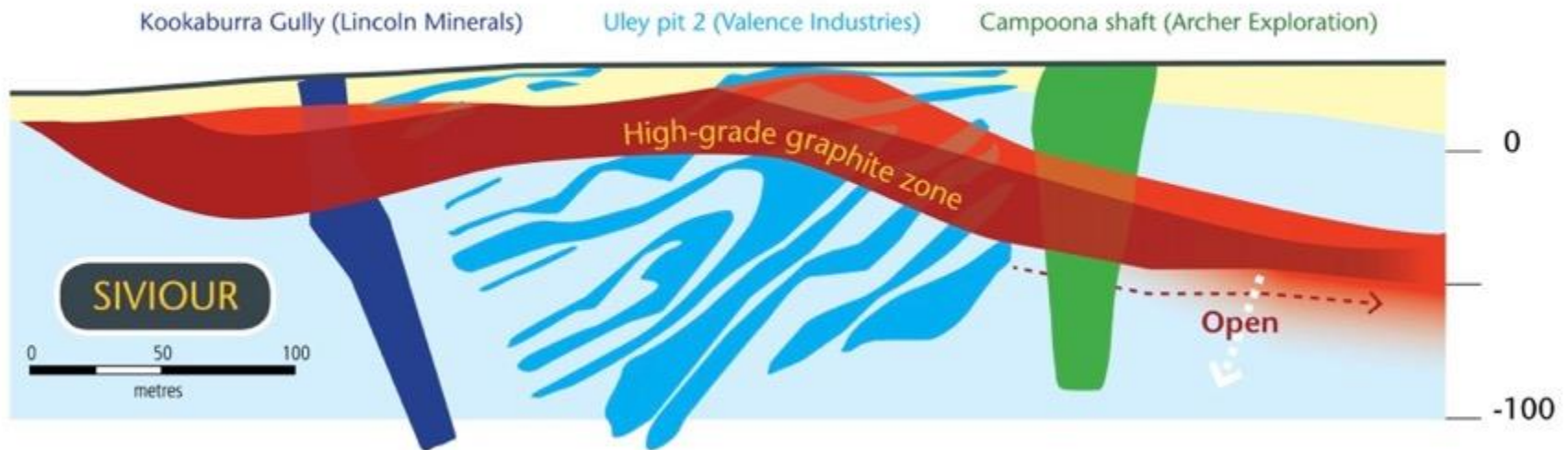
Near-surface, Flat-lying Ore Body

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



Near-surface, Flat-lying Ore Body

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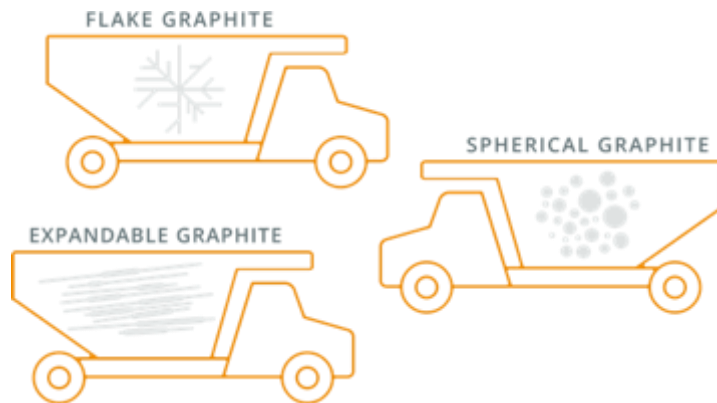
Mine to Market

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

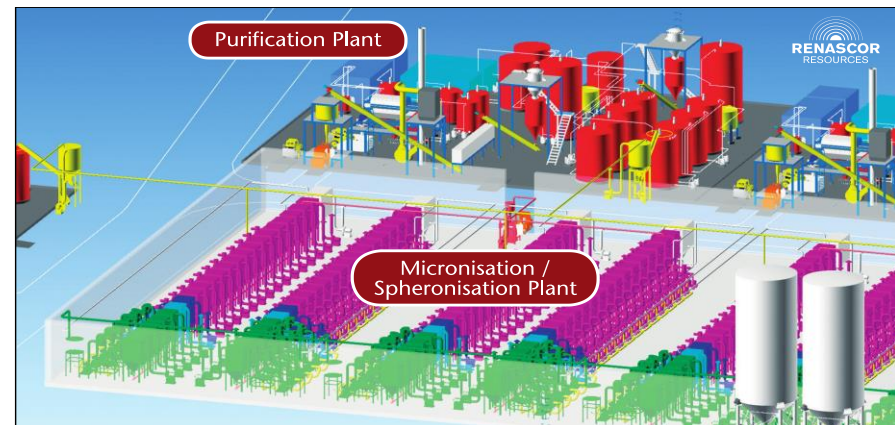
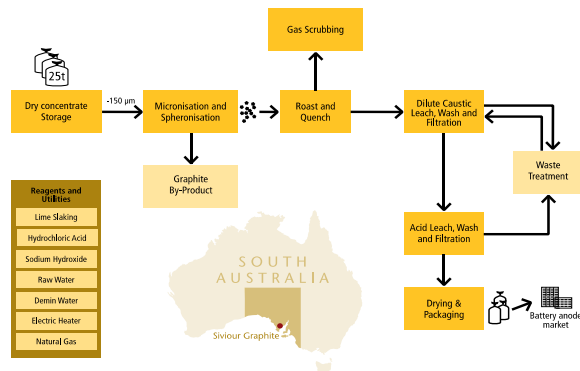
Advanced manufacturing

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 ₁₀ (after tax) of spherical operation	AU\$487m	US\$365m
NPV ₁₀ (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



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

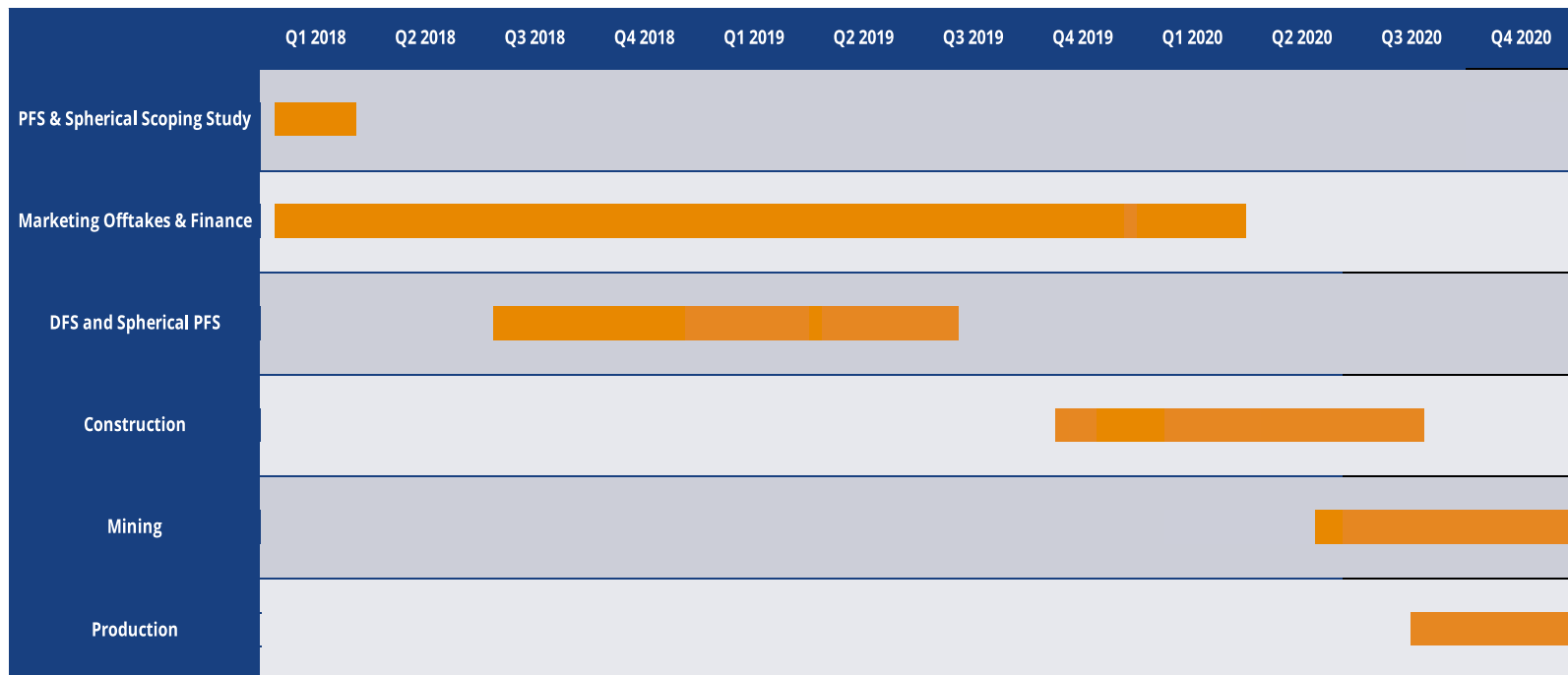


Sivour Timelines

Definitive Feasibility Study (DFS) expected Q2 2019

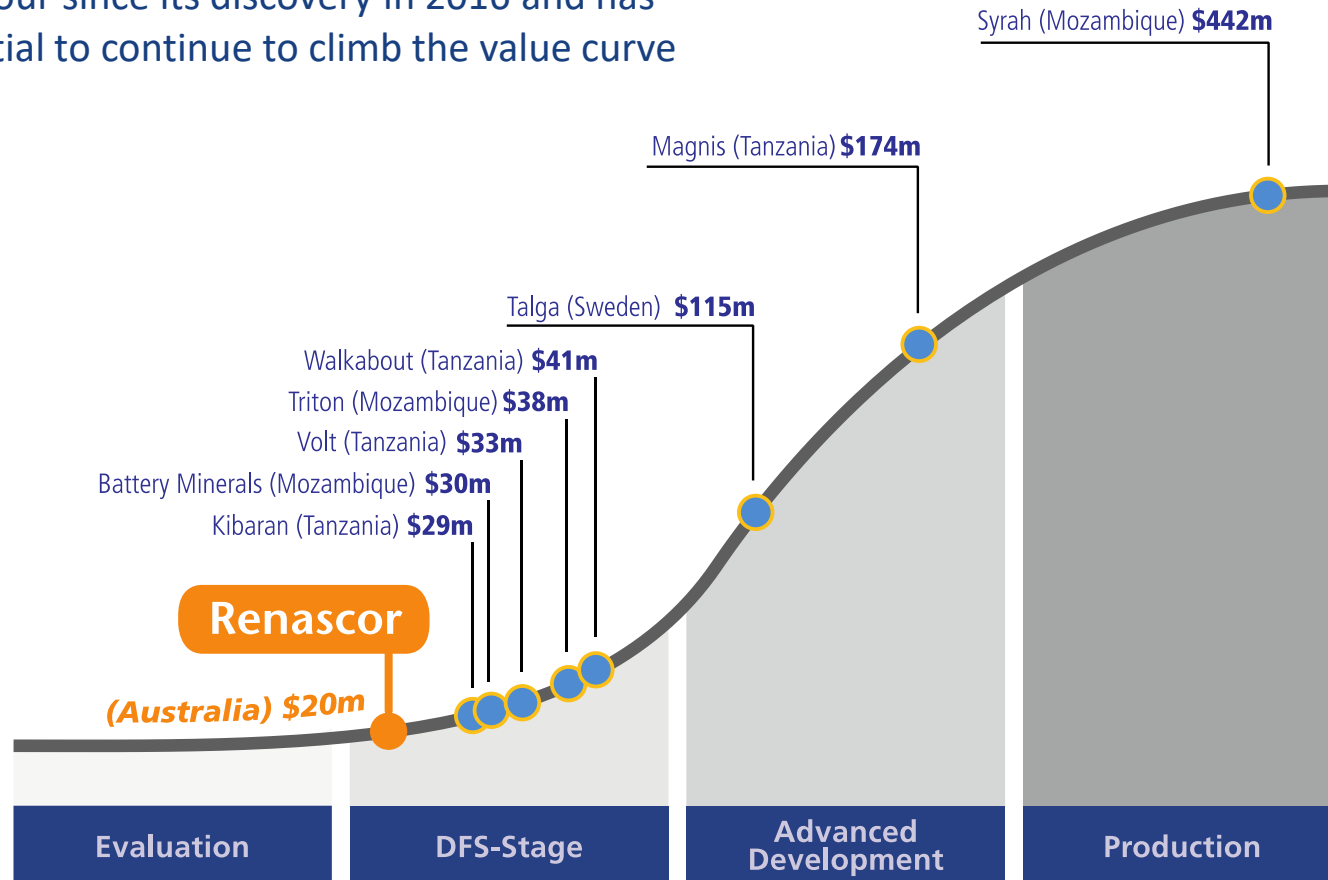
Mine Construction (pending financing) planned as early as Q4 2019

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

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



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.

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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.

The background of the slide is a photograph of an industrial facility, likely a steel mill. A large, glowing yellow-orange molten metal ladle is the central focus, surrounded by industrial structures and scaffolding. The image is overlaid with a series of white, curved, concentric lines that sweep across the frame from the top left towards the bottom right, creating a sense of motion and energy.

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