

Transportation Battery Recycling Market By Chemistry (Lead-Acid Battery, Lithium-Based Battery, Nickel-Based Battery, Others), By Source (Automotive Batteries, Industrial Batteries, Consumer and Electronic Appliance Batteries): Global Opportunity Analysis and Industry Forecast, 2021-2030

Market Report | 2022-07-01 | 270 pages | Allied Market Research

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Report description:

The global transportation battery recycling market is envisioned to garner \$9,947.5 million by 2030, growing from \$4,748.3 million in 2021 at a CAGR of 8.2% from 2022 to 2030.

The recycling transportation battery market is expanding as people across the globe are becoming more aware regarding electric vehicles. Using Electric Vehicle (EV) is more affordable than fuel-based vehicles, due to increasing fuel prices daily. The Government of India has also been taking various initiatives and developing several programs to promote EVs.

Fossil fuels are derived from nature and used to power vehicles. Its cost has gone up since there is a great demand for them and has a limited supply. Electric vehicles using batteries as power sources are a better alternative to fuel based vehicles. More consumers are preferring electric and hybrid vehicles over those that rely on fossil fuels as a result of the global increase in gasoline prices. Battery recycling providers may see an increase in demand as a result of this. For instance, the Indian Government has released draft recommendations on battery waste management to prevent incorrect handling and treatment of Lithium-Ion Batteries (LIBs). In accordance with these recommendations, manufacturers would be mandated to collect, store, transport, recycle, and dispose used batteries. This is known as Extended Producer Responsibility (EPR). Additionally, the Government of India offers financial incentives to promote LIB recycling investments.

Poor lithium separation, flawed disassembly, and ineffective shredding are predicted to hamper revenue growth of the battery recycling market during the projection period. Prevalent growth of second-life battery recycling could be hampered by high battery refurbishing expenses (including transaction and collection charges) as well as questions over the quality, safety, and remaining lifetime of batteries sent for refurbishment.

The lithium-based battery is currently the best alternative out of all the battery technologies now in use. These batteries have an

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eight to ten-year shelf life, but once their ability to generate energy drops below 80%, they are no longer appropriate for use in EVs. On the other hand, these batteries can still be used in stationary applications such as for storing renewable energy. Several sectors across the globe were impacted due to the COVID-19 pandemic. Additionally, stay-at-home orders and closure of manufacturing and recycling facilities has affected the battery recycling sector. The recycling of batteries is a capital-intensive sector that requires a lot of finance, labor, and investment. However, the pandemic's impact on the economy has led to higher unemployment and decreased consumer spending. Governments of various countries such as India, U.S., and others shifted their funding to healthcare functions. Which had an effect on all the industries including the battery recycling industry. Additionally, there were delays in the battery recycling supply chain as a result of the travel and import-export restrictions, which significantly hampered viability of non-renewable and environmentally hazardous materials such as lead, cobalt, and lithium. During the pandemic, these variables had a major impact on the battery recycling market revenue growth.

The key players profiled in this report include Call2Recycle, Inc., Battery Solutions, LLC, Exide Technologies, Umicore, Contemporary Amperex Technology Co., Limited, ENERSYS, GEM Co., Ltd., Johnson Controls, Fortum, and Aqua Metals, Inc.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the transportation battery recycling market analysis from 2021 to 2030 to identify the prevailing transportation battery recycling market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the transportation battery recycling market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global transportation battery recycling market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Chemistry

- Lead-Acid Battery
- Lithium-Based Battery
- Nickel-Based Battery
- Others

By Source

- Automotive Batteries
- Industrial Batteries
- Consumer and Electronic Appliance Batteries

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- U.K.
- France
- Spain
- Italy

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- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Australia
- Rest Of Asia Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- Call2Recycle, Inc.
- battery solutions, llc
- ECOBAT Logistics
- Gopher Resource
- Contemporary Amperex Technology Co., Limited
- EnerSys
- GEM Co., Ltd.
- Fortum
- Aqua Metals, Inc.
- umicore

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