

# First Phosphate Positioned to Power America's Automated Manufacturing Revival with Secure, Domestic LFP Battery Material Supply Chain

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Saguenay, April 15, 2025 - [First Phosphate Corp.](#) (CSE: PHOS) (OTCQB: FRSPF) (FSE: KD0) ("First Phosphate" or the "Company") highlights its strategic role in driving the onshoring of American manufacturing by supplying the domestic Lithium Iron Phosphate (LFP) battery materials essential to factory automation and robotics.

The resurgence of American manufacturing hinges on robotics, factory automation, and grid-scale energy storage-technologies powered by LFP batteries. These phosphate-based batteries are favored for their safety, longevity, scalability, and are rapidly becoming the global standard in industrial automation. This technological transition, fueled by national trade and security policies, is expected by many to ignite a new industrial revolution in the United States.

The demand for industrial automation is expected to reach USD \$307.7 billion in 2030. About 60% of all occupations could automate at least 30% of their tasks and boost global productivity by 1.5% annually creating 6 million jobs (Convergix).

Yet, a critical vulnerability threatens this momentum: the LFP battery supply chain is heavily concentrated in China. Ongoing geopolitical tensions, including recently proposed U.S. tariffs of up to 125% on imports from China and potential Chinese export restrictions on LFP technology and rare earth materials, place America's manufacturing future at risk.

First Phosphate provides a direct and domestic solution. The Company has been actively building a North American LFP ecosystem, vertically integrated from mine to battery-grade material, to ensure supply chain security, transparency, and sovereignty.

"America stands at the cusp of a manufacturing revival driven by AI, robotics, and energy storage," said John Passalacqua, CEO of First Phosphate. "However, this future hinges on one critical factor: reliable, domestically sourced LFP battery material. First Phosphate reiterates its strategic role in supporting the future of American manufacturing and energy security."

## First Phosphate Strategic Advantages

- **High-Purity Phosphate Resource**  
The Company holds over 1,000 sq. km of rare, high-purity igneous phosphate claims in Quebec, capable of supporting over 350 GWh of LFP battery production annually. Its phosphate ore is amongst the purest in the world and is naturally low in deleterious elements and can be mined without solvents.
- **Advanced Processing**  
First Phosphate's high-purity phosphate ore can be fully and sustainably refined into battery-grade material without generating gypsum slag piles, a common byproduct when processing lower grade and lower yielding phosphate ores.
- **Full Vertical Integration**  
The Company is uniquely positioned to manage the full value chain-from mining to phosphate processing to LFP cathode active material (CAM) production-ensuring supply traceability, quality control, and supply security.

- **Strategic Location & Infrastructure**  
Located in the industrial hub of Saguenay-Lac-Saint-Jean, Quebec, operations benefit from a skilled workforce, regional airport, deep-sea port to global markets, and rail access to North American markets.
- **Strong Partnerships**  
First Phosphate is co-developing its supply chain with major partners in the phosphate, iron and LFP battery supply chain, and has established collaborative agreements with local industrial and Indigenous communities.
- **Advanced Development Milestones**  
Achievements include a NI 43-101 Technical Report, Preliminary Economic Assessment (PEA), and pilot plants for mineralogy/metallurgy, phosphoric acid, gypsum valorization, and iron powder. Phosphoric acid plant prefeasibility study completed as well as iron phosphate plant feasibility study. Upstream and downstream offtake agreements in place.

### Phosphate-based LFP Batteries to Power Industrial Automation

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By securing a reliable domestic LFP battery supply chain, First Phosphate aims to empower North American manufacturers to reduce dependence on foreign materials and to lead the next generation of automated, robotic supply chains with confidence.

### About First Phosphate Corp.

First Phosphate (CSE: PHOS) (OTCQB: FRSPF) (FSE: KD0) is a mineral development company dedicated to producing high-purity phosphate for the LFP battery industry. The Company is committed to sustainable extraction and purification with a low anticipated carbon footprint. Its vertically integrated model connects phosphate mining directly into the supply chains of North American battery producers. First Phosphate's flagship project, the Bégin-Lamarche Property in Saguenay-Lac-Saint-Jean, Quebec, contains rare igneous anorthosite rock that yields high-purity phosphate with minimal impurities.

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This news release contains certain statements and information that may be considered "forward-looking statements" and "forward-looking information" within the meaning of applicable securities laws. In some cases, but not necessarily in all cases, forward-looking statements and forward-looking information can be identified by the use of forward-looking terminology such as "plans", "targets", "expects" or "does not expect", "is expected", "an opportunity exists", "is positioned", "estimates", "intends", "assumes",

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These statements and other forward-looking information are based on assumptions and estimates that the Company believes are appropriate and reasonable in the circumstances, which may prove to be incorrect, include, but are not limited to, the various assumptions set forth herein and in the Company's public disclosure record including the short form base prospectus dated June 5, 2024, as well as: there being no significant disruptions affecting the activities of the Company or inability to access required project inputs; permitting and development of the projects being consistent with the Company's expectations; the accuracy of the current mineral resource estimates for the Company and results of metallurgical testing; certain price assumptions for  $P_2O_5$  and  $Fe_2O_3$ ; inflation and prices for Company project inputs being approximately consistent with anticipated levels; the Company's relationship with First Nations and other Indigenous parties remaining consistent with the Company's expectations; the Company's relationship with other third party partners and suppliers remaining consistent with the Company's expectations; and government relations and actions being consistent with Company expectations.

There can be no assurance that such statements will prove to be accurate, and actual results and future events could differ materially from those anticipated in such statements. There can be no assurance that any opportunity will be successful, commercially viable, completed on time or on budget, or will generate any meaningful revenues, savings or earnings, as the case may be, for the Company. In addition, the Company will incur costs in pursuing any particular opportunity, which may be significant. These factors and assumptions are not intended to represent a complete list of the factors and assumptions that could affect the Company and, though they should be considered carefully, should be considered in conjunction with the risk factors described in the Company's other documents filed with the Canadian and United States securities authorities, including without limitation the "Risk Factors" section of the Company's Management Discussion and Analysis dated January 29, 2025 and Annual Report on 20-F dated July 8, 2024, which are available on SEDAR at [www.sedarplus.ca](http://www.sedarplus.ca). Although the Company has attempted to identify factors that would cause actual actions, events or results to differ materially from those disclosed in the forward-looking information or information, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. The Company does not undertake to update any forward-looking information, except in accordance with applicable securities laws.

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