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Global Battery Materials Recycling Market Size study & Forecast, by Material (Iron, Manganese, Nickel, Lithium, Cobalt, Lead, Electrolytes, Plastics, Others), by End User (Automotive, Consumer Goods & Electronics, Building & Construction, Aerospace & Defense, Packaging, Textile Industry, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Battery Materials Recycling Market is valued approximately at USD 28 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 8.5% over the forecast period 2023-2030. Battery materials recycling refers to the process of recovering valuable metals and components from used batteries, such as lithium-ion batteries, in order to reuse or repurpose them. Through various techniques, including physical, chemical, and metallurgical processes, battery materials recycling aims to extract materials such as lithium, cobalt, nickel, and manganese, reducing the reliance on primary raw materials and promoting environmental sustainability in the battery industry. This recycling process contributes to the circular economy by extending the lifespan of batteries, minimizing waste, and conserving valuable resources. The driving factors boosting the market growth are increasing demand for electric vehicles (EVs) and growing investments in recycling infrastructure.

According to Statista, The electric Vehicles market is estimated to witness significant growth, with projected revenue reaching USD 561.30 billion in 2023. It is expected to exhibit a compound annual growth rate (CAGR) of 10.07% from 2023 to 2028, leading to a market volume of approximately USD 906.70 billion by 2028. Furthermore, unit sales of Electric Vehicles are anticipated to reach 17.07 million vehicles by 2028. Moreover, the increasing demand for energy storage systems and advancements in

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battery recycling techniques is expected to create abundant opportunities for the market growth. However, the lack of adequate collection infrastructure for efficient recycling and complexities of battery chemistries stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Battery Materials Recycling Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the advanced recycling infrastructure, stringent environmental regulations and policies that promote sustainable practices, including battery recycling, and strong R&D ecosystem and technological advancements. However, Asia Pacific is expected to be the fastest growing region during the forecast period, owing to factors such as growing electric vehicle market, favorable government policies and initiatives to promote sustainable practices, and rising environmental awareness.

Major market player included in this report are:
Umicore N.V.
Retriev Technologies Inc.
American Manganese Inc.
Li-Cycle Corp.
GEM Co., Ltd.
Glencore International AG
Recupyl S.A
Raw Materials Company Inc.
Neometals Ltd.
Retriev Metals

Recent Developments in the Market:
In May 2022, Li-Cycle has formed a strategic partnership with Glencore, wherein Glencore will provide various types of manufacturing scrap and end-of-life lithium-ion batteries to Li-Cycle for recycling. The partnership includes long-term contracts for the supply and off-take of black mass between the companies.
In February 2022, in 2022, Umicore announced a collaboration agreement with Automotive Cells Company (ACC) to provide battery recycling services. The partnership focuses on meeting the battery recycling requirements of ACC's pilot plant located in Nersac, France.

Global Battery Materials Recycling Market Report Scope:
Historical Data – 2020 - 2021

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Base Year for Estimation – 2022
Forecast period - 2023-2030
Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends
Segments Covered – Material, End User, Region
Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa
Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Material:
Iron
Manganese
Nickel
Lithium
Cobalt
Lead
Electrolytes
Plastics
Others

By End User:
Automotive
Consumer Goods & Electronics
Building & Construction
Aerospace & Defense
Packaging
Textile Industry

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Others

By Region:

North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico

Middle East & Africa
Saudi Arabia
South Africa
Rest of Middle East & Africa

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CHAPTER 8. COMPETITIVE INTELLIGENCE

CHAPTER 9. RESEARCH PROCESS

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