

NEO Battery Materials Collaborates with Elementium Materials Leveraging Advanced Electrolyte Technology

01.04.2025 | [GlobeNewswire](#)

- Collaboration Agreement with Elementium Materials, an Advanced Electrolyte Technology Company
- Using Elementium's Advanced Electrolytes to Enhance NEO's Silicon Battery Platform for Specialty Commercial Battery Cells
 - Specialty Downstream Markets Include Power Tools, Humanoid Robots, Drone/UAV & Aerospace Systems

[NEO Battery Materials Ltd.](#) ("NEO" or the "Company") (TSXV: NBM) (OTC: NBMFF), a low-cost silicon anode materials developer that enables longer-running, rapid-charging lithium-ion batteries, is pleased to enter into a collaboration agreement (the "Agreement") with Elementium Materials Inc. ("Elementium"), an advanced battery electrolyte technology company, on March 31, 2025.

As one of the four core battery components, electrolytes serve as the medium of transport for lithium ions between the anode and cathode during charging and discharging. While traditional electrolytes face corrosion, oxidation, and toxic gas formation issues, Elementium has engineered advanced electrolyte formulations to enhance battery stability, material robustness, and safety.

Under the terms of the Agreement, NEO will apply Elementium's advanced electrolytes to its silicon battery platform for use in specialty commercial applications. The primary goal for collaboration is to improve electrochemical performance metrics, especially ultra-fast charging and discharging capabilities. This initiative is part of NEO's broader strategy to identify complementary technologies that enable silicon battery integration into a wider range of downstream markets.

Mr. Spencer Huh, CEO & President of NEO, expressed, "High-demand, emerging downstream markets - such as power tools, humanoid robots, drone/UAV, and aerospace systems - require high-specification batteries in which silicon anodes and advanced electrolytes are indispensable components. Through this collaboration, NEO and Elementium are confident to deliver solutions that address these increasingly stringent performance needs."

Dr. Matthew Dawson, CEO of Elementium, commented, "We're seeing strong market demand for high-performance silicon anode batteries. Elementium's next-generation electrolyte unlocks the incredible potential of silicon batteries, and we are pleased to partner with NEO, one of the world's leading silicon anode suppliers."

About Elementium Materials Inc.

Elementium is a leading battery materials company focused on developing and scaling novel electrolyte formulations for advanced lithium-ion chemistries. The company's proprietary non-carbonate electrolytes are engineered to deliver enhanced safety, stability, and compatibility with emerging anode and cathode materials, including silicon, manganese-rich, and high-nickel electrodes. Based in Boston, MA, Elementium partners with leading battery manufacturers and global battery end-users to accelerate the transition to high-performance, cost-effective, domestically manufactured energy storage solutions. For more information, visit www.elementium.io.

Contact:
Matthew Dawson, Ph.D.
CEO, Elementium
Email: info@elementium.io

About NEO Battery Materials Ltd.

NEO Battery Materials is a Canadian battery materials technology company focused on developing silicon anode materials for lithium-ion batteries in electric vehicles, electronics, and energy storage systems. With a patent-protected, low-cost manufacturing process, NEO Battery enables longer-running and ultra-fast charging batteries compared to existing state-of-the-art technologies. The Company aims to be a globally-leading producer of silicon anode materials for the electric vehicle and energy storage industries. For more information, please visit the Company's website at: <https://www.neobatterymaterials.com/>.

On Behalf of the Board of Directors
Spencer Huh
Director, President, and CEO

For Investor Relations, PR & More Information:
info@neobatterymaterials.com
T: +1 (437) 451-7678

This news release includes certain forward-looking statements as well as management's objectives, strategies, beliefs and intentions. All information contained herein that is not clearly historical in nature may constitute forward-looking information. Generally, such forward-looking information can be identified notably by the use of forward-looking terminology such as "plans", "expects" or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "does not anticipate", or "believes", or variations of such words and phrases or state that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved". Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Company to be materially different from those expressed or implied by such forward-looking information, including but not limited to: volatile stock prices; the general global markets and economic conditions; the possibility of write-downs and impairments; the risk associated with the research and development of advanced and battery-related technologies; the risk associated with the effectiveness and feasibility of technologies that have not yet been tested or proven on commercial scale; manufacturing process scale-up risks, including maintaining consistent material quality, production yields, and process reproducibility at a commercial scale; compatibility issues with existing battery chemistries and unforeseen the risks associated with entering into and maintaining collaborations, joint ventures, or partnerships with battery cell manufacturers, original equipment manufacturers, and various companies in the global battery supply chain; the risks associated with the construction, completion, and financing of commercial facilities including the Windsor and South Korean facilities; the risks associated with supply chain disruptions or cost fluctuations in raw materials, processing chemicals, and additive prices, impacting production costs and commercial viability; the risks associated with uninsurable risks arising during the course of research, development and production; competition faced by the Company in securing experienced personnel and financing; access to adequate infrastructure and resources to support battery materials research and development activities; the risks associated with changes in the technology regulatory regime governing the Company; the risks associated with the timely execution of the Company's strategies and business plans; the risks associated with the lithium-ion battery industry's demand and adoption of the Company's silicon anode technology; market adoption and integration challenges, including the difficulty of incorporating silicon anodes within battery manufacturers and OEMs systems; the risks associated with the various environmental and political regulations the Company is subject to; risks related to regulatory and permitting delays; the reliance on key personnel; liquidity risks; the risk of litigation; risk management; and other risk factors as identified in the Company's recent Financial Statements and MD&A and in recent securities filings for the Company which are available on www.sedarplus.ca. Forward-looking information is based on assumptions management believes to be reasonable at the time such statements are made, including but not limited to, continued R&D and commercialization activities, no material adverse change in precursor prices, development and commercialization plans to proceed in accordance with plans and such plans to achieve their stated expected outcomes, receipt of required regulatory approvals, and such other assumptions and factors as set out herein. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in the forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such forward-looking information. Such forward-looking information has been provided for the purpose of assisting investors in understanding the Company's business, operations, research and development, and commercialization plans and may not be appropriate for other purposes. Accordingly, readers should not place undue reliance on forward-looking information. Forward-looking information is made as of the date of this presentation, and the Company does not undertake to update such forward-looking information except in accordance with applicable securities laws.

Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

Dieser Artikel stammt von [Rohstoff-Welt.de](https://www.rohstoff-welt.de)

Die URL für diesen Artikel lautet:

<https://www.rohstoff-welt.de/news/687499--NEO-Battery-Materials-Collaborates-with-Elementium-Materials-Leveraging-Advanced-Electrolyte-Technology.html>

Für den Inhalt des Beitrages ist allein der Autor verantwortlich bzw. die aufgeführte Quelle. Bild- oder Filmrechte liegen beim Autor/Quelle bzw. bei der vom ihm benannten Quelle. Bei Übersetzungen können Fehler nicht ausgeschlossen werden. Der vertretene Standpunkt eines Autors spiegelt generell nicht die Meinung des Webseiten-Betreibers wieder. Mittels der Veröffentlichung will dieser lediglich ein pluralistisches Meinungsbild darstellen. Direkte oder indirekte Aussagen in einem Beitrag stellen keinerlei Aufforderung zum Kauf-/Verkauf von Wertpapieren dar. Wir wehren uns gegen jede Form von Hass, Diskriminierung und Verletzung der Menschenwürde. Beachten Sie bitte auch unsere [AGB/Disclaimer!](#)

Die Reproduktion, Modifikation oder Verwendung der Inhalte ganz oder teilweise ohne schriftliche Genehmigung ist untersagt!
Alle Angaben ohne Gewähr! Copyright © by Rohstoff-Welt.de -1999-2026. Es gelten unsere [AGB](#) und [Datenschutzrichtlinien](#).