

Epsilon CAM and C4V announce strategic LOI to Advance LFP and BMLMP Cathode Materials for North American Battery Manufacturing

Collaboration will focus on joint development pathways, material qualification and potential future supply arrangements for advanced battery cell applications

DETROIT, October 13, 2026 — Epsilon CAM GmbH (“Epsilon CAM”), a manufacturer of battery cathode active materials, and C4V LLC (“C4V”), the sister company behind the U.S. battery cell manufacturing platform Near Prime Technologies, today announced that they have entered into a Letter of Intent (LOI) to evaluate and qualify Epsilon CAM’s lithium iron phosphate (LFP) and bio-mineralized lithium mixed metal phosphate (BMLMP) cathode active materials.

The collaboration creates a framework for both companies to advance material development and cell-level qualification activities, while exploring potential long-term commercial, technology and supply-chain opportunities supporting North American battery manufacturing.

Under this LOI, Epsilon CAM will provide LFP and LMFP material samples, technical documentation and engineering support for evaluation by C4V. The qualification program is expected to include electrochemical performance validation, cell development and optimization, pilot-scale assessment, safety and cycle-life testing, process compatibility evaluation and scale-up feasibility studies. LMFP qualification activities between the parties are already underway.

Subject to successful qualification, commercial alignment and definitive agreements, the companies intend to explore potential multi-year supply and offtake arrangements. They will also evaluate pathways to combine Epsilon CAM’s LFP and LMFP material capabilities with C4V’s proprietary BMLMP and BM-modified LFP technology platforms.

“This LOI brings together complementary capabilities across cathode materials, cell technology and manufacturing,” **said Vikram Handa, Managing Director, Epsilon CAM.** “Our focus is to demonstrate material performance at the cell level and to work with C4V toward scalable, high-quality LFP and LMFP solutions that address the evolving needs of battery manufacturers and automotive customers.”

The companies plan to assess a phased technical approach. Initially, they will evaluate whether Epsilon CAM’s LFP or LMFP materials can be further processed using C4V’s proprietary technology pathway. Subject to technical and commercial progress, they may subsequently explore deeper integration approaches within Epsilon CAM’s current or future manufacturing infrastructure.

“Epsilon is helping address one of the most important gaps in the U.S. battery supply chain: reliable access to scalable, ex-China phosphate cathode active materials,” **said Dr. Shailesh Upreti, CEO of C4V.** “C4V is currently evaluating Epsilon’s materials through our Digital DNA™ qualification process for potential use across C4V cell platforms and U.S. manufacturing programs at Near Prime. Successful qualifications would create an important pathway connecting advanced cathode materials with C4V battery technology and domestic cell manufacturing.

The LOI also provides for the evaluation of supply-chain strategies for critical inputs, including lithium, manganese and the battery grade phosphorus feedstocks. The parties intend to assess pathways that may support applicable localization objectives, customer qualification requirements and non-FEOC sourcing considerations for North American battery supply chains. The LOI does not create a binding purchase, supply, licensing or manufacturing commitment; any such commitments would be subject to successful qualification and separately executed definitive agreements.

Near Prime Technologies, operating as American Energy, has completed supply chain qualification for its prismatic phosphate cell platform, built on more than 14 years of C4V technology development. Every cell carries a Digital DNA record, a scannable specification that travels with the cell and documents its chemistry, origin and performance even without an internet connection. That traceability now extends upstream to FEOC compliant sourced raw materials, which are being brought into a product line that already holds UL 1973 and UL 9540A certification. Near Prime has signed more than 2 GWh of binding take or pay contracts to deploy FEOC compliant batteries, and the first shipment of its commercial battery system is under way this October. To the best of our knowledge, this makes Near Prime the only American prismatic phosphate cell and technology company that meets FEOC compliance and is shipping commercial residential and C&I products to customers in 2026.

For Epsilon CAM, the collaboration supports a broader commercialization strategy. ECAM's Gen III LFP is progressing through global customer qualification programs, while the company advances plans for a 20,000 TPA cathode active materials facility in India in Phase 1 by 2028. As a non-FEOC/non-PFE manufacturer, ECAM positioned its cathode materials as a non-FEOC/ non-PFE manufacturer to give U.S. cell manufacturers, technology providers and automotive customers a resilient option aligned with localized supply-chain objectives.

About C4V / Near Prime Technologies:

Charge CCCV LLC ("C4V") is a New York-based battery technology company focused on advanced lithium-ion chemistries, cell design, material qualification and manufacturing process technology. Near Prime Technologies ("NPT") DBA American Energy is advancing commercial lithium-ion cell manufacturing in Endicott, New York. Together, C4V and NPT connect advanced battery technologies, qualified material supply chains and U.S.-based cell manufacturing.

About Epsilon Cathode Active Materials (ECAM)

Established in 2023, Epsilon Cathode Active Materials specializes in the development and commercial production of Lithium Iron Phosphate (LFP) Cathode Active Materials. The company's ISO 9001-certified Cathode Technology Centre in Moosburg, Germany has a portfolio of 149 patents in next-generation cathode technologies, a 250-ton commercial demonstration plant, and advanced cell testing capabilities, positioning ECAM as one of the few organizations conducting serious cathode materials R&D at commercial scale.

With its R&D foundation in Germany, ECAM is ready for commercial scale Cathode Active Material facility, with 30,000 tons per annum capacity by 2028 in India. This shows the company's broader commitment to building a resilient, geographically diversified, and sustainable battery materials ecosystem for the global EV and energy storage industries.

For more information, visit www.epsilonam.com/cathode.html

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