

# **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**

<https://marketpublishers.com/r/GB50A7D3B99EEN.html>

Date: August 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GB50A7D3B99EEN

## **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

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

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

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

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Battery Materials Recycling Market, by region, 2020-2030 (USD Billion)
  - 1.2.2. Battery Materials Recycling Market, by Material, 2020-2030 (USD Billion)
  - 1.2.3. Battery Materials Recycling Market, by End User, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL BATTERY MATERIALS RECYCLING MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL BATTERY MATERIALS RECYCLING MARKET DYNAMICS**

- 3.1. Battery Materials Recycling Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing demand for Electric Vehicles (EVs)
    - 3.1.1.2. Increasing investment in recycling infrastructure
  - 3.1.2. Market Challenges
    - 3.1.2.1. Lack of adequate collection infrastructure for efficient recycling
    - 3.1.2.2. Complexity of battery chemistries
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Increasing demand for energy storage systems
    - 3.1.3.2. Advancements in Battery recycling techniques

### **CHAPTER 4. GLOBAL BATTERY MATERIALS RECYCLING MARKET: INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economic
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL BATTERY MATERIALS RECYCLING MARKET, BY MATERIAL**

- 5.1. Market Snapshot
- 5.2. Global Battery Materials Recycling Market by Material, Performance - Potential Analysis
- 5.3. Global Battery Materials Recycling Market Estimates & Forecasts by Material 2020-2030 (USD Billion)
- 5.4. Battery Materials Recycling Market, Sub Segment Analysis
  - 5.4.1. Iron
  - 5.4.2. Manganese
  - 5.4.3. Nickel
  - 5.4.4. Lithium
  - 5.4.5. Cobalt
  - 5.4.6. Lead
  - 5.4.7. Electrolytes
  - 5.4.8. Plastics
  - 5.4.9. Others

## **CHAPTER 6. GLOBAL BATTERY MATERIALS RECYCLING MARKET, BY END USER**

- 6.1. Market Snapshot
- 6.2. Global Battery Materials Recycling Market by End User, Performance - Potential Analysis
- 6.3. Global Battery Materials Recycling Market Estimates & Forecasts by End User 2020-2030 (USD Billion)
- 6.4. Battery Materials Recycling Market, Sub Segment Analysis
  - 6.4.1. Automotive
  - 6.4.2. Consumer Goods & Electronics
  - 6.4.3. Building & Construction
  - 6.4.4. Aerospace & Defense
  - 6.4.5. Packaging
  - 6.4.6. Textile Industry
  - 6.4.7. Others

## **CHAPTER 7. GLOBAL BATTERY MATERIALS RECYCLING MARKET, REGIONAL ANALYSIS**

- 7.1. Top Leading Countries
- 7.2. Top Emerging Countries
- 7.3. Battery Materials Recycling Market, Regional Market Snapshot
- 7.4. North America Battery Materials Recycling Market
  - 7.4.1. U.S. Battery Materials Recycling Market
    - 7.4.1.1. Material breakdown estimates & forecasts, 2020-2030
    - 7.4.1.2. End User breakdown estimates & forecasts, 2020-2030
  - 7.4.2. Canada Battery Materials Recycling Market
- 7.5. Europe Battery Materials Recycling Market Snapshot
  - 7.5.1. U.K. Battery Materials Recycling Market
  - 7.5.2. Germany Battery Materials Recycling Market
  - 7.5.3. France Battery Materials Recycling Market
  - 7.5.4. Spain Battery Materials Recycling Market
  - 7.5.5. Italy Battery Materials Recycling Market
  - 7.5.6. Rest of Europe Battery Materials Recycling Market
- 7.6. Asia-Pacific Battery Materials Recycling Market Snapshot
  - 7.6.1. China Battery Materials Recycling Market
  - 7.6.2. India Battery Materials Recycling Market

- 7.6.3. Japan Battery Materials Recycling Market
- 7.6.4. Australia Battery Materials Recycling Market
- 7.6.5. South Korea Battery Materials Recycling Market
- 7.6.6. Rest of Asia Pacific Battery Materials Recycling Market
- 7.7. Latin America Battery Materials Recycling Market Snapshot
  - 7.7.1. Brazil Battery Materials Recycling Market
  - 7.7.2. Mexico Battery Materials Recycling Market
- 7.8. Middle East & Africa Battery Materials Recycling Market
  - 7.8.1. Saudi Arabia Battery Materials Recycling Market
  - 7.8.2. South Africa Battery Materials Recycling Market
  - 7.8.3. Rest of Middle East & Africa Battery Materials Recycling Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Company
  - 8.1.2. Company
  - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. Umicore N.V.
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Recent Developments
  - 8.3.2. Retrieval Technologies Inc.
  - 8.3.3. American Manganese Inc.
  - 8.3.4. Li-Cycle Corp.
  - 8.3.5. GEM Co., Ltd.
  - 8.3.6. Glencore International AG
  - 8.3.7. Recupyl S.A
  - 8.3.8. Raw Materials Company Inc.
  - 8.3.9. Neometals Ltd.
  - 8.3.10. Retrieval Metals

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process



9.1.1. Data Mining
9.1.2. Analysis
9.1.3. Market Estimation
9.1.4. Validation
9.1.5. Publishing
9.2. Research Attributes
9.3. Research Assumption
12. List of Tables
TABLE 1. Global Battery Materials Recycling Market, report scope
TABLE 2. Global Battery Materials Recycling Market estimates & forecasts by Region 2020-2030 (USD Billion)
TABLE 3. Global Battery Materials Recycling Market estimates & forecasts by Material 2020-2030 (USD Billion)
TABLE 4. Global Battery Materials Recycling Market estimates & forecasts by End User 2020-2030 (USD Billion)
TABLE 5. Global Battery Materials Recycling Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 6. Global Battery Materials Recycling Market by region, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 7. Global Battery Materials Recycling Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 8. Global Battery Materials Recycling Market by region, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 9. Global Battery Materials Recycling Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 10. Global Battery Materials Recycling Market by region, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 11. Global Battery Materials Recycling Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 12. Global Battery Materials Recycling Market by region, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 13. Global Battery Materials Recycling Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 14. Global Battery Materials Recycling Market by region, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 15. U.S. Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)
TABLE 16. U.S. Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 17. U.S. Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 18. Canada Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 19. Canada Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 20. Canada Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. UK Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Battery Materials Recycling Market estimates & forecasts, 2020-2030

(USD Billion)

TABLE 37. RoE Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 39. China Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. India Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. Japan Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 46. Japan Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. South Korea Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 49. South Korea Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. Australia Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 52. Australia Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. RoAPAC Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 55. RoAPAC Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. Brazil Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 59. Brazil Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Mexico Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 61. Mexico Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. RoLA Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 64. RoLA Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Battery Materials Recycling Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 67. South Africa Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. RoMEA Battery Materials Recycling Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. 12. List of secondary sources, used in the study of global Battery Materials Recycling Market

TABLE 70. 12. List of primary sources, used in the study of global Battery Materials Recycling Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

12. List of tables and figures and dummy in nature, final lists may vary in the final deliverable

12. List of figures

FIG 1. Global Battery Materials Recycling Market, research methodology

FIG 2. Global Battery Materials Recycling Market, Market estimation techniques

FIG 3. Global Market size estimates & forecast methods

FIG 4. Global Battery Materials Recycling Market, key trends 2022

FIG 5. Global Battery Materials Recycling Market, growth prospects 2023-2030

FIG 6. Global Battery Materials Recycling Market, porters 5 force model

FIG 7. Global Battery Materials Recycling Market, pest analysis

FIG 8. Global Battery Materials Recycling Market, value chain analysis

FIG 9. Global Battery Materials Recycling Market by segment, 2020 & 2030 (USD Billion)

FIG 10. Global Battery Materials Recycling Market by segment, 2020 & 2030 (USD Billion)

FIG 11. Global Battery Materials Recycling Market by segment, 2020 & 2030 (USD Billion)

FIG 12. Global Battery Materials Recycling Market by segment, 2020 & 2030 (USD Billion)

FIG 13. Global Battery Materials Recycling Market by segment, 2020 & 2030 (USD Billion)

FIG 14. Global Battery Materials Recycling Market, regional snapshot 2020 & 2030

FIG 15. North America Battery Materials Recycling Market 2020 & 2030 (USD Billion)

FIG 16. Europe Battery Materials Recycling Market 2020 & 2030 (USD Billion)

FIG 17. Asia pacific Battery Materials Recycling Market 2020 & 2030 (USD Billion)

FIG 18. Latin America Battery Materials Recycling Market 2020 & 2030 (USD Billion)

FIG 19. Middle East & Africa Battery Materials Recycling Market 2020 & 2030 (USD Billion)

12. List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: 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

Product link: <https://marketpublishers.com/r/GB50A7D3B99EEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GB50A7D3B99EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970