

Lithium-ion battery recycling Capacity and market outlook 2024

The lithium-ion battery recycling capacity is set to increase to over 10 million tonnes in 2030, exceeding the estimated supply of recyclable material by almost 400%. In Circular Energy Storage's database we now have over 350 companies and 400 facilities listed and profiled including their process technology, infeed material, end-products and commercial affiliations.

In this report we outline our findings from studying the market and its implications on how and where batteries will be recycled. The report provides an in-depth analysis on how the market will be impacted by technology, economics and legislation with coverage of all key markets in the world.

Table of contents

- · Executive Summary
- · Background
- · The status of lithium-ion battery recycling in 2024
- Technology
- Pre-processing
- Material recovery
- · The economics of recycling
- · Legislation with impact on battery recycling

- · Feedstock volume forecast
- · Market analysis
- China
- South Korea, Japan and Southeast Asia
- Europe
- North America
- Rest of the world
- Conclusions
- Methodology

How to access the report

The report is available through a subscription on our webbased platform CES Online and also includes access to our database with profiles of all researched recycling companies.

With CES Online users also get access to:

- Battery volume database (historic and forecast data of batteries being placed on the market, reaching end of life and available for reuse and recycling.
- Prices of used batteries and recoverable material in the different lithium-ion battery chemistries
- Database of companies involved in the reuse and refurbishment of batteries
- · Reports covering updates of volumes and prices
- News about players in the global lithium-ion battery reuse and recycling market

