

3 October 2023

APPOINTMENT OF HATCH FOR LITHIUM CARBONATE PLANT ENGINEERING STUDY

Highlights

- Hatch Ltd appointed Lithium Carbonate Engineering Study Manager
- Study focus is 16,000 tpa battery grade lithium carbonate plant
- Multidisciplinary engineering group with extensive lithium experience
- Hatch designed and built the 17,000 tpa Jiangsu Lithium Carbonate Plant for Galaxy
- Under the leadership of Dr Jingyuan Liu and John Loxton
- Part of the Quebec Lithium Processing Hub (QLPH) Strategy

Lithium Universe Limited (referred to as "Lithium Universe" or the "Company," ASX: "LU7") is pleased to announce that Hatch Ltd (**Hatch**) has been appointed to undertake an engineering study for the design of a multi-purpose battery-grade lithium carbonate refinery, which will form part of the Company Québec Lithium Processing Hub (QLPH) strategy (**Engineering Study**). Consistent with the Company's proposed business model as outlined in its Prospectus (ASX release 10 August 2023) which has also recently been reinforced¹, the Company is aiming to establish a major lithium mining and processing hub in Québec, Canada. This business model is intended to be achieved by the creation of a vertically integrated mine to battery grade lithium carbonate processing hub in Québec, with the QLPH strategy being a key element to creating value for the Company's shareholders.

Hatch is a renowned global engineering company, boasting a vast network of over 10,000 professionals and operating in more than 150 countries worldwide. With its origins in Canada, Hatch has extensive experience in successfully delivering lithium-based projects in Québec and globally. Hatch has more than 70 years of project delivery experience in Quebec and has pioneered the use of modular construction in the region. Furthermore, Hatch was the engineering company responsible for the design and delivery of the 17,000 tpa Jiangsu Lithium Carbonate Plant, operated by Galaxy Resources Limited. Upon completion and commissioning, the plant became the world's largest lithium refinery of its kind.

The Engineering Study will be aimed to define the process and non-process infrastructure requirements for a 16,000 tpa lithium carbonate refinery, as well as the definitive estimated capital and operating costs. The design

¹ Lithium Universe Limited: ASX release dated 15 September 2023 (ASX:LU7) *Letter to Shareholder from the Chairman*

will include the use of conventional kiln conversion of spodumene, sulphuric acid sulphation and leaching, impurity removal and final purification to battery-grade quality lithium carbonate, similar to that of the Jiangsu Lithium Carbonate Plant. Lithium Universe has brought together a strong team of lithium experts to assist in the execution of this strategy, noting that Mr Iggy Tan and Dr Jingyuan Liu previously worked with Hatch on the design, construction and commissioning of the Jiangsu Lithium Carbonate Plant.

The first part of the Engineering Study will be to determine the ideal location of the lithium refinery. Hatch has assigned a study team of industry-recognized experts, from its Brisbane, Perth, and Montreal offices to undertake this task, who will report to Dr. Jingyuan Liu, a recognised lithium expert in the global lithium industry, and Mr. John Loxton, Head of Lithium Refinery.

Lithium Universe has made the deliberate choice to focus on lithium carbonate rather than lithium hydroxide due to its widespread use in the fast-growing Lithium Iron Phosphate (LFP) batteries. LFP batteries are increasingly used in EV applications due to their lower costs, longer shelf life, and superior stability compared with lithium hydroxide. In addition, the team at Lithium Universe possesses a wealth of knowledge and expertise in lithium carbonate processing, making it a preferred and well-known process for their operations.

Chairman, Iggy Tan said *“We welcome the opportunity to work with Hatch once again. We have got the same team back together and their role is to replicate the success of their previous experience at the Jiangsu Lithium Carbonate refinery. Today that plant is considered to be a global benchmark for lithium refineries and is renowned for producing the highest-quality battery-grade lithium carbonate worldwide. With this remarkable expertise and experience, Lithium Universe considers that it can replicate the same level of success in Québec, Canada”*.

Authorisation

This announcement had been authorised for release by Iggy Tan, Chairman of Lithium Universe Limited.

More Information

Video of Iggy Tan commenting on Hatch appointment: <https://youtu.be/PKxgMG4HI4I>



Lithium Universe Interactive Investor Hub

Engage with Lithium Universe directly by asking questions, watching video summaries and seeing what other shareholders have to say about this, as well as past announcements, at our Investor Hub <https://investorhub.lithiumuniverse.com/>

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Forward-looking Statements

The Company wishes to remind investors that the presence of pegmatite does not necessarily equate to spodumene mineralization. Also that the presence of pegmatite and spodumene mineralization on nearby tenements does not necessarily equate to the occurrence on Lithium Universe Limited's tenements. This announcement contains forward-looking statements which are identified by words such as 'anticipates', 'forecasts', 'may', 'will', 'could', 'believes', 'estimates', 'targets', 'expects', 'plan' or 'intends' and other similar words that involve risks and uncertainties. Indications of, and guidelines or outlook on, future earnings, distributions or financial position or performance and targets, estimates and assumptions in respect of production, prices, operating costs, results, capital expenditures, reserves and resources are also forward looking statements. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions and estimates regarding future events and actions that, while considered reasonable as at the date of this announcement and are expected to take place, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies. Such forward-looking statements are not guarantees of future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of our Company, the Directors and management. We cannot and do not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this announcement will actually occur and readers are cautioned not to place undue reliance on these forward-looking statements. These forward looking statements are subject to various risk factors that could cause actual events or results to differ materially from the events or results estimated, expressed or anticipated in these statements.

About Lithium Universe Limited (ASX:LU7)

LU7's main objective is to establish itself as a prominent Lithium project builder by prioritizing swift and successful development of Lithium projects. Instead of exploring for the sake of exploration, LU7's mission is to quickly obtain a resource and construct a spodumene-producing mine in Québec, Canada. Unlike many other Lithium exploration companies, LU7 possesses the essential expertise and skill to develop and construct profitable projects. Additionally, Lithium Universe Limited has access to significant Lithium opportunities in Tier 1 mining jurisdictions in Canada and Australia.

Tier 1 Lithium Inventory



Apollo Lithium Project (80%)

Commanding a land position spanning over 240 km², Apollo is located in the same greenstone belt and only 29 kilometres south-east of the Corvette Lithium Project owned by Patriot Battery Metals (market cap of over A\$1.4 billion). Patriot's most successful drill result was a remarkable 156 meters at 2.12% Li₂O at CV5. Similarly, 28 kilometres to the east, Winsome Resources Limited (market capitalization of over A\$300 million) recently announced drilling hits of 107 meters at 1.34% Li₂O from 2.3 meters (AD-22-005) at their Adina Project. Apollo has 17 pegmatite outcrops reported on the tenement package. Given the exceptional results from these neighbouring projects, the Apollo Lithium Project has the potential to be equally successful.

Adina South & Adina West Lithium Project (80%)

The project is situated in close proximity to the Adina discovery, which is owned by Winsome Resources, a Company with a Market Capitalisation of over A\$300m in the market. The Adina Project has produced a visual pegmatite intersection of over 160m in drills, lying beneath outcropping 4.89% Li₂O. Recently, Winsome Resources reported successful drilling results, with AD-22-005 yielding 107m at 1.34% Li₂O from 2.3m at their Adina Project. The Adina South & Adina West Lithium Project boasts one of the largest prospective land holdings near Winsome Resources Limited. Aerial satellite images have revealed similar pegmatite occurrences at the surface.

Margot Lake Lithium Project (80%)

The Margot Lake project is located in north-western Ontario, in the premium lithium mineral district of Ontario's Great Lakes region. The project is situated 16km southeast of Frontier Lithium's (TSX-V: FL) PAK Deposit, which contains 9.3Mt at 2.0% Li₂O, and 18km away from Frontier's Spark Deposit, which contains 32.5Mt at 1.4% Li₂O. The tenement contains nine confirmed and mapped pegmatites and is located in a highly competitive district due to recent major discoveries of lithium. Frontier Lithium, with a market capitalization more than CAD\$450 million, is a significant player in the region.

Lefroy Lithium Project (100%)

Lefroy is in the mineral-rich Goldfields region of Western Australia. This strategically located project is in close proximity to the Bald Hill Lithium Mine, which has a top-quality spodumene concentrate with low levels of mica and iron, as well as significant tantalum by-product production. The Bald Hill mine has a resource of 26.5 million tonnes at 1.00% Li₂O. The Lefroy project is also located near the Mt. Marion Lithium Mine, which is owned by Mineral Resources and has a market capitalization of A\$17B. Mt. Marion produces 900,000 tonnes of mixed-grade spodumene concentrate annually and is approximately 60 kilometres from the Lefroy project.

Voyager Rare Earth Project (80%)

The Voyager project is north tenements are positioned between ABx Group tenures, where clay-hosted rare earth elements (REE) and niobium have been discovered and hold resources of 27Mt. These areas are analogous with Ionic Adsorption Clay (IAC) deposits that have produced REE in southern China using simple leaching. ABx stated that early testwork indications show their rare earth elements are easily leached and could be concentrated at low cost, with no deleterious elements. Geological mapping of Voyager's tenures indicates the presence of various areas of clay and bauxite, which is the ideal geological environment for the occurrence of rare earth elements.