

Is the Moroccan LFP Li-ion battery industry ready for takeoff?

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Summary:

This presentation will delve into the opportunities in R&D and the market for the LiFePO₄ cathode industry, specifically in relation to mobility and electrification. Oak Ridge National Laboratory (ORNL) houses the Department of Energy Battery Manufacturing Facility (BMF). Government and industry sponsor innovations in advanced battery materials research, battery manufacturing science and cell prototyping that enable low-cost, high-power, and high-energy, safer and long-life cells capable of fast charging. Being one of the largest open access battery R&D facilities in the United States, the facility houses equipment and instrumentation necessary to research every step in battery manufacturing with an emphasis on advanced materials, electrode formulation chemistry, innovative coating technology, and high-performance electrode architectures. Collaborations across ORNL strengthen battery manufacturing science with state-of-the-art materials characterization, including advanced microscopy and neutron sciences.