

22 February 2019**ASX ANNOUNCEMENT****LITHIUM AUSTRALIA PRESENTS AT ROSKILL CONFERENCE****HIGHLIGHTS**

- **Lithium Australia presents at Roskill's "Lithium Mine to Market" forum in Perth, Western Australia**

Leading lithium industry analyst Roskill is host to the "Lithium Mine to Market" forum in Perth, Western Australia, convened on 21 and 22 February 2019. Lithium Australia NL (ASX: LIT), as owner of VSPC Limited, Australia's only company commercializing cathode powder production for lithium ion batteries (LIBs) will provide an overview of Australia's cathode potential.

Australia leads the global market in energy storage applications, for which VSPC's lithium iron phosphate cathode powder (LFP) is ideally suited.

Lithium Australia has commenced pre-feasibility of its Sadisdorf deposit in Germany which is based on processing lithium micas to generate LFP cathode powders, by direct powder production without the requirement for utilising hydroxide of carbonate lithium inputs. This strategy provides greater sustainability and ethical supply, and by providing domestic inputs can contribute to energy security in Europe by reducing external supply risks.

Lithium Australia has a similar strategy for the production of cathode powder in Australia and through the Australian Battery Consortium will evaluate the potential to combine a number of stakeholders to use VSPC cathode powders to produce LIBs for the Australian energy storage market.

Lithium Australia / VSPC's presentation is provided below and can also be viewed on the Company's website www.lithium-au.com.

Adrian Griffin – Managing Director

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Adrian.Griffin@lithium-au.com**ABOUT LITHIUM AUSTRALIA NL**

Lithium Australia aspires to 'close the loop' on the energy-metal cycle in an ethical and sustainable manner. To that end, it has amassed a portfolio of projects and alliances and developed innovative extraction processes to convert *all* lithium silicates (including mine waste) to lithium chemicals. From these chemicals, the Company plans to produce advanced components for the lithium-ion battery industry. The final step for Lithium Australia involves the recycling of spent batteries and e-waste. By uniting resources and the best available technology, the Company aims to establish a vertically integrated lithium processing business.

MEDIA CONTACTS

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Outlook for Australian cathode production



Adrian Griffin
Managing Director
ASX: LIT

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Certain statements contained in this presentation, including information as to the future financial or operating performance of Lithium Australia NL (ABN 29 126 129 413) ('the Company') and its projects, are forward-looking statements. Such forward-looking statements are necessarily based on a number of estimates and assumptions that, while considered reasonable by LIT, are inherently subject to significant

technical, business, economic, competitive, political and social uncertainties and contingencies, 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, and may include, among other things, statements regarding targets, estimates and assumptions in respect of commodity prices, operating costs and results, capital expenditures, ore reserves and mineral resources and anticipated grades and recovery rates and are, or may be, based on assumptions and estimates related to future technical, economic, market, political, social and other conditions.

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Many known and unknown factors could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements. Such factors include, but are not

limited to: competition; mineral prices; ability to meet additional funding requirements; exploration, development and operating risks; uninsurable risks; uncertainties inherent in ore reserve and resource estimates; dependence on third-party smelting facilities; factors associated with foreign operations and related regulatory risks; environmental regulation and liability; currency risks; effects of inflation on results of operations; factors relating to title to properties; native title and Aboriginal heritage issues; dependence on key personnel, and share-price volatility. They also include unanticipated and unusual events, many of which it is beyond the Company's ability to control or predict.

COMPETENT PERSON'S STATEMENT

The information in this report that relates to reporting of Exploration Results is based on and fairly represents information and supporting documentation prepared by Adrian Griffin, a member of the Australasian Institute of Mining and Metallurgy. Mr Griffin is a shareholder in, and managing director of, LIT and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration. He is qualified as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Griffin consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

Lithium Australia's business divisions

**Global resource and exploration portfolio
(Australia, Mexico, Alaska, Europe, Africa)**

Recovery of all metals to re-birth battery components and improve sustainability



Processing of lithium from hard-rock sources without roasting – low energy, byproduct credits

Production of advanced cathode powders with no need for lithium hydroxide or carbonate precursors

Lithium Australia – investing in the future

Lithium Australia has developed a suite of processing technologies that contribute to sustainability and ethical supply in the battery industry. Already, Lithium Australia has demonstrated at pilot scale its ability to generate lithium-ion battery cathode powders with no need to produce lithium hydroxide or carbonate intermediate products. These processes have been vindicated by the production of high-quality lithium-ion batteries.

Currently, Lithium Australia is taking its Sadisdorf project (in Saxony, Germany) to prefeasibility on the basis of domestic cathode powder production adding to the security of renewable energy generation in Europe.

Lithium Australia is assembling a consortium – the Australian Battery Consortium (ABC) – that will produce batteries in Australia using VSPC cathode powders. The initial target is lithium iron phosphate batteries for the energy storage industry. Domestic control of the supply chain may provide Australia with secure renewable energy.

Lithium chemicals

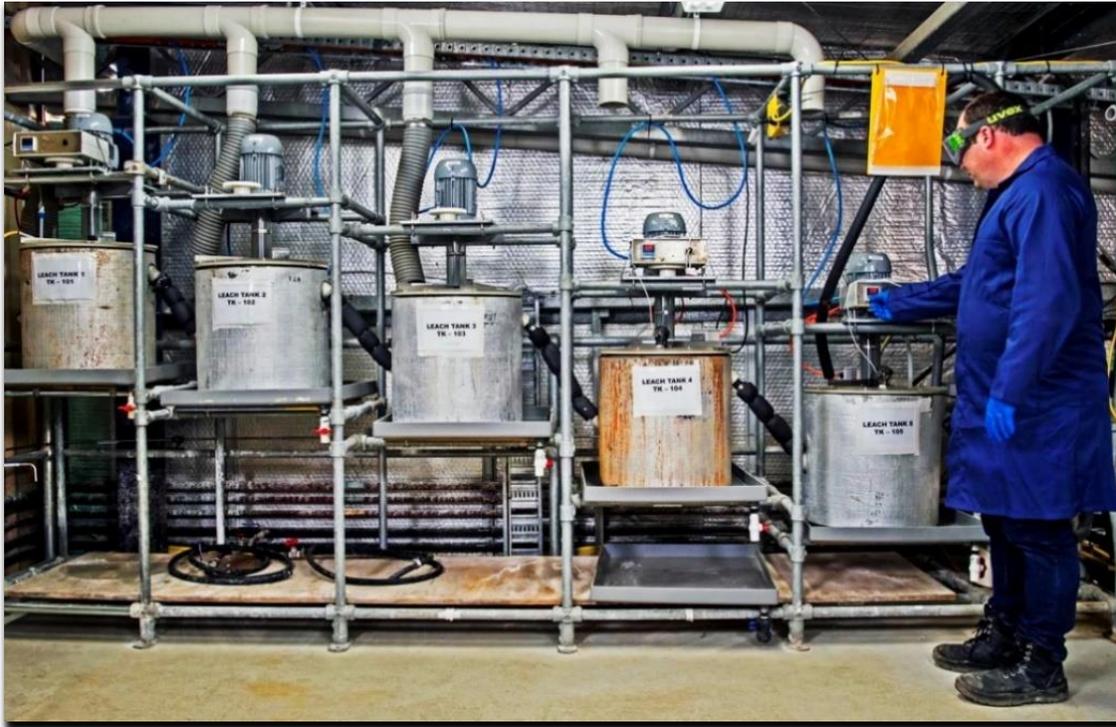


- Focus on sustainability – capitalising on the waste products of others.
- Processing of all lithium minerals with a low energy footprint:
 - SiLeach[®] for lithium micas and phosphates, and
 - LieNA[®] for spodumene, petalite
- Better control of water balance.
- Potential for direct extraction from brines.

Lithium chemicals



Generation 1 SiLeach[®] pilot plant – ANSTO, Sydney.



Generation 3 plant scheduled for construction 2019.

Cathode manufacture drivers



- Focus on sustainability – capitalising on the waste products of others:
 - mine waste
 - co-products
 - recycled materials.
- Direct cathode powder production.
- Energy security:
 - supply diversity
 - domestic feed sources.
- Matching cathode type to the end use is an essential element of success.
 - Australia is the leading market for energy storage applications.
 - Lithium iron phosphate (LFP) is the cathode material of choice.

VSPC Ltd – superior cathodes



Assets include R&D facility – Brisbane, Queensland:

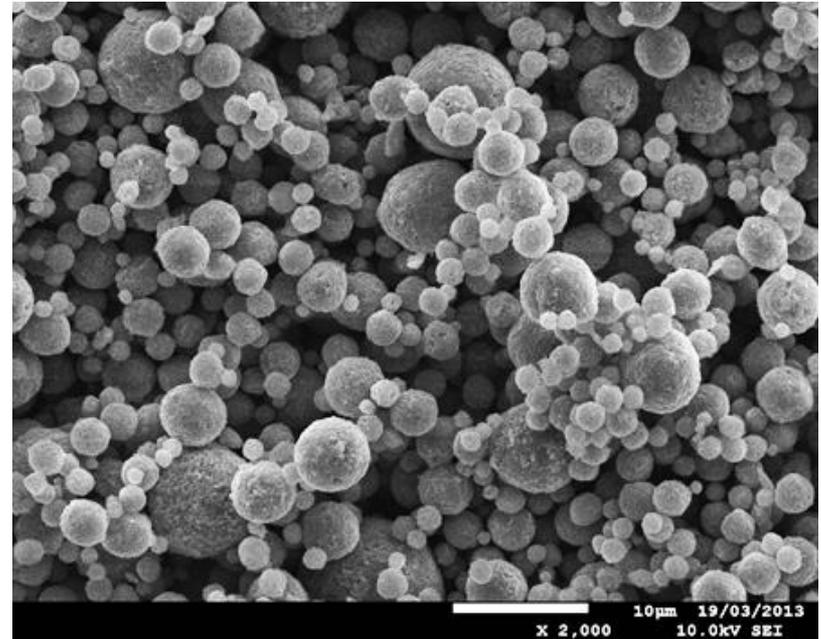
- electrochemical testing laboratory,
- in-house material characterization,
- integrated cell-making and testing and
- IP – three patent families.



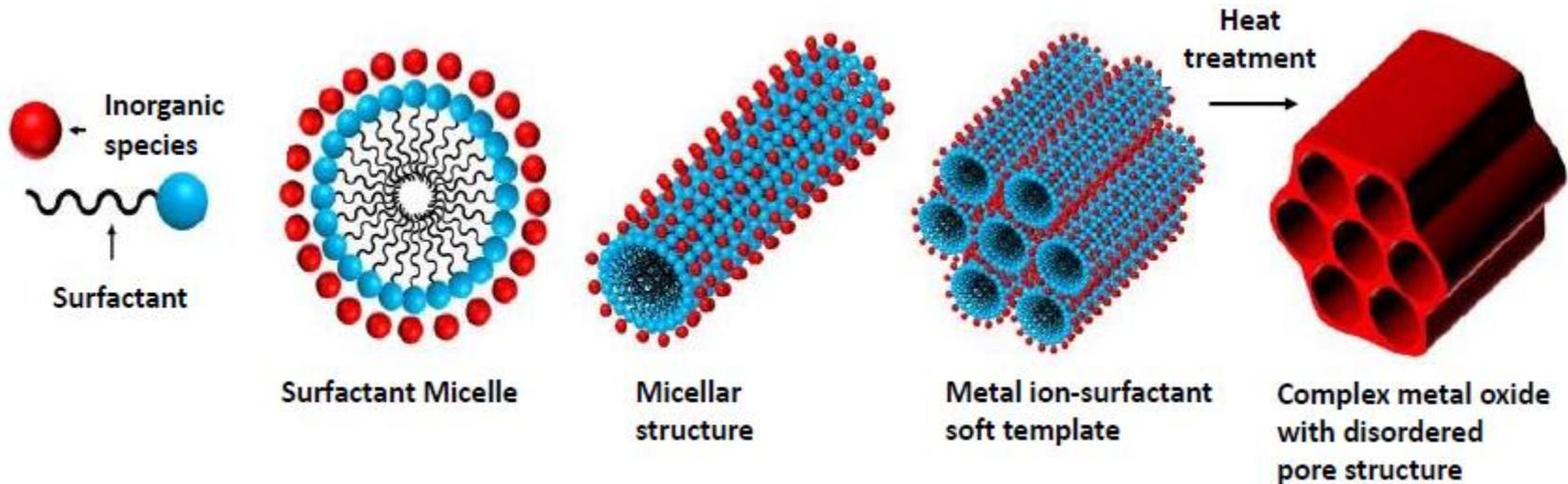
VSPC cathode materials



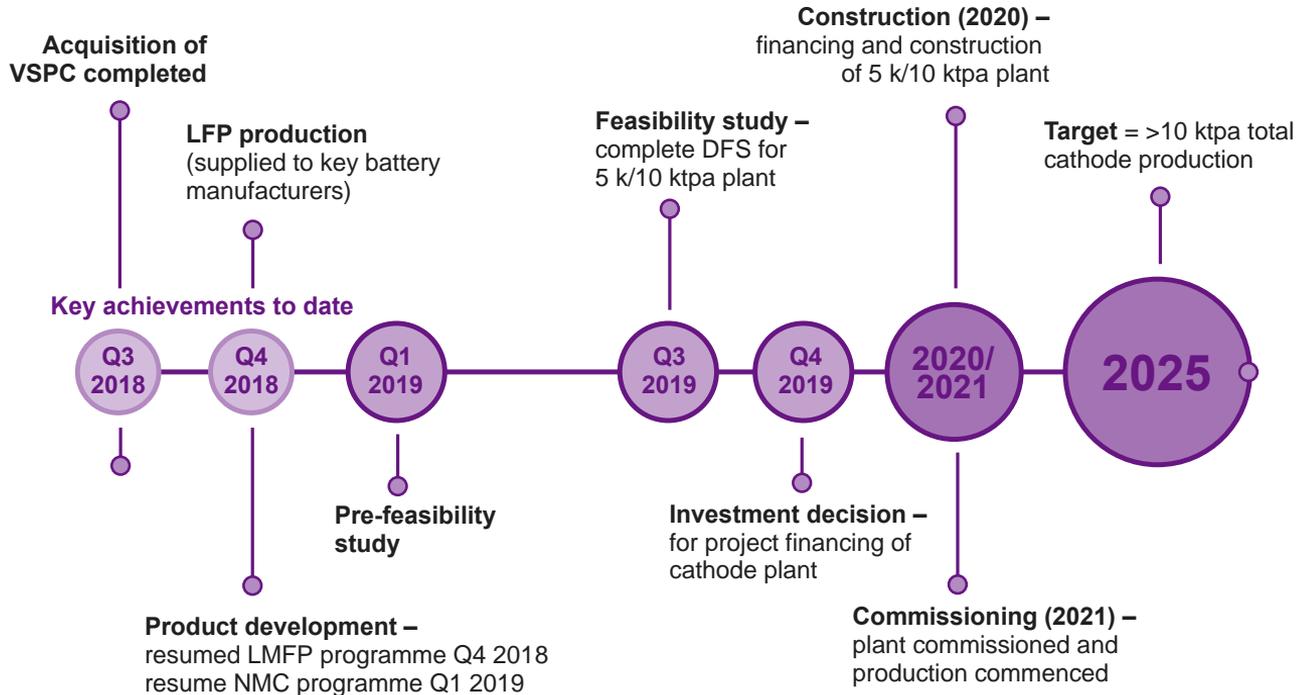
- Simple nanotechnology for superior battery cathodes.
- Precise control of composition and particle size.
- Low-cost production.
- Evaluation by Chinese/Japanese battery manufacturers.
- LFP ideally suited to the energy storage market.



Sacrificial soft templating



VSPC commercialisation



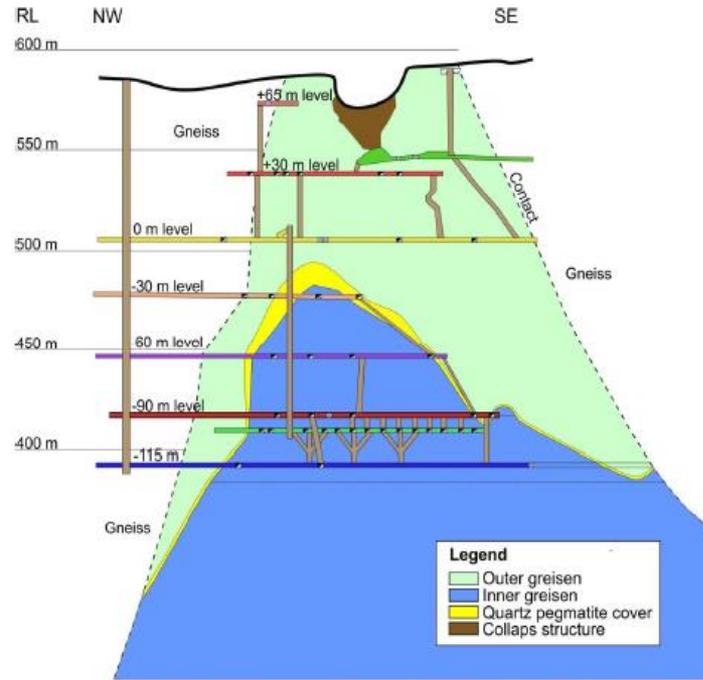
Lithium iron phosphate (LFP)



- **No cobalt, no nickel**
- No lithium hydroxide required
- No lithium carbonate required
- Lithium micas processed with SiLeach[®] – convenient precursor to cathode powder production.
- Spodumene and petalite processed through LieNA[®] – feed for VSPC cathode powder.
- Liquors recycled as direct feed for VSPC cathode powder production.
- Cobalt and nickel-free cathode compositions minimise supply chain risk.

Batteries – the European reality

Sadisdorf lithium/tin project



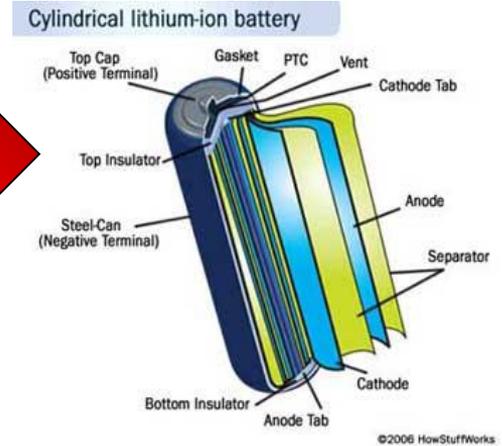
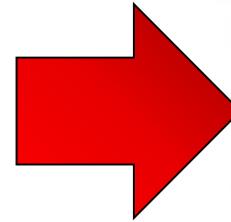
Pre-feasibility scheduled for 2019

Australian Battery Consortium



- ABC
- Raw materials.
- Lithium extraction and transformation.
- Advanced cathodes designed for the energy storage industry.
- Strategic partnerships:
 - cathode makers,
 - cell makers,
 - pack assemblers, and
 - battery management systems.

Waste → SiLeach[®] → VSPC



- Successfully tested through to lithium-ion batteries.
- Modelled for European cathode powder production.
- Development plans for Australian battery production.

The Australian outlook for cathode production

- LFP provides a great opportunity for energy storage in Australia.
- VSPC developing further cathode chemistries.
- Feasibility for VSPC commercial cathode powder plant in 2019.
- ABC –Australian Battery Consortium initiative underway and to have domestic control of the supply chain and renewable energy security for Australia.
- Plant locations under assessment.



Lithium Australia – corporate snapshot

ASX-listed: ticker LIT, LITCE



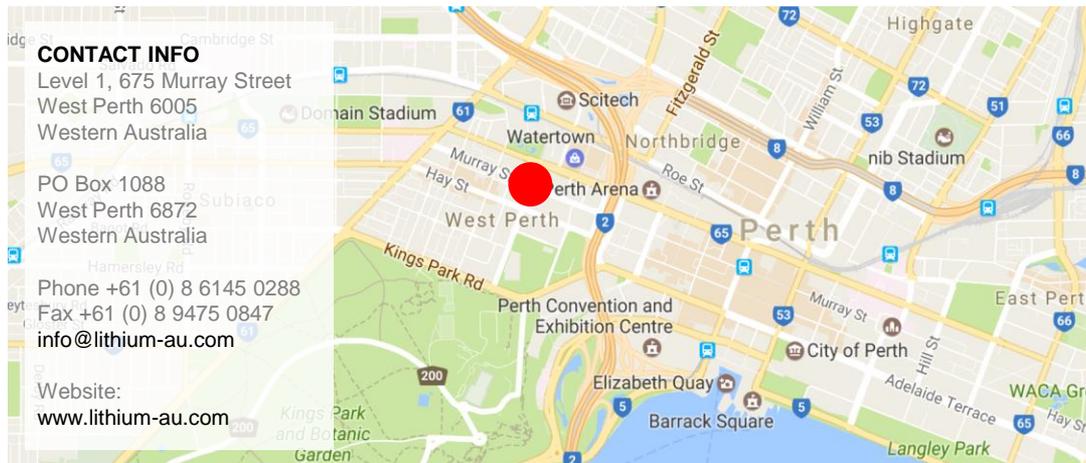
George Bauk
(non-executive chairman)
Expert in specialty metals, particularly rare earths – project management, marketing and financing.



Adrian Griffin
(managing director)
Exploration, production, mine management and processing technology.



Bryan Dixon
(non-executive director)
Corporate, finance and mine development.



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Price (AU\$) as at 29/1/19	0.09
Market capitalisation (AU\$)	42 M
Shares outstanding (LIT)	464 M
Partly paid shares (LITCE)	170 M
Cash position at 31/12/18 (AU\$)	10.95 M
Debt position at 31/12/18 (AU\$)	5.0 M

Top 10 holders at 25 Jan 2019	26.08%
JP Morgan Nominees	5.74
TIN International AG	4.60
Accuity Capital Investment Mgmt	3.23
Citicorp Nominees Pty Ltd	2.41
HSBC	2.21
Neil Griffin	2.01
Adrian Griffin	1.85
Parkway Minerals NL	1.58
Resource & Land Management PL	1.31
MCN Investments Pty Ltd	1.14

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Investing in the future



Adrian Griffin
Managing Director
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