

Which companies recycle batteries?

Explore our in-depth analysis of 81 companies that recycle batteries. This article features a battery recycling companies list - Li-Cycle, Lithion Recycling, AkkuSer, NAWA Technologies, and Duesenfeld. They develop solutions for biological recycling, electrolyte recovery, direct recycling of cathodes & more!

Why do companies need a battery recycling solution?

When batteries are disposed after use, expensive elements stored in battery structures can be wasted. The use of recycling solutions for various batteries can help companies recover important metals and materials, such as lead, zinc, and nickel. This is a key factor driving demand for recycling solutions for various batteries across regions.

Who is American battery technology company?

American Battery Technology Company champions environmental and ethical sourcing of critical battery materials. Lithion Recycling is a Company that allows environmentally responsible and economically viable management of lithium-ion batteries. Electra is an ESG-focused battery materials company advancing the only fully integrated.

What is battery solutions?

Battery Solutions is a prominent company that offers various battery solutions such as packs, cells, and molds. It uses suitable cell chemistry to develop an ideal module and pack the battery structure. The company majorly provides lithium battery packs for electric vehicles (EVs).

How Gropher resource can help recycle batteries?

Prominent companies, such as Gropher Resource, offering battery solutions are developing natural techniques for recycling various batteries that help them segregate non-conforming chemistries. The use of natural technology solutions can help reduce wastage and pollution generated during the recycling process.

How many battery recycling companies are there?

We analyzed 81 Battery Recycling Companies. Li-Cycle, Lithion Recycling, AkkuSer, NAWA Technologies & Duesenfeld develop 5 top solutions!

These startups develop new battery recycling technologies such as direct cathode recycling, hydrothermal processing, automated disassembly, closed-loop electrolyte recovery, ultrasonic separation, AI-driven sorting for lithium extraction, selective electrodeposition.

Table S1 summarizes the recycling processes adopted by major battery recycling companies around the world in recent years. Major LIBs recycling companies in Europe and the United States have gradually transformed from pyrometallurgy to a combined process of mechanical treatment and hydrometallurgy. However, Asian

countries such as China, ...

The Jereh lithium-ion battery recycling equipment provides a safer, more eco-friendly, efficient and economical experience within your battery recycling process. Designed to address the issues of inadequate sorting efficacy and low recovery rate of battery powder in existing technologies, the machine enhances the recycling efficiency of lithium ...

Battery Pollution Technologies is at the forefront of advancing safety, transportation, and logistics solutions to deal with lithium-ion battery waste. Through cutting-edge innovations, including advanced Fire Suppression materials and AI-driven Safe Transportation Units we aim to redefine safe Lithium-ion battery handling.

Emphasize the treatment of cathode materials, including two traditional recycling methods hydrometallurgy and pyrometallurgy as well as five new direct regeneration technologies and the application of cathode materials in non-battery fields. This work is expected to systematically demonstrate the treatment of S-LIBs and is of great significance for the ...

Battery Pollution Technologies is establishing a national circular economy for lithium-ion batteries. Our comprehensive technology encompasses the entire lifecycle, from safe end-of-life ...

Operator of a lithium-ion battery recycling company intended to serve businesses. The company's technology encompasses the entire lifecycle of a battery, from safe end-of-life management to eco-friendly repurposing and novel chemical recovery of critical battery materials, enabling users to create a circular economy for these materials.

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Battery Management Law in Germany; and the Resource Recycling Law in Japan. China has also issued the Technical Specifications of Pollution Control for Treatment of Waste Lead-acid Batteries. These laws and regulations not only require companies to adopt advanced technology to reuse lead grid,

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China's Ministry of Ecology and Environment on August 9 issued the Technical Specification of Pollution

Control for Treatment of Waste Power Lithium-ion Battery (Trial) (HJ 1186--2021; the "Specification") as national ecology and environment standards. It will come into effect on January 1, 2022. Here is an overview of the Specification. Scope. The Specification ...

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The recycling process of highly reactive batteries can result in pollution and wastage. Prominent companies, such as Gropher Resource, offering battery solutions are developing natural techniques for recycling various batteries that help them segregate non-conforming chemistries. The use of natural technology solutions can help reduce wastage ...

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