Lithium Australia NL

October 2018

COMPANY EXPOSURE	COMPANY LISTING	STOCK CODE
Lithium and processing technology	Lithium Australia NL	ASX: LIT

DIRECTORS & MANAGEMENT

Adrian Griffin	Managing director
Bryan Dixon	Non-executive director
Barry Woodhouse	Company secretary, CFO
George Bauk	Non-executive chairman

KEY FINANCIALS AS OF OCT 2018 (AUD)

Share price	$0.11
Shares outstanding	464 M
Market capitalisation	$50 M
Share price: year high-low	$0.09 - 0.27
Cash	$14 M
Debt	$5 M

MAJOR SHAREHOLDERS

Top 10 holders at 30 Sept 2018	26.96%
JP Morgan Nominees	5.79%
TIN International	4.60%
Accuity Capital	3.23%
HSBC Custody Nominees	3.00%
Citicorp Nominees	2.45%
Neil Griffin	2.01%
Adrian Griffin	1.85%
Parkway Minerals NL	1.58%
Resource & Land Management	1.31%
MCN Investments Pty Ltd	1.14%

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Furthering the Energy Revolution ... sustainably!

COMPANY OVERVIEW

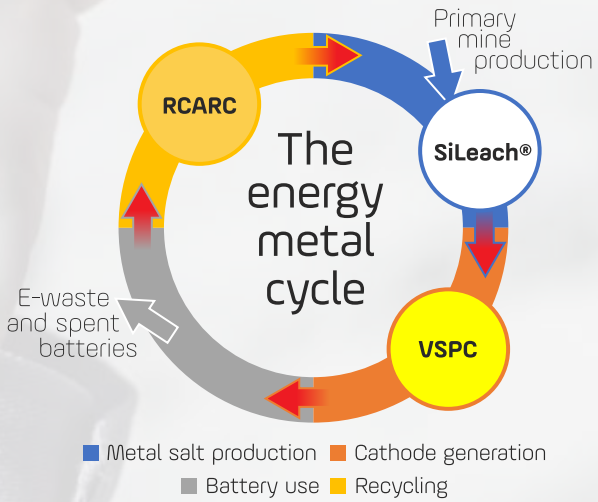
Lithium Australia NL (LIT) aims to supply ethically and sustainably sourced materials to the battery industry worldwide. To that end, LIT has developed disruptive extraction technologies – including its proprietary SiLeach® process – and secured positions in lithium provinces around the globe, including Western Australia and Europe. LIT takes the view that sustainability equates to viability with respect to both the manufacture and disposal of lithium-ion batteries (LIBs). Indeed, LIT believes discarded electronic/battery waste may ultimately prove the most cost-effective and environmentally friendly source of the so-called 'energy metals', among them lithium and cobalt.

LIT's aspires to 'close the loop' on the energy metal cycle via its principal business units, which comprise the following.

- **SiLeach®** – primary lithium extraction
- **VSPC Ltd** – advanced cathode materials
- **RCARC Pty Ltd** – battery recycling
- **Exploration/alliances** – Australia, Europe and Mexico

LIT's suite of technologies reflects the ingenuity required to drive sustainability, in that the company can:

- convert mine waste to battery chemicals – **SiLeach®**
- transform those chemicals into battery materials – **VSPC**
- recycle batteries/e-waste to extract such chemicals – **RCARC**
- maintain equity in resource projects globally as security for feedstock supply



INVESTMENT HIGHLIGHTS

- 100% owned technology – **SiLeach®**
- Developing superior cathode materials – **VSPC**
- Full process integration – **RCARC** closes the loop on the energy metal cycle
- Conversion of mine waste to cathode materials
- Commitment to large-scale SiLeach® pilot plant
- VSPC cathode/metal oxide plant fully recommissioned
- Process development for LIB recycling underway
- Significant resource inventory underpins development

Lithium Australia provides the opportunity to invest in all aspects of the energy metal cycle.

Mine waste ➡ SiLeach® ➡ VSPC ➡ RCARC

SILEACH®

SiLeach® is a hydrometallurgical process, so no roasting phase is required. Sulphuric acid (to break weak chemical bonds) and halides (fluoride in particular) are used to dissociate the strong bonds that act as the glue in silicate lattices. Reactions occur rapidly at about 90°C – a distinct advantage in terms of constraining the plant footprint and reducing capital costs.

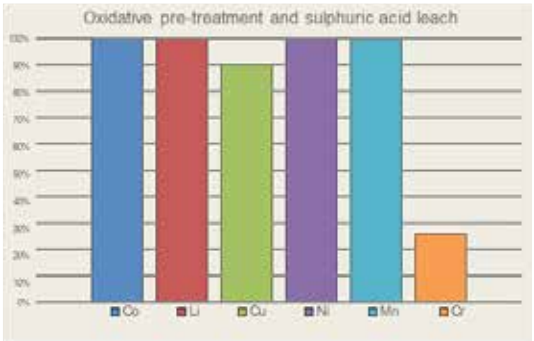
- Lithium extracted without roasting
- Complete dissolution of all silicates
- Diverse by-product credits
- Low energy footprint and operating costs
- Production of battery-grade chemicals
- Process pilot-tested by ANSTO Minerals
- Commitment to construction of large-scale pilot plant by 2020

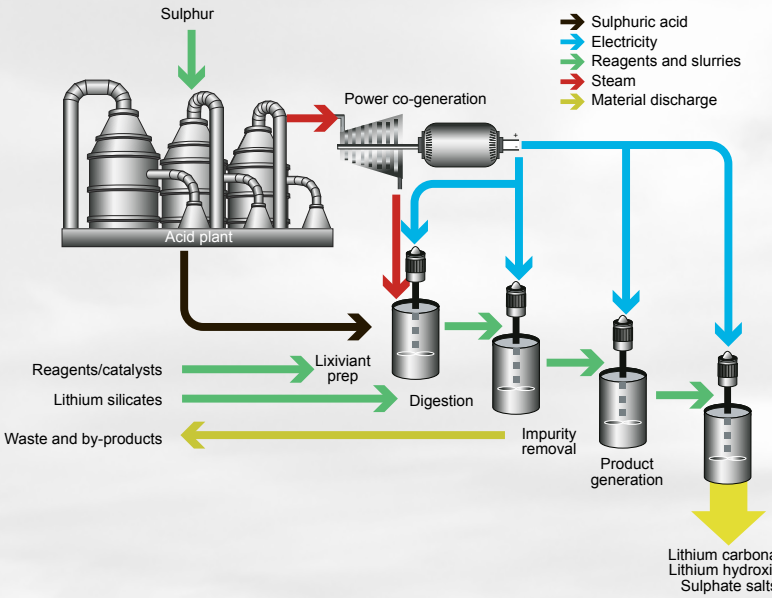
VSPC LTD

- Wholly-owned subsidiary of LIT
- Focused on the efficient design, manufacture and supply of complex high-purity, high-performance cathode materials and metal oxides – from initial research to pilot- and large-scale production
- Capable of producing cathode materials with a smaller particle size than those of competitors
- Bench-scale pilot plant recently recommissioned
- Electrochemical laboratory and testing facility operational:
  - » cathode materials being produced
  - » LIB cells being produced and tested
- LIT to proceed to definitive feasibility study in 2019
- Commitment to full production facility in 2019

RCARC PTY LTD

- Novel pre-treatment of battery scrap to remove polymer binders – covers all energy metals
- Potential for significant growth given scarcity of energy metals (lithium, nickel, cobalt)





EXPLORATION

Resource security is a commercial imperative. One of LIT's objectives is processing third-party ore, where much of the mining cost has already been absorbed during the extraction of other commodities. To ensure such security, LIT has taken positions in major lithium provinces around the globe.

PROJECTS

Australia

- Pilbara region, Western Australia
- Cape York region, Queensland
- Bynoe, Northern Territory
- Kangaroo Island, South Australia

North America

- Electra project – Mexico
- Metals Tech – Canada

Europe

- Sadisdorf and Eichigt – Germany

SADISDORF – SAXONY, GERMANY

- LIT is sole owner of the Sadisdorf lithium resource (as well as exploration projects at nearby Eichigt and Hegelshöhe)
- Resource = 25 Mt @ 0.45% Li_2O
- Scoping study planned for end of 2018
- Recent acquisition provides 100% equity in a substantial resource close to burgeoning LIB production facilities established in response to growth of European electric vehicle industry