

ASX ANNOUNCEMENT



20 January 2022

LIT investor webinar presentation

Lithium Australia NL (ASX: LIT) ('the Company') is pleased to announce its participation in the ShareCafe Small Cap "Hidden Gems" Webinar, to be held Friday 21st of January 2022 from 12:30pm AEDT / 9:30am AWST.

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Details of the webinar

Managing Director Adrian Griffin will provide an overview of the Company which aims to ensure an ethical supply of energy metals to the battery industry by creating a circular battery economy that enhances both sustainability and resource security.

This includes the operation of recycling facilities for spent batteries, development of processing technologies for the manufacture of high-purity, nano-scale battery materials and proprietary extraction processes for lithium mining.

This webinar is able to be viewed live via Zoom and will provide viewers the opportunity to hear from, and engage with, a range of ASX-listed leading micro/mid cap companies.

To access further details of the event and to register at no cost, please copy and paste the following link into your internet browser:

https://us02web.zoom.us/webinar/register/5416151767246/WN_vGZ5UY_pRcWUx2OIFRG9QQ

A recorded copy of the webinar will be made available following the event. A copy of the investor presentation to be delivered during the webinar is attached and available at <https://lithium-au.com/lit-investor-webinar-presentation/>

Authorised for release by the Managing Director.

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About Lithium Australia

Lithium Australia aims to ensure an ethical supply of energy metals to the battery industry by creating a circular battery economy that enhances both sustainability and resource security. Reprocessing spent lithium-ion batteries to create new ones is intrinsic to this plan, with the Company operating Australia's only fully integrated mixed-battery recycling business.

Having rationalised its portfolio of lithium projects/alliances, Lithium Australia continues its research into, and the development of, proprietary extraction processes for the conversion of *all* lithium silicates (including mine waste), and of fines generally discarded during conventional spodumene conversion, to lithium chemicals, from which it will produce advanced cathode materials for the battery industry globally.

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The Australian federal government has recognised the Company's progress through the awarding of substantial research grants designed to progress the nation's advanced battery capabilities.

By uniting resources and innovation, Lithium Australia seeks to vertically integrate lithium extraction, processing and recycling.





**Creating an ethical, secure and sustainable
battery industry.**

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 the Company, 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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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, accordingly, investors are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty therein.

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, permitting and liability; battery management, including fire risk; 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.

Lithium+

[CLICK HERE FOR VIDEO](#)

Lithium Australia NL: enhancing sustainability



Lithium Australia NL ('Lithium Australia' or 'the Company') has developed a suite of compatible processing technologies that provide a smooth transition across every interface in the battery supply chain. Protected by international patents, these technologies minimise the steps involved in taking resources from the mine gate through to the manufacture of electric vehicles ('EVs') and back again ... by way of recycling. In so doing, the Company can reduce the length of the battery supply chain and its associated carbon footprint.

Maintaining strategic, free-carried interests for ongoing upside while reducing costs and providing access to lithium feedstock.

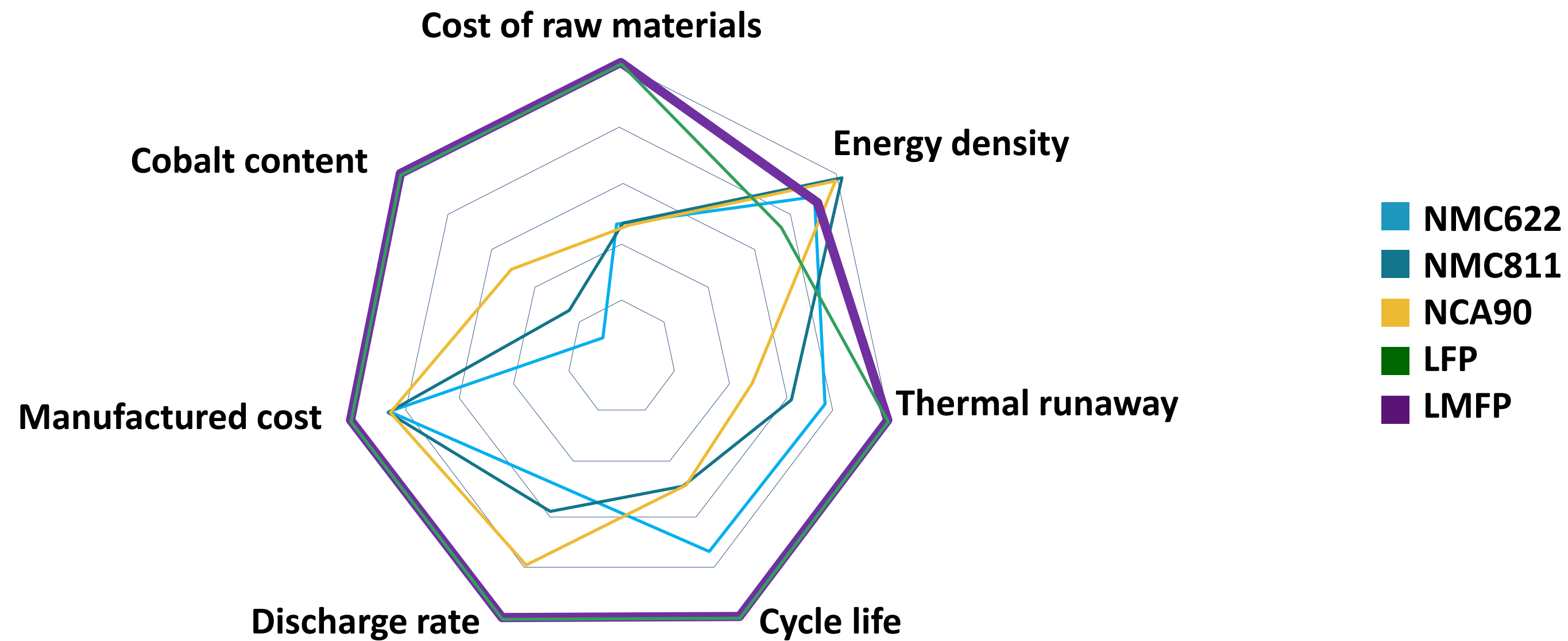
Recycling end-of-life batteries and re-using the components to enhance sustainability.



Advancing LieNA[®] process technology for the low-energy extraction of lithium from spodumene (no roasting).

Producing advanced materials for the global lithium-ion battery market.

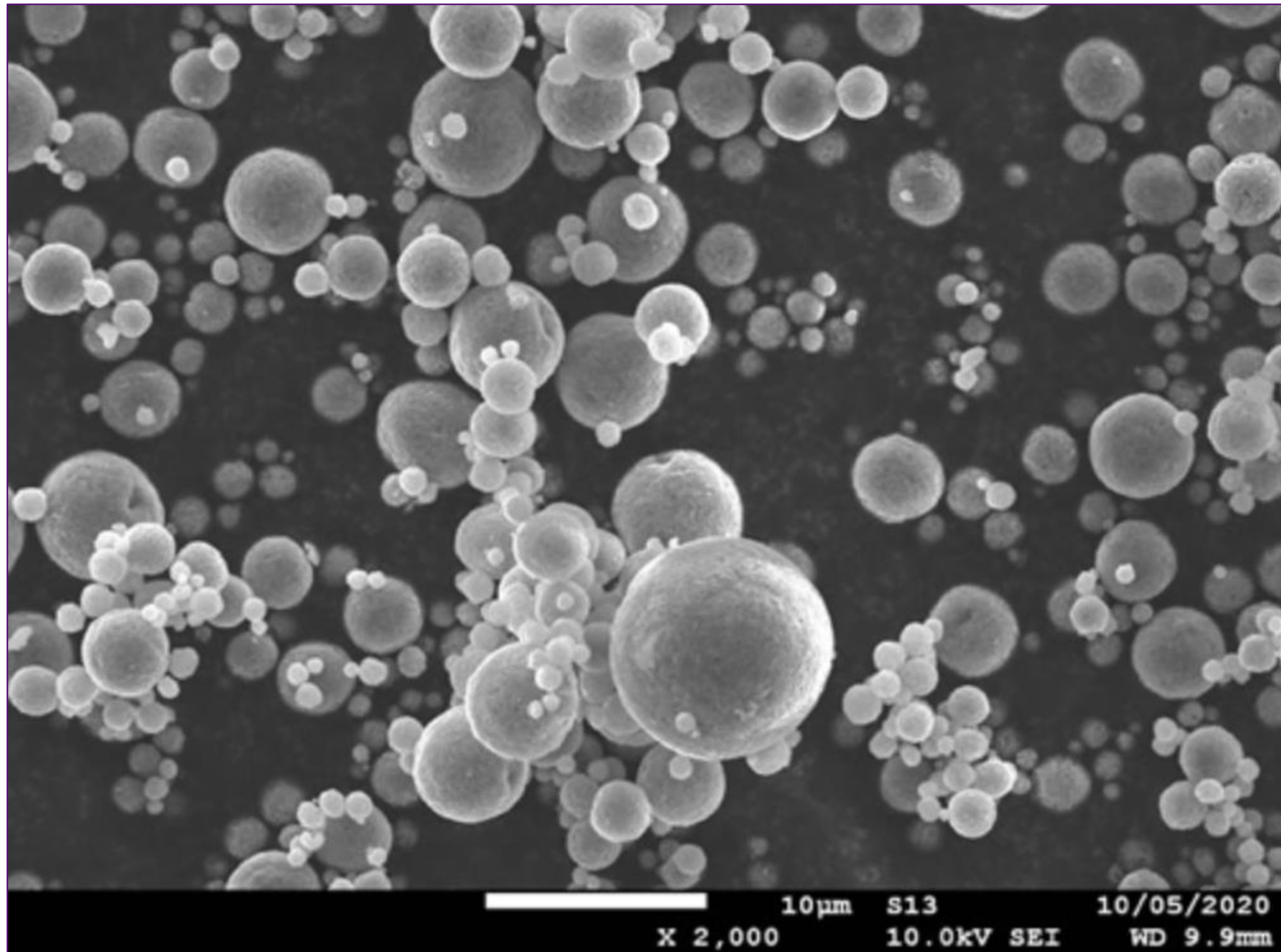
Competition in the battery materials market: Why lithium ferro phosphate ('LFP') and lithium manganese ferro phosphate ('LMFP')?



The outer edge of the axis represents desirable qualities, the centre of the chart those less so. (Raw materials and manufacturing costs effective as of July 20, 2020.)

[Source: Bloomberg NEF.]

LMFP for use in next-generation lithium-ion batteries



Finished product (bar = 10 microns).

Lithium Australia's 100%-owned subsidiary VSPC Limited ('VSPC') leads the world in the development of LMFP.

The particle size and distribution of the LMFP produced by VSPC is ideal for optimum battery performance. VSPC uses the same patented processes to produce both LMFP and LFP for lithium-ion batteries ('LIBs').

VSPC pilot plant for LFP and LMFP production



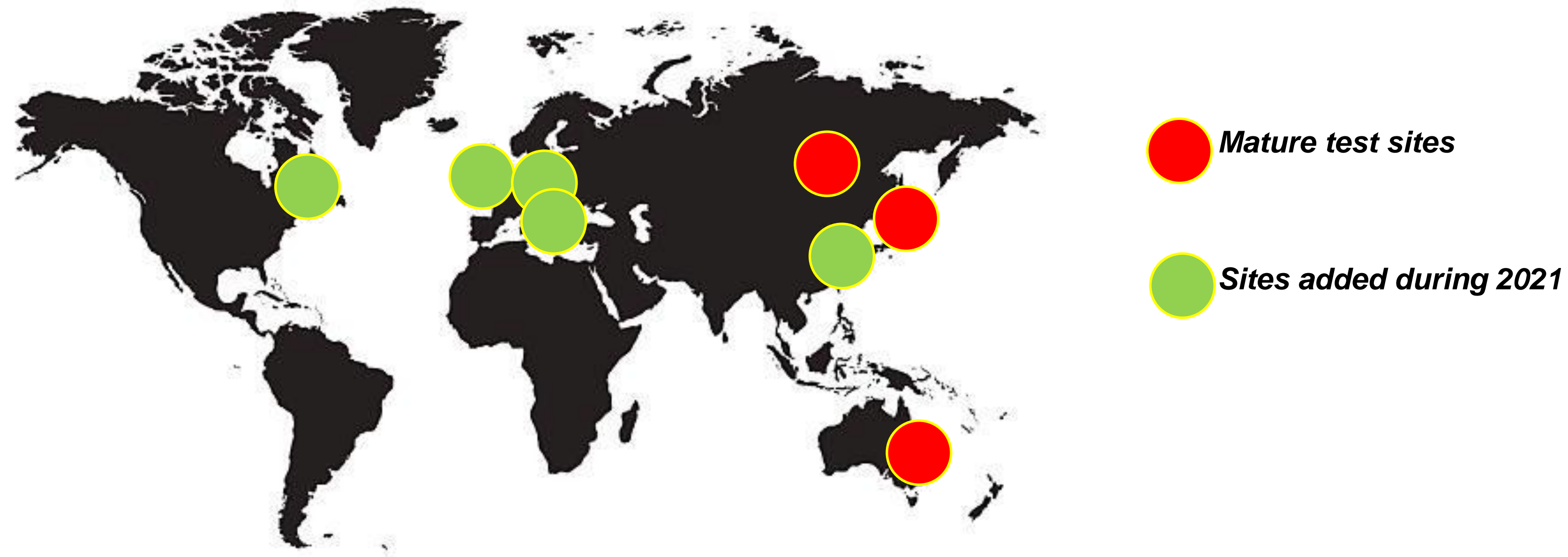
VSPC's pilot plant is located in Wacol, Queensland, Australia.



LFP: an international opportunity



- + LFP production achieved triple digit expansion in 2021, with installed capacity up by more than 400%.
- + The whole world – not just China – requires access to intellectual property for LFP.
- + VSPC produces the world’s most advanced LFP cathode materials.
- + VSPC’s global patents place it in a commanding position.
- + Currently, VSPC’s commercial-format LFP cells are being tested by major international battery producers.
- + The Company is committed to a definitive feasibility study for LFP production of 10,000 tonnes per annum.



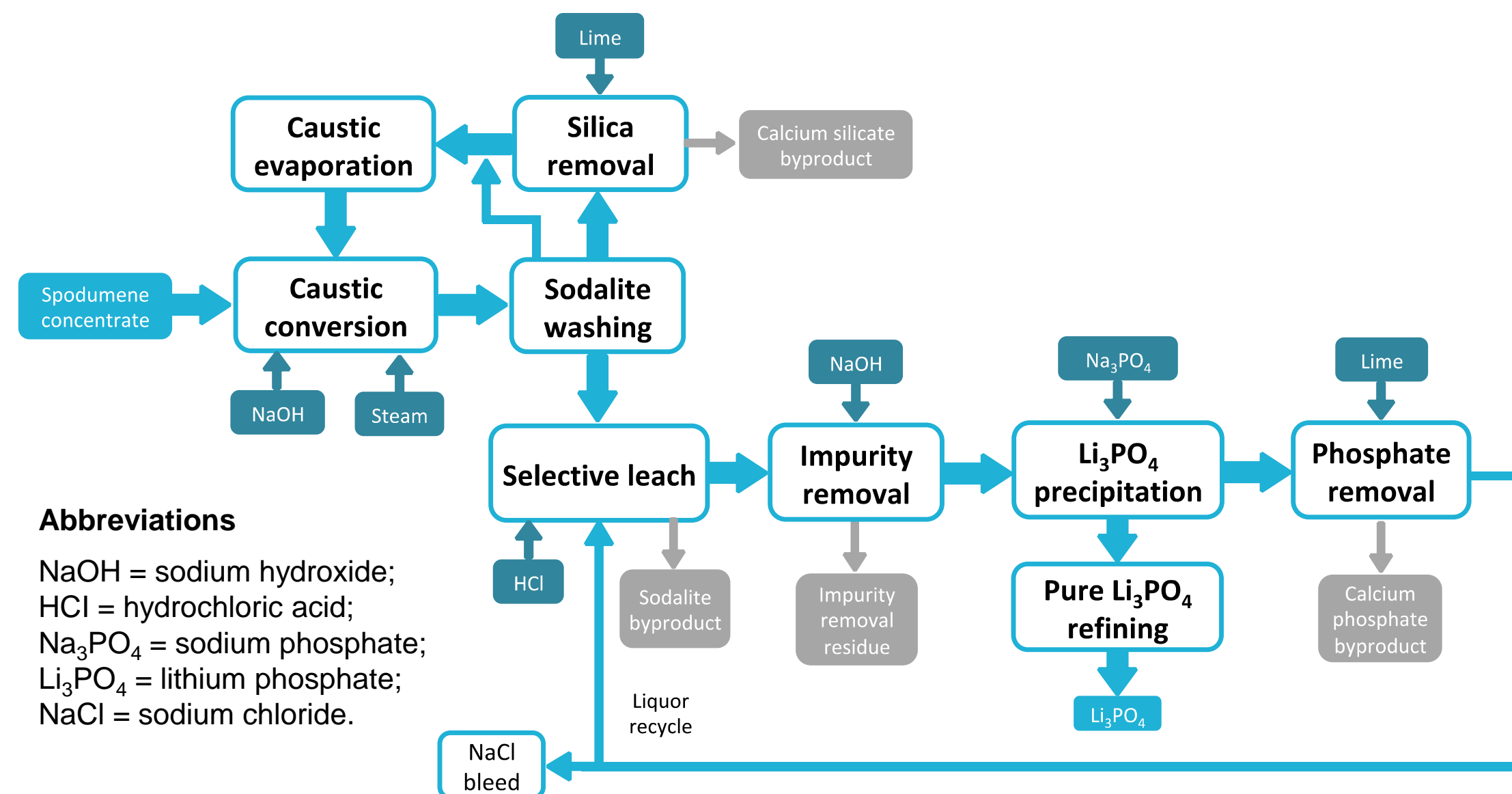
Integrated solutions: upstream and downstream



Lithium Australia's 90%-owned subsidiary Envirostream Australia Pty Ltd ('Envirostream') provides downstream spent-LIB collection and recycling. Australia's only mixed-battery (including LIBs) recycler, Envirostream is well-positioned for the roll-out of the national Battery Stewardship Scheme early this year.



VSPC – impression of commercial LFP plant.



Abbreviations

NaOH = sodium hydroxide;
 HCl = hydrochloric acid;
 Na₃PO₄ = sodium phosphate;
 Li₃PO₄ = lithium phosphate;
 NaCl = sodium chloride.

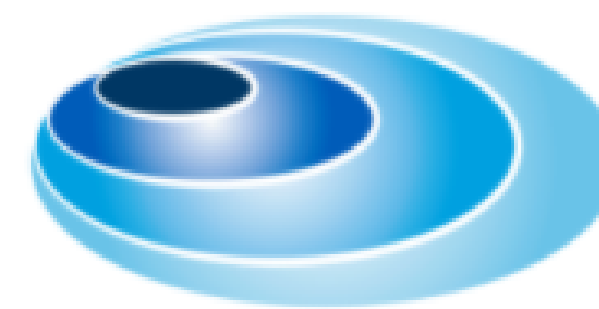
Flowsheet – LieNA® process.

Lithium Australia's LieNA[®] hydrometallurgical process for the recovery of lithium from spodumene can improve resource yields by processing fine and low-grade material not amenable to conventional 'conversion' methods for producing lithium chemicals. The first LieNA[®] licence has been sold and a pilot plant is currently under construction.

Raw materials: exploration success minus the financial exposure



- + Lithium Australia has equity in battery metal explorers Galan Lithium Ltd (ASX: GLN) and Charger Metals (ASX: CHR).
- + The Company's free-carried project interests include:
 - + Greenbushes South (Western Australia) – lithium – 20%;
 - + Bynoe (Northern Territory) – lithium – 30%;
 - + Lake Johnston (Western Australia) – lithium – 30%, and
 - + Coates (Western Australia) – platinum group metals, nickel, copper and cobalt – 30%.
- + These projects are generating positive exploration results.



GALAN
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Summary



- + Lithium Australia is one of the few companies outside China that provides direct exposure to the burgeoning LFP industry, as well as the only investment exposure to LFP on the ASX.
- + Lithium Australia is also one of the few companies worldwide to master the production of LMFP.
- + Increased global demand for LFP, lack of LFP production in the West and strong domestic consumption of LFP within China are placing immense pressure on the availability of LFP worldwide.
- + The Company's patented technologies shorten the length of the supply chain from raw materials through to battery production and, ultimately, recycling.
- + As the only licensed mixed-battery recycler in Australia, Company subsidiary Envirostream stands to benefit from the newly introduced, Australia-wide battery stewardship scheme.
- + Lithium Australia's strategic investments in ASX-listed companies and free-carried exploration interests provide both exploration upside and exposure to raw materials for the battery industry.

Questions?
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