



# Lithium-ion battery technology georgia





## Overview

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Chen and his collaborators have crafted an affordable, sustainable battery system combining the  $\text{FeCl}_3$  cathode, a solid electrolyte, and a lithium metal anode, resulting in a cost reduction of 30-40% compared to existing LIBs. The race is on to find safer alternatives to lithium-ion batteries, and a Kennesaw State University researcher is helping lead the way with a new materials approach that could make next-generation batteries more sustainable. The Georgia Tech Research Institute (GTRI) is working to optimize Georgia's EV battery supply chain by developing cost-and. A multi-institutional research team, spearheaded by Hailong Chen at Georgia Tech, has unveiled a groundbreaking cathode material that promises to revolutionize lithium-ion batteries (LIBs), potentially reshaping the electric vehicle (EV) market and large-scale energy storage systems.



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### [Georgia Tech Team Develops Low-Cost Cathode To Transform Lithium-Ion](#)

Chen and his collaborators have crafted an affordable, sustainable battery system combining the FeCl<sub>3</sub> cathode, a solid electrolyte, and a lithium metal anode, resulting in a cost ...

### [Anovian to Bring \\$800M Manufacturing Facility to SW Georgia](#)

The Decatur County facility will produce 44,000+ tons per year of synthetic graphite anode material for lithium-ion batteries and create hundreds of clean-energy jobs.



### [Electric vehicle battery maker coming to Bainbridge, Georgia](#)

A manufacturer of materials for the lithium-ion batteries used to power electric vehicles will invest \$800 million in a plant in Southwest Georgia that will create more than 400 jobs, Gov .

### [Battery Resourcers to Open North America's Largest Lithium](#)

Battery Resourcers offers a fundamentally new approach to lithium-ion battery manufacturing, starting with a mixed stream of used lithium-ion batteries or production scrap and ending with the production ...





### [GTRI Enhancing EV Battery Reuse and Recycling in Georgia](#)

The Georgia Tech Research Institute (GTRI) is working to optimize Georgia's EV battery supply chain by developing cost- and energy-efficient methods to recover materials from spent ...



### [Covington future home to continent's largest lithium-ion battery](#)

With this convenient U.S. location and our technology, we can start to provide a sustainable solution that helps minimize the need for mining and returns valuable, battery-grade ...



### [A Norwegian battery company is building a plant near Atlanta, Georgia](#)

Freyr Battery is developing a manufacturing process for lithium-ion batteries that it says will be less expensive and have less waste than the processes many competitors use. The batteries

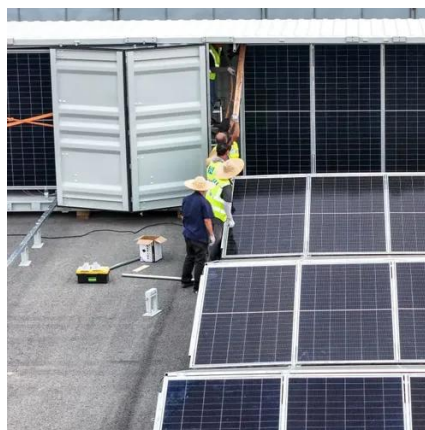


### [Kennesaw State researcher develops](#)



## safer, faster solid-state battery

The race is on to find safer alternatives to lithium-ion batteries, and a Kennesaw State University researcher is helping lead the way with a new materials approach that could make next ...



## \$43M commercial-scale battery recycling facility to open in Georgia

"With this convenient U.S. location and our technology, we can start to provide a sustainable solution that helps minimize the need for mining and returns valuable, battery-grade ...



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