



Rain Carbon Canada Inc. and Green Graphite Technologies Inc. Partner on NGen Grant to Develop Sustainable Battery Material Solutions

Partnership aims to establish a circular supply chain for critical battery materials to support Canada's growing zero-emission market.

Hamilton, Canada, October 15, 2025 – Rain Carbon Canada Inc. (RAIN) and Green Graphite Technologies Inc. (GGT) have partnered under the Sustainable Manufacturing Challenge grant from Next Generation Manufacturing Canada (NGen) to advance the development of sustainable graphite anode active materials (GAAMs) for lithium-ion batteries (LiBs). In a collaborative effort to meet rising demand for critical battery materials, the parties will leverage innovative recycling, purification and manufacturing processes to establish a sustainable supply chain for graphite, supporting the industry transformation to electromobility and stationary battery energy storage required for the renewable electricity generation.

Supporting the Transition to a Zero-Emission Future

With Canada's zero-emission vehicle fleet projected by Natural Resources Canada to grow from 480,000 units in 2024 to 21 million by 2040¹, the demand for sustainably sourced battery materials is intensifying. Through this initiative, Rain Carbon and GGT aim to contribute to the development of a circular economy for battery materials, reducing dependence on newly mined resources and mitigating environmental impact.

Collaborative Effort to Develop Circular Solutions

Under the terms of the grant, Rain Carbon will lead the conversion of feedstock materials through its LIONCOAT® carbon precursor materials and application process technology, which enhances the performance characteristics of the graphite for LiB applications. GGT will contribute its proprietary GraphPure™ and GraphRenew™ purification technologies, ensuring the resulting GAAMs meet the purity standards required for battery manufacturing.

The RAIN Technology Innovation Center at Rain Carbon's Hamilton, Ontario location will serve as the primary base for pilot-scale production and testing. The facility is equipped with a demonstration plant for material conversion, an advanced analytical lab for evaluating powder materials, and an application lab for assessing battery cell performance. GGT will utilize its pilot facilities in Kingston, Ontario, and Montreal, Quebec, to support the purification activities and will also utilize its planned larger-scale demo facility in Mississauga Ontario to produce larger quantities in 2026.

Expected Impacts by 2030

The partnership's goals align with NGen's mission to drive economic growth through sustainable, circular, and innovative manufacturing processes in Canada. By 2030, the project could result in two new graphite product lines, developed through manufacturing processes designed to reduce process waste, increase production efficiency and reduce carbon footprint. The initiative is also anticipated to generate new intellectual property and technical expertise. The project aims to build a sustainable Canadian battery supply chain and to create new direct and indirect employment opportunities across the battery materials sector.

¹ <https://natural-resources.canada.ca/energy-efficiency/transportation-alternative-fuels/resource-library/electric-vehicle-charging-infrastructure-for-canada/25756>

About Rain Carbon

Rain Carbon Canada Inc. is a wholly owned subsidiary of Rain Carbon Inc., a company with headquarters in Dover, Delaware, USA. Rain Carbon is a global, vertically integrated supplier of a diversified portfolio of carbon-based and chemical products that are essential raw materials for staples of everyday life. RAIN's LIONCOAT® battery-grade carbon precursor materials are world-wide used ingredients for graphite and silicon-carbon composite materials used in lithium-ion batteries.

Learn more about Rain Carbon's innovative technical product solutions at www.raincarbon.com

About Green Graphite Technologies Inc.

Green Graphite Technologies Inc. (GGT), headquartered in Montreal with pilot operations in Kingston, ON and Montreal, QC, is commercializing its patented purification technology to produce battery-grade graphite from mined and recycled sources to address the urgent need to onshore supply for North American lithium-ion battery manufacturers (i.e. gigafactories). With 50% lower operating costs compared to traditional methods and an 82% reduction in carbon footprint versus China-produced anode active materials, GGT's technology is poised to enable the cost-effective and sustainable onshoring of midstream processing of this critical mineral. Following successful piloting, GGT will be starting up the first phase of its technology demonstration in Q1 2026 in Ontario. GGT plans to establish its first commercial lithium-ion battery grade graphite plant operational in 2029. For more information, please visit our website at <https://greengraphitetechnology.com/> or follow us on LinkedIn. For more information, please visit our website at <https://greengraphitetechnology.com/> or follow us on [LinkedIn](#).

Forward-Looking Statements

This press release contains certain forward-looking information and forward-looking statements as defined in applicable securities laws (collectively referred to as "forward-looking statements"). Forward-looking statements include the Sustainable Manufacturing Challenge grant from NGen and its anticipated economic benefits. Forward-looking statements involve known and unknown risks, uncertainties and other factors, which may cause the actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Factors that may cause actual results to vary include, but are not limited to, the outcome of collaborative research project stated above. Readers are cautioned against unduly relying on forward-looking statements. Forward-looking statements are made as of the date of the relevant document and, except as required by law, the parties herein undertake no obligation to update publicly or otherwise revise any forward-looking statements, whether as a result of new information or future events or otherwise.