Rock Tech Advances Georgia Lake Lithium Project, Identifies Potential Pathway to Reduce Processing CAPEX by Up to 50 per cent

19.05.2026 | CNW

Optical sorting test works, co-financed through Ontario Critical Minerals Innovation Fund, identifies a potential pathway project efficiency and lower capital and operating costs

Key program highlights include:

- Ontario's Critical Minerals Processing Fund ("CMIF") helped demonstrate potential to unlock real value at the Geo Project.
- Collaboration with Queen's University and STARK Resources demonstrated the effectiveness of government, ind research partnership.
- Ore-sorting test work removed approximately 25 to 45 per cent of waste material before downstream processing.
- The upgraded material stream improved ore quality by approximately 1.4x to 1.8x[1].
- Early engineering work identified a potential pathway to materially reduce future crushing and concentrator capita to 50 per cent[1].
- The Georgia Lake Project further supports Rock Tech's broader Ontario mine-to-converter strategy alongside the Rock Converter.

[1] Based on preliminary test work on representative Georgia Lake material and subject to further engineering, validation and integration into future technical studies.

Rock Tech Lithium Inc. (TSXV: RCK) (OTCQX: RCKTF) (FWB: RJIB) (WKN: A1XF0V) (the "Company" or "Rock Tech" to announce the successful completion of its Ontario Critical Minerals Innovation Fund supported ore-sorting program f Georgia Lake Lithium Project ("the Project") in Northern Ontario. The Project is part of Rock Tech's broader Ontario mine-to-converter strategy and, alongside the planned Red Rock Converter, supports the development of a domestic, made-in-Canada sovereign defence and battery materials supply chain.

Completed in partnership with Queen's University and STARK Resources, the ore sorting program evaluated UV Laser sorting from Optimum N.V. and X-ray Transmission ("XRT") sensor-based sorting from allmineral Aufbereitungstechnik Co. KG for the pre-concentration of mineralized material from the Project (refer to Press Release - Rock Tech Lithium R $388,074 in Funding from Ontario's Critical Minerals Innovation Fund, dated June 23, 2025).

Test work was conducted on two sample sets: selected drill core used to establish and calibrate sorting algorithms, and surface-derived sample used for small-scale testing. Testing was completed under controlled conditions at both ore sor facilities using pilot-scale equipment.

The program indicates a pathway to improve process efficiency and reduce future capital and operating costs, which, if could strengthen the long-term competitiveness of the Project and support a more resilient Ontario critical minerals sup

The results provide a foundation to restart key Georgia Lake development activities, including drilling, additional cost-op engineering, and workstreams that support a future Definitive Feasibility Study.

"These results demonstrate how government, industry and research partnerships produce innovation that can directly s the economics and competitiveness of strategically important critical minerals projects," said Mirco Wojnarowicz, CEO Tech. "Backed by the Ontario government's investment through the CMIF, our work positions Georgia Lake to be more competitive through lithium price cycles and supports Rock Tech's broader integrated lithium strategy in Northern Ontar can help bolster economic security and long-term defence readiness through the development of a made-in-Canada cri minerals supply chain."

Government-Industry-Research Partnership Unlocks Ontario Critical Minerals Innovation

With support from the Ontario government, through the Critical Minerals Innovation Fund, Rock Tech worked with Quee University and STARK Resources, a Germany-based specialist in sensor-based ore sorting and mineral processing tec evaluate practical technologies that improve processing efficiency, reduce waste, strengthen the long-term competitiver Project, and support Ontario's efforts to build a more resilient domestic critical minerals supply chain.

"The Critical Minerals Processing Lab is proud to have collaborated with Rock Tech Lithium and Stark Resources on th project, which advanced our understanding of lithium mineral processing characteristics and contributed to the advance Georgia Lake project" said Charlotte Gibson, Assistant Professor & Associate Head for Robert M Buchan Department o "This innovative process development work was made possible through the support of the CMIF, whose investment is l critical minerals processing innovation and strengthen Ontario's critical minerals value chain."

Advancing the Next Phase of Development at the Georgia Lake Lithium Project

The results arrive at an important moment for Ontario's critical minerals sector. While lithium markets have experienced volatility, governments and industry across North America and Europe continue to move aggressively to secure regiona and critical minerals supply chains.

The Project was the subject of a 2022 Pre-Feasibility Study, which outlined a conventional mine and concentrator deve concept based on a 1.0 million tonne per year concentrator. The 2022 PFS contemplated a 9-year mine life, targeted p approximately 100,000 tonnes per year of 6% spodumene concentrate, and an Indicated Mineral Resource of approxim million tonnes at 0.88 per cent Li₂O and an Inferred Mineral Resource of approximately 4.2 million tonnes at 1.0 Li₂O.

The PFS estimated a pre-tax NPV of USD$223 million, an after-tax NPV of USD$146 million, a pre-tax IRR of 47.8 per after-tax IRR of 35.6%, based on an average life-of-mine SC6 price of USD$1,500 per tonne. The PFS also estimated pre-production capital costs of USD$192 million, life-of-project capital costs of USD$291 million, total life-of-project ope of USD$536 million, and AISC of USD$1,082 per tonne of concentrate (see Press Release - Rock Tech Lithium comple Pre-Feasibility Study for its Georgia Lake Project dated November 16, 2022).

Against this PFS baseline, the CMIF-supported ore sorting results indicate a potential pathway to further improve proje economics in future technical studies. The observed 1.4x to 1.8x upgrade factor means that sorted material can carry m higher lithium grade into downstream processing than the original feed stream, improving concentrator efficiency and p allowing lower-grade material to be considered in future mine planning scenarios.

Similarly, the potential to reduce crushing and concentrator plant capital costs by up to 50 per cent is expected to be dr combination of ore sorting and plant specification optimization, providing an opportunity to optimize overall plant design confirmed through further engineering and study work, this could materially improve the capital intensity and investmen the next phase of Georgia Lake development.

As part of this renewed focus, Rock Tech has begun preparations for a potential future drilling program and the next ph technical studies, including workstreams that could support a Definitive Feasibility Study. These activities would be des support resource growth, improve geological confidence, and provide additional data for future mine planning and proje development work.

Supporting Rock Tech's Ontario Mine-to-Converter Strategy

The successful completion of the CMIF-supported ore sorting program strengthens this strategy by indicating a potentia improve the cost structure and development flexibility of the Project. By reducing the amount of waste material process the concentrator, ore sorting may support lower operating costs, improve processing efficiency, and provide greater opt future mine planning and throughput scenarios.

"Georgia Lake remains foundational to Rock Tech's Ontario strategy," said Dirk Harbecke, Chairman of Rock Tech. "Th strengthen the project's long-term economics and profitability and reinforce the strategic importance of an integrated lith chain in Ontario. As North America and Europe work to secure reliable sources of critical minerals, projects like Georgia

the Red Rock Converter become increasingly important pieces of allied industrial infrastructure."

Next Steps

Building on the successful outcomes of the program, Rock Tech expects that a future value engineering phase would e combined impact of ore sorting integration, plant design optimization, and alternative execution strategies across the cr plant, concentrator plant, and related infrastructure. The results of the CMIF-supported program are conceptual in natu not define final economic outcomes, mineral reserve estimates, or plant-scale design changes. Any potential impact on costs, operating costs, project economics, mineral reserves, or development plans will require further engineering, feas studies, and appropriate technical disclosure.

Ontario Innovation Supporting a Stronger Critical Minerals Supply Chain

"Ontario is building a made-in-Canada critical minerals supply chain that creates jobs, strengthens our economic securi reduces our reliance on foreign adversaries," said Stephen Lecce, Minister of Energy and Mines. "Through the Critical I Innovation Fund, our government is backing Ontario innovation that lowers costs, unlocks investment, and accelerates mining development in the North. The success of this project shows how Ontario can lead the world in critical minerals, materials, and the technologies that will power the future."

Qualified Persons

The technical content of this press release has been reviewed and approved by Cameron Andrews, P.Eng., General M Canada for Rock Tech Lithium, and Dian Heinrich Page, Pr. Sci. Nat., Principal Consultant - Geology for STARK Resou independent Qualified Person, each of whom is a Qualified Person as defined by National Instrument 43-101 - Standar Disclosure for Mineral Projects. Mr. Cameron Andrews, P.Eng. has reviewed and approved the portions of this news re relating to the 2022 Pre-Feasibility Study on Georgia Lake Project, Mr. Dian Heinrich Page, Pr. Sci. Nat., has reviewed approved the portions relating to the CMIF ore sorting project and value engineering.

The ore-sorting test work results described above are preliminary in nature and based on limited-scale testing. These re not been incorporated into any current mineral resource or reserve estimate or pre-feasibility or feasibility study, and do represent defined economic outcomes.

Mineral resources disclosed in this news release that are not mineral reserves do not have demonstrated economic via

On behalf of the Management
Mirco Wojnarowicz
CEO, Rock Tech Lithium Inc.

ABOUT ROCK TECH LITHIUM

Rock Tech is enabling the battery age by making the battery industries in Europe and North America more independen competitive. The Company's goal is to ensure the supply of high-quality, locally produced lithium - supporting a resilient sustainable, and transparent value chain from mine to battery-grade material.

Rock Tech relies on responsible sourcing, state-of-the-art and proven technologies, and a clear focus on circular econo principles. The Company's lithium converter projects in Guben, Germany (24,000 tonnes LHM per year) and Ontario, C to 32,000 tonnes LCE per year) form the foundation for a stable and regional supply to the battery and automotive indu Guben converter has been recognized as a Strategic Project under the EU Critical Raw Materials Act.

The raw materials for Rock Tech's converter projects are sourced exclusively from verifiably ESG-compliant suppliers. Rock Tech relies, among other sources, on its wholly-owned Georgia Lake Project, which ensures a stable and sustain for the North American market and is being developed in close partnership with local Indigenous communities. By integ recycled materials, the company aims to close the local battery loop.

With its facilities, Rock Tech makes a central contribution to battery-grade material sovereignty and the achievement of

targets. The company works in partnership with industry, policymakers, and community groups, and is committed to op
communication and the highest environmental standards.

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING INFORMATION:

Certain statements contained in this news release constitute "forward-looking information" under applicable securities la
referred to herein as "forward-looking statements". All statements, other than statements of historical fact, which addres
results, outcomes or developments that the Company expects to occur are forward-looking statements. When used in t
release, words such as "expects", "anticipates", "plans", "predicts", "believes", "estimates", "intends", "targets", "project
"forecasts", "may", "will", "should", "would", "could" or negative versions thereof and other similar expressions are inten
identify forward-looking statements. In particular, this news release contains forward-looking information relating to, am
things: the potential integration of ore-sorting technology into the Georgia Lake Lithium Project; the anticipated benefits
ore-sorting program, including potential improvements in process efficiency, reduction of waste material, reductions in f
and operating costs and the identified pathway to reductions of up to 50 per cent; the potential impact of ore-sorting on
design, plant configuration, throughput, and mine planning; the advancement of the Georgia Lake Lithium Project, inclu
drilling programs, engineering studies and other workstreams; the potential preparation and timing of a Definitive Feasi
the Company's ability to improve project economics and capital intensity; and the Company's broader Ontario mine-to-c
strategy and related development plans.

Forward‑looking information is based on management's reasonable assumptions, estimates, expectations and o
of the date of this news release. Such assumptions include, without limitation: that the results of the ore-sorting test wo
representative of the Project's mineralization and can be replicated at scale; that ore-sorting technology can be success
integrated into the Project's process flowsheet and plant design; that the preliminary test work results can be translated
engineering and design optimizations; that anticipated reductions in material throughput to downstream processing circ
support reductions in plant size, equipment requirements and associated capital costs; that the Company will be able to
further engineering, metallurgical test work and drilling activities as planned; that required regulatory, environmental an
approvals will be obtained in a timely manner; that contractors, suppliers and equipment will be available on reasonable
that market conditions, including lithium prices and demand for battery materials, will remain supportive of project devel

Forward-looking information is subject to known and unknown risks, uncertainties, and other factors that may cause ac
to differ materially from those expressed or implied by such statements, including but not limited to, the risk that ore-sor
work results may not be representative of full-scale operations or may not be replicated in future studies; uncertainties r
the scalability and integration of ore-sorting technology into the Project; the risk that further engineering or technical stu
confirm the anticipated reductions in capital or operating costs; the risk that the identified pathway to capital cost reduct
including potential reductions of up to 50 per cent, may not be realized; risks associated with changes in project scope,
assumptions; uncertainties relating to mineral resource estimates and geological continuity; risks relating to further drilli
exploration activities; permitting, regulatory and environmental risks; risks related to availability of financing, cost inflatio
chain constraints and contractor performance; fluctuations in lithium prices and market demand; and general economic
business conditions.

Additional risk factors are discussed in the Company's public disclosure documents available under its profile on SEDA
as may be required by law, Rock Tech undertakes no obligation and expressly disclaims any responsibility to update or
forward-looking information, whether as a result of new information, future events or otherwise.

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