

Battery Recycling: Global Markets

Market Research Report | 2025-08-21 | 140 pages | BCC Research

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Report description:

Description

Report Scope

The report provides a detailed analysis of the battery recycling market to examine the latest trends and data. The report spans 2024 to 2030: the base year of the analysis is 2024, with 2025 through 2030 serving as the forecast period. The revenue calculated in this report is in \$ million. The market is segmented as follows:

- By chemistry: lead-acid, lithium-ion, nickel and others.
- By source: automotive, industrial, and consumer electronics.
- By process: hydrometallurgical, pyrometallurgical and direct recycling.
- By application: battery remanufacturing, metal refining and others.

Report Includes

- 53 data tables and 57 additional tables
- An overview of the recent advances and analysis of global markets for the battery recycling industry
- In-depth analysis of global market trends, featuring historical revenue data for 2024, and estimated figures for 2025. This analysis includes projections of CAGRs through 2030
- Estimation of the actual market size for battery recycling in dollar value terms, and corresponding market share analysis by battery type (chemistry), source, process, application, and geographic region
- Identification of the fastest-growing applications and technologies, along with a comprehensive review of the current market trends that lead to increasing demand for battery recycling across the world
- Highlights of the key growth drivers and constraints that will shape the market for battery recycling as the basis for projecting demand in the forecast period
- In-depth information on increasing investments in R&D activities, key technology issues, industry-specific challenges, major types of end-user markets
- Market share analysis of the key market participants in the battery recycling industry, along with their research priorities,

product portfolios, global rankings, and company competitive landscape

- Profiles of major companies in industry, including ACE Green Recycling, Ecobat, Fortum, Redwood Materials, and Veolia

Executive Summary

Summary:

The global market for battery recycling is expected to grow from \$12.8 billion in 2025 and is projected to reach \$19.8 billion by the end of 2030, at a compound annual growth rate (CAGR) of 9.2% during the forecast period of 2025 to 2030.

Technological Advances and Applications

Technological advances are transforming battery recycling from a labor-intensive sector to an automated recycling industry through robotics, digital twins and predictive maintenance. Smart sorting and AI-based tracking and recycling systems are further accelerating the integration of technology in the battery recycling industry.

Market Dynamics and Growth Factors

The global market for battery recycling is projected to show a CAGR of 9.2% over the forecast period of 2025 to 2030. Market growth is attributed to the scarcity of rare earth elements; growth in the consumer electronics, EV and data center industries; falling prices of lithium-ion batteries and stricter regulations on emissions. Factors restraining growth include concerns about safety and increased reuse of batteries.

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ACCUREC-RECYCLING GMBH

ACE GREEN RECYCLING INC.

AMERICAN BATTERY TECHNOLOGY CO.

AQUA METALS INC.

ATTERO

ECOBAT

ENERSYS

FORTUM

GOPHER RESOURCE

GRAVITA INDIA LTD.

GUANGDONG BRUNP RECYCLING TECHNOLOGY CO. LTD.

LITHION TECHNOLOGIES

LOHUM

REDWOOD MATERIALS INC.

VEOLIA

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