



Technology



The patented technology is an energy technology that uses a colorimetric indicator to detect electrolyte leakage from Lithium Ion batteries. Lithium Ion batteries leak naturally as they age and unnaturally via puncture, exposure to high heat, and impacts to the casing. When leaks happen, they can cause fires, leave harmful residue, have a cascade effect on other batteries, and short circuit electronics. The detection of the technology is highly sensitive, in that it has a limit of detection of $<1\mu\text{L}$ or the size of a pinhead. The technology was invented by The Aerospace Corporation.

In the News

NAS-LIION LLC is the Winner of the 2023 FEDTECH Homeland Security Startup Studio Pitch Competition. The Homeland Security Startup Studio is designed to accelerate and deliver commercial and government applications of technologies to meet homeland security needs, Entrepreneurs work hand-in-hand with lab scientists and inventors to solve the real-world homeland security problems of government and commercial customers.



As the world moves down the path of decarbonization and digitization, the demand for second life lithium-ion batteries in solar energy systems to reduce greenhouse gas emissions and reliance on fossil fuels will continue to skyrocket.