

Battery Material Market Report: Trends, Forecast and Competitive Analysis

<https://marketpublishers.com/r/B33DA50BCD2EN.html>

Date: February 2019

Pages: 270

Price: US\$ 4,850.00 (Single User License)

ID: B33DA50BCD2EN

Abstracts

The future of the battery material market looks promising with opportunities in the transportation, industrial, and consumer electronics industries. The global battery material market is expected to reach an estimated \$69.2 billion by 2023 with a CAGR of 8.7% from 2018 to 2023. The major drivers for this market are growing adoption of electric vehicles, rising demand for portable electronics, and growing need for energy storage devices.

Emerging trends, which have a direct impact on the dynamics of the battery materials industry, include development of solid state electrolyte and the emergence of sodium-ion batteries.

A total of 174 figures/charts and 163 tables are provided in this 270 -page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of this battery material market report download the report brochure.

The study includes the battery material market size and forecast for the global battery material market through 2023, segmented by material type, chemistry type, battery type, end use industry, and region as follows:

Battery Material Market by Material [Volume (Kilotons) and \$M shipment analysis from 2012 to 2023]:

Cathode Lead dioxide Lithium manganese oxide Lithium cobalt oxide Nickel manganese cobalt Nickel cobalt aluminum Lithium-iron phosphate Anode Lead Natural Graphite Synthetic Graphite Others Electrolyte Separator Others

Battery Material Market by Chemistry Type [Volume (Kilotons) and \$M shipment

analysis from 2012 to 2023]:

Lead-Acid Lithium-ion Alkaline Others

Battery Material Market by End Use Industry [Volume (Kilotons) and \$M shipment analysis from 2012 to 2023]:

Transportation Electric Vehicle BEV HEV PHEV Internal combustion engine (ICE)

Industrial Energy Storage Others Consumer Electronics Cellphone Portable Computers

Others Others

Battery Material Market by Battery Type [Volume (Kilotons) and \$M shipment analysis from 2012 to 2023]:

Primary Battery Secondary Battery

Battery Material Market by Region [Volume (Kilotons) and \$M shipment analysis from 2012 to 2023]:

North America United States Canada Mexico Europe Germany Asia Pacific China

South Korea Japan The Rest of the World

Some of the battery materials companies profiled in this report include Umicore, Asahi Kasei, Henan Yuguang, Glencore, Nyrstar, Sumitomo Metal Mining, Mitsubishi Chemical, and Hitachi Chemical and others.

Lucintel forecasts that cathode will remain the largest segment and it is expected to witness the highest growth during the forecast period due to growth in lead acid and lithium ion battery considering increase in automotive industry.

Within this market, material used in battery for transportation is expected to remain the largest end use industry and witness highest growth over the forecast period. Customer inclination towards electric vehicles and growing preference of NMC (Nickel Manganese Cobalt) and NCA (Nickel Cobalt Aluminium) based lithium-ion batteries in electric vehicles are expected to drive the market of battery materials in the automotive industry.

Asia Pacific is expected to remain the largest market and witness the highest growth over the forecast period. Growing production of electric vehicles, consumer electronics, and the growing demand for backup power systems are expected to boost demand for the battery material market in this region.

Some of the features of “Battery Material Market Report: Trends, Forecast and Competitive Analysis” include:

Market size estimates: Global battery material market size estimation in terms of value (\$M) and volume (Kilotons) and shipment. Trend and forecast analysis: Market trend (2012-2017) and forecast (2018-2023) by end use and use industry. Segmentation

analysis: Global battery material market size by various material type, chemistry type, battery type, and end use industry in terms of value and volume shipment. Regional analysis: Global battery material market breakdown by North America, Europe, Asia Pacific, and the Rest of the World. Growth opportunities: Analysis on growth opportunities in different applications and regions of battery material in the global battery material market. Strategic analysis: This includes M&A, new product development, and competitive landscape of battery material in the global battery material market. Analysis of competitive intensity of the industry based on Porter's Five Forces model.

This report answers following 11 key questions:

- Q.1 What are some of the most promising, high-growth opportunities for the global battery material market by material type (Lead dioxide, Lithium manganese oxide, Lithium cobalt oxide, Nickel manganese cobalt, Nickel cobalt aluminum, Lithium-iron phosphate, Lead, Natural Graphite, Synthetic Graphite, Others), battery type (primary and secondary), chemistry type (lead-acid, lithium-ion and others), , end use industry (consumer electronics, transportation, industrial, and others) and by region (North America, Europe, Asia Pacific, and the Rest of the World)?
- Q.2 Which segments will grow at a faster pace and why?
- Q.3 Which regions will grow at a faster pace and why?
- Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?
- Q.5 What are the business risks and threats to the battery material market?
- Q.6 What are the emerging trends in this battery material market and reasons behind them?
- Q.7 What are the changing demands of customers in the battery material market?
- Q.8 What are the new developments in the battery material market? Which companies are leading these developments?
- Q.9 Who are the major players in this battery material market? What strategic initiatives are being implemented by key players for business growth?
- Q.10 What are some of the competitive products and processes in this battery material area and how big of a threat do they pose for loss of market share via product substitution?
- Q.11 What M&A activity has occurred in the last 5 years in this battery material market?

Contents

1. EXECUTIVE SUMMARY

2. MARKET BACKGROUND AND CLASSIFICATIONS

2.1: Introduction, Background, and Classification

2.2: Supply Chain

2.3: Industry Drivers and Challenges

3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2012 TO 2023

3.1: Macroeconomic Trends and Forecast

3.2: Global Battery Material Market Trends and Forecast

3.3: Global Battery Material Market by Component Type

3.3.1: Cathode

3.3.1.1: Lead Oxide

3.3.1.2: LCO

3.3.1.3: NMC

3.3.1.4: NCA

3.3.1.5: LMO

3.3.1.6: LFP

3.3.1.7: Others

3.3.2: Anode

3.3.2.1: Lead

3.3.2.2: Natural Graphite

3.3.2.3: Artificial Graphite

3.3.2.4: Others

3.3.3: Electrolyte

3.3.4: Separator

3.3.5: Others

3.4: Global Battery Material Market by Battery Type

3.4.1: Primary Batteries

3.4.2: Secondary Batteries

3.5: Global Battery Material Market by Chemistry Type

3.5.1: Lithium-ion

3.5.2: Lead-Acid

3.5.3: Others

3.6: Global Battery Material Market by End Use Industry

- 3.6.1: Consumer Electronics
 - 3.6.1.1: Cellphone
 - 3.6.1.2: Portable Computers
 - 3.6.1.3: Others
- 3.6.2: Automotive
 - 3.6.2.1: Electric Vehicles
 - 3.6.2.2: ICE
- 3.6.3: Industrial
 - 3.6.3.1: Energy Storage
 - 3.6.3.2: Others
- 3.6.4: Other End Use Industries

4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION

- 4.1: Global Battery Material Market by Region
- 4.2: North American Battery Material Market
 - 4.2.1: Market by Chemistry Type: Lithium-ion, Lead-Acid, and Others
 - 4.2.2: Market by Component Type: Cathode, Anode, Electrolyte, Separators, and Others
 - 4.2.3: United States Battery Material Market
 - 4.2.4: Canadian Battery Material Market
 - 4.2.5: Mexican Battery Material Market
- 4.3: European Battery Material Market
 - 4.3.1: Market by Chemistry Type: Lithium-ion, Lead-Acid and Others
 - 4.3.2: Market by Component Type: Cathode, Anode, Electrolyte, Separators, and Others
 - 4.3.3: German Battery Material Market
- 4.4: APAC Battery Material Market
 - 4.4.1: Market by Chemistry Type: Lithium-ion, Lead-Acid, and Others
 - 4.4.2: Market by Component Type: Cathode, Anode, Electrolyte, Separators, and Others
 - 4.4.3: Chinese Battery Material Market
 - 4.4.4: Japanese Battery Material Market
 - 4.4.5: South Korean Battery Material Market
- 4.5: ROW Battery Material Market
 - 4.5.1: Market by Chemistry Type: Lithium-ion, Lead-Acid, and Others
 - 4.5.2: Market by Component Type: Cathode, Anode, Electrolyte, Separators and Others

5. COMPETITOR ANALYSIS

- 5.1: Product Portfolio Analysis
- 5.2: Market Share Analysis
- 5.3: Geographical Reach
- 5.4: Porter's Five Forces Analysis

6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS

- 6.1: Growth Opportunity Analysis
 - 6.1.1: Growth Opportunities for the Global Battery Material Market by Chemistry Type
 - 6.1.2: Growth Opportunities for the Global Battery Material Market by End Use Industry
 - 6.1.3: Growth Opportunities for the Global Battery Material Market by Region
- 6.2: Emerging Trends of the Global Battery Material Market
- 6.3: Strategic Analysis
 - 6.3.1: New Product Development
 - 6.3.2: Capacity Expansion of the Global Battery Material Market
 - 6.3.3: Mergers, Acquisitions, and Joint Ventures in the Global Battery Material Market
 - 6.3.4: Technology Development

7. COMPANY PROFILES OF LEADING PLAYERS

- 7.1: Umicore
- 7.2: Sumitomo Metal Mining Co. Ltd.
- 7.3: Mitsubishi Chemical Corporation
- 7.4: Hitachi Chemical Co., Ltd.
- 7.5: Asahi Kasei Corporation
- 7.6: Toray
- 7.7: Posco ESM
- 7.8: Toda Kogyo Corp
- 7.9: Showa Denko K.K.
- 7.10: W-SCOPE Corporation

List Of Figures

LIST OF FIGURES

CHAPTER 2. MARKET BACKGROUND AND CLASSIFICATIONS

Figure 2.1: Various Battery Material End Uses

Figure 2.2: Classification of the Battery Material Market by Component Type, Battery Type, Chemistry Type, and End Use

Figure 2.3: Supply Chain of the Lithium-ion Battery Material

Figure 2.4: Supply Chain of the Lead-Acid Battery Material

Figure 2.5: Major Drivers and Challenges for the Global Battery Material Market

Figure 2.6: Global Electric Vehicle Sales

CHAPTER 3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2012 TO 2023

Figure 3.1: Trends of the Global GDP Growth Rate

Figure 3.2: Trends of the Global Population Growth Rate

Figure 3.3: Trends of the Global Inflation Rate

Figure 3.4: Trends of the Global Unemployment Rate

Figure 3.5: Trends of the Regional GDP Growth Rate

Figure 3.6: Trends of the Regional Population Growth Rate

Figure 3.7: Trends of the Regional Inflation Rate

Figure 3.8: Trends of the Regional Unemployment Rate

Figure 3.9: Regional Per Capita Income Trends

Figure 3.10: Forecast for the Global GDP Growth Rate

Figure 3.11: Forecast for the Global Population Growth Rate

Figure 3.12: Forecast for the Global Inflation Rate

Figure 3.13: Forecast for the Global Unemployment Rate

Figure 3.14: Forecast for the Regional GDP Growth Rate

Figure 3.15: Forecast for the Regional Population Growth Rate

Figure 3.16: Forecast for the Regional Inflation Rate

Figure 3.17: Forecast for the Regional Unemployment Rate

Figure 3.18: Forecast for Regional Per Capita Income

Figure 3.19: Trends and Forecast for the Global Battery Material Market (2012-2023)

Figure 3.20: Trends of the Global Battery Material Market (\$M) by Component Type (2012-2017)

Figure 3.21: Forecast for the Global Battery Material (\$M) by Component Type (2018-2023)

Figure 3.22: Trends of the Global Battery Material Market (Kilotons) by Component Type (2012-2017)

Figure 3.23: Forecast for the Global Battery Material Market (Kilotons) by Component Type (2018-2023)

Figure 3.24: Trends of Cathode in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.25: Forecast for the Cathode in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.26: Trends of Cathode in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.27: Forecast for Cathode in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.28: Trends and Forecast for Lead Oxide in the Global Battery Material Market (2012-2023)

Figure 3.29: Trends and Forecast for LCO in the Global Battery Material Market (2012-2023)

Figure 3.30: Trends and Forecast for NMC in the Global Battery Material Market (2012-2023)

Figure 3.31: Trends and Forecast for NCA in the Global Battery Material Market (2012-2023)

Figure 3.32: Trends and Forecast for LMO in the Global Battery Material Market (2012-2023)

Figure 3.33: Trends and Forecast for LFP in the Global Battery Material Market (2012-2023)

Figure 3.34: Trends and Forecast for Others in the Global Battery Material Market (2012-2023)

Figure 3.35: Trends of Anode in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.36: Forecast for the Anode in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.37: Trends of Anode in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.38: Forecast for Anode in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.39: Trends and Forecast for Lead in the Global Battery Material Market (2012-2023)

Figure 3.40: Trends and Forecast for Natural Graphite in the Global Battery Material Market (2012-2023)

Figure 3.41: Trends and Forecast for Artificial Graphite in the Global Battery Material

Market (2012-2023)

Figure 3.42: Trends and Forecast for Others in the Global Battery Material Market (2012-2023)

Figure 3.43: Trends of Electrolyte in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.44: Forecast for the Electrolyte in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.45: Trends of Electrolyte in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.46: Forecast for Electrolyte in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.47: Trends of Separator in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.48: Forecast for Separator in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.49: Trends of Separators in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.50: Forecast for Separators in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.51: Trends of Others in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.52: Forecast for the Others in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.53: Trends of Others in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.54: Forecast for Others in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.55: Trends of Global Battery Material Market (\$M) by Battery Types (2012-2017)

Figure 3.56: Forecast for the Global Battery Material Market (\$M) by Battery Type (2018-2023)

Figure 3.57: Trends of the Global Battery Material Market (Kilotons) by Battery Types (2012-2017)

Figure 3.58: Forecast for the Global Battery Material Market (Kilotons) by Battery Types (2018-2023)

Figure 3.59: Trends and Forecast for Primary Batteries in the Global Battery Material Market (2012-2023)

Figure 3.60: Trends and Forecast for Secondary Batteries in the Global Battery Material Market (2012-2023)

Figure 3.61: Trends of the Global Battery Material Market (\$M) by Chemistry Type (2012-2017)

Figure 3.62: Forecast for the Global Battery Material Market (\$M) by Chemistry Type (2018-2023)

Figure 3.63: Trends of the Global Battery Material Market (Kilotons) by Chemistry Type (2012-2017)

Figure 3.64: Forecast for the Global Battery Material Market (Kilotons) by Chemistry Type (2018-2023)

Figure 3.65: Lithium-ion Battery

Figure 3.66: Trends of Lithium-ion in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.67: Forecast for the Lithium-ion in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.68: Trends of Lithium-ion in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.69: Forecast for Lithium-ion in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.70: Lead-Acid Battery

Figure 3.71: Trends of Lead-Acid in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.72: Forecast for Lead-Acid in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.73: Trends of Lead-Acid in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.74: Forecast for Lead-Acid in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.75: NiMH Battery

Figure 3.76: Trends of Others in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.77: Forecast for Others in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.78: Trends of Others in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.79: Forecast for Others in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.80: Trends of the Global Battery Material Market (\$M) by End Use Industry (2012-2017)

Figure 3.81: Forecast for the Global Battery Material Market (\$M) by End Use Industry (2018-2023)

Figure 3.82: Trends of the Global Battery Material Market (Kilotons) by End Use Industry (2012-2017)

Figure 3.83: Forecast for the Global Battery Material Market (Kilotons) by End Use Industry (2018-2023)

Figure 3.84: Battery for Consumer Electronics

Figure 3.85: Trends of Consumer Electronics in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.86: Forecast for the Consumer Electronics in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.87: Trends of Consumer Electronics in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.88: Forecast for Consumer Electronics in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.89: Trends and Forecast for Cellphones in the Global Consumer Electronics Battery Material Market (2012-2023)

Figure 3.90: Trends and Forecast for Portable Computers in the Global Consumer Electronics Battery Material Market (2012-2023)

Figure 3.91: Trends and Forecast for Others in the Global Consumer Electronics Battery Material Market (2012-2023)

Figure 3.92: Battery Used in Cars

Figure 3.93: Trends of Automotive in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.94: Forecast for the Automotive in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.95: Trends of Automotive in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.96: Forecast for Automotive in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.97: Trends and Forecast for Electric Vehicles in the Global Automotive Battery Material Market (2012-2023)

Figure 3.98: Trends and Forecast for ICE in the Global Automotive Battery Material Market (2012-2023)

Figure 3.99: Battery for an Industrial Forklift

Figure 3.100: Trends of Industrial in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.101: Forecast for the Industrial in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.102: Trends of Industrial in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.103: Forecast for Industrial in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.104: Trends and Forecast for Energy Storage in the Global Industrial Battery Material Market (2012-2023)

Figure 3.105: Trends and Forecast for Others in the Global Industrial Battery Material Market (2012-2023)

Figure 3.106: Trends of Industrial End Use in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.107: Forecast for Industrial in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.108: Trends of Others in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.109: Forecast for Others in the Global Battery Material Market (Kilotons) by Region (2018-2023)

CHAPTER 4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION

Figure 4.1: Trends of the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 4.2: Forecast for the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 4.3: Trends of the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 4.4: Forecast for the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 4.5: Trends and Forecast for the North American Battery Material Market (2012-2023)

Figure 4.6: Trends of the North American Battery Material Market (\$M) by Chemistry Type (2012-2017)

Figure 4.7: Forecast for the North American Battery Material Market (\$M) by Chemistry Type (2018-2023)

Figure 4.8: Trends of the North American Battery Material Market (Kilotons) by Chemistry Type (2012-2017)

Figure 4.9: Forecast for the North American Battery Material Market (Kilotons) by Chemistry Type (2018-2023)

Figure 4.10: Trends of the North American Battery Material Market (\$M) by Component Type (2012-2017)

Figure 4.11: Forecast for the North American Battery Material Market (\$M) by Component Type (2018-2023)

Figure 4.12: Trends of the North American Battery Material Market (Kilotons) by Component Type (2012-2017)

Figure 4.13: Forecast for the North American Battery Material Market (Kilotons) by Component Type (2018-2023)

Figure 4.14: Trends and Forecast for the United States Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.15: Trends and Forecast for the Canadian Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.16: Trends and Forecast for the Mexican Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.17: Trends and Forecast for the European Battery Material Market (2012-2023)

Figure 4.18: Trends of the European Battery Material Market (\$M) by Chemistry Type (2012-2017)

Figure 4.19: Forecast for the European Battery Material Market (\$M) by Chemistry Type (2018-2023)

Figure 4.20: Trends of the European Battery Material Market (Kilotons) by Chemistry Type (2012-2017)

Figure 4.21: Forecast for the European Battery Material Market (Kilotons) by Chemistry Type (2018-2023)

Figure 4.22: Trends of the European Battery Material Market (\$M) by Component Type (2012-2017)

Figure 4.23: Forecast for the European Battery Material Market (\$M) by Component Type (2018-2023)

Figure 4.24: Trends of the European Battery Material Market (Kilotons) by Component Type (2012-2017)

Figure 4.25: Forecast for the European Battery Material Market (Kilotons) by Component Type (2018-2023)

Figure 4.26: Trends and Forecast for the German Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.27: Trends and Forecast for the APAC Battery Material Market (2012-2023)

Figure 4.28: Trends of the APAC Battery Material Market (\$M) by Chemistry Type (2012-2017)

Figure 4.29: Forecast for the Battery Material Market (\$M) by Chemistry Type (2018-2023)

Figure 4.30: Trends of the APAC Battery Material Market (Kilotons) by Battery Type (2012-2017)

Figure 4.31: Forecast for the APAC Battery Material Market (Kilotons) by Chemistry Type (2018-2023)

Figure 4.32: Trends of the APAC Battery Material Market (\$M) by Component Type (2012-2017)

Figure 4.33: Forecast for the APAC Battery Material Market (\$M) by Component Type

(2018-2023)

Figure 4.34: Trends of the APAC Battery Material Market (Kilotons) by Component Type (2012-2017)

Figure 4.35: Forecast for the APAC Battery Material Market (Kilotons) by Component Type (2018-2023)

Figure 4.36: Trends and Forecast for the Chinese Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.37: Trends and Forecast for the Japanese Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.38: Trends and Forecast for the South Korean Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.39: Trends and Forecast for the ROW Battery Material Market (2012-2023)

Figure 4.40: Trends of the ROW Battery Material Market (\$M) by Chemistry Type (2012-2017)

Figure 4.41: Forecast for the ROW Battery Material Market (\$M) by Chemistry Type (2018-2023)

Figure 4.42: Trends of the ROW Battery Material Market (Kilotons) by Battery Type (2012-2017)

Figure 4.43: Forecast for the ROW Battery Material Market (Kilotons) by Battery Type (2018-2023)

Figure 4.44: Trends of the ROW Battery Material Market (\$M) by Component Type (2012-2017)

Figure 4.45: Forecast for the ROW Battery Material Market (\$M) by Component Type (2018-2023)

Figure 4.46: Trends of the ROW Battery Material Market (Kilotons) by Component Type (2012-2017)

Figure 4.47: Forecast for the ROW Battery Material Market (Kilotons) by Component Type (2018-2023)

CHAPTER 5. COMPETITOR ANALYSIS

Figure 5.1: Market Share Analysis of the Global Battery Material Market in 2017

Figure 5.2: Market Share of Top Five Players of the Global Battery Material Market in 2017

Figure 5.3: Locations of Major Global Battery Material Suppliers

Figure 5.4: Porter's Five Forces Market Analysis for the Global Battery Material Market

CHAPTER 6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS

- Figure 6.1: Growth Opportunities for the Global Battery Material Market (2018-2023)
- Figure 6.2: Growth Opportunities for the Global Battery Material Market by Chemistry Type (2018-2023)
- Figure 6.3: Growth Opportunities for the Global Battery Material Market by End Use Industry (2018-2023)
- Figure 6.4: Growth Opportunities for the Global Battery Material Market by Region (2018-2023)
- Figure 6.5: Emerging Trends of the Global Battery Material Market
- Figure 6.6: Conventional and Solid Electrolyte in Lithium-ion Battery
- Figure 6.7: Strategic Initiatives by Major Competitors in the Global Battery Material Market
- Figure 6.8: Major Capacity Expansions in the Global Battery Material Market

LIST OF FIGURES

CHAPTER 2. MARKET BACKGROUND AND CLASSIFICATIONS

- Figure 2.1: Various Battery Material End Uses
- Figure 2.2: Classification of the Battery Material Market by Component Type, Battery Type, Chemistry Type, and End Use
- Figure 2.3: Supply Chain of the Lithium-ion Battery Material
- Figure 2.4: Supply Chain of the Lead-Acid Battery Material
- Figure 2.5: Major Drivers and Challenges for the Global Battery Material Market
- Figure 2.6: Global Electric Vehicle Sales

CHAPTER 3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2012 TO 2023

- Figure 3.1: Trends of the Global GDP Growth Rate
- Figure 3.2: Trends of the Global Population Growth Rate
- Figure 3.3: Trends of the Global Inflation Rate
- Figure 3.4: Trends of the Global Unemployment Rate
- Figure 3.5: Trends of the Regional GDP Growth Rate
- Figure 3.6: Trends of the Regional Population Growth Rate
- Figure 3.7: Trends of the Regional Inflation Rate
- Figure 3.8: Trends of the Regional Unemployment Rate
- Figure 3.9: Regional Per Capita Income Trends
- Figure 3.10: Forecast for the Global GDP Growth Rate
- Figure 3.11: Forecast for the Global Population Growth Rate
- Figure 3.12: Forecast for the Global Inflation Rate

- Figure 3.13: Forecast for the Global Unemployment Rate
- Figure 3.14: Forecast for the Regional GDP Growth Rate
- Figure 3.15: Forecast for the Regional Population Growth Rate
- Figure 3.16: Forecast for the Regional Inflation Rate
- Figure 3.17: Forecast for the Regional Unemployment Rate
- Figure 3.18: Forecast for Regional Per Capita Income
- Figure 3.19: Trends and Forecast for the Global Battery Material Market (2012-2023)
- Figure 3.20: Trends of the Global Battery Material Market (\$M) by Component Type (2012-2017)
- Figure 3.21: Forecast for the Global Battery Material (\$M) by Component Type (2018-2023)
- Figure 3.22: Trends of the Global Battery Material Market (Kilotons) by Component Type (2012-2017)
- Figure 3.23: Forecast for the Global Battery Material Market (Kilotons) by Component Type (2018-2023)
- Figure 3.24: Trends of Cathode in the Global Battery Material Market (\$M) by Region (2012-2017)
- Figure 3.25: Forecast for the Cathode in the Global Battery Material Market (\$M) by Region (2018-2023)
- Figure 3.26: Trends of Cathode in the Global Battery Material Market (Kilotons) by Region (2012-2017)
- Figure 3.27: Forecast for Cathode in the Global Battery Material Market (Kilotons) by Region (2018-2023)
- Figure 3.28: Trends and Forecast for Lead Oxide in the Global Battery Material Market (2012-2023)
- Figure 3.29: Trends and Forecast for LCO in the Global Battery Material Market (2012-2023)
- Figure 3.30: Trends and Forecast for NMC in the Global Battery Material Market (2012-2023)
- Figure 3.31: Trends and Forecast for NCA in the Global Battery Material Market (2012-2023)
- Figure 3.32: Trends and Forecast for LMO in the Global Battery Material Market (2012-2023)
- Figure 3.33: Trends and Forecast for LFP in the Global Battery Material Market (2012-2023)
- Figure 3.34: Trends and Forecast for Others in the Global Battery Material Market (2012-2023)
- Figure 3.35: Trends of Anode in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.36: Forecast for the Anode in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.37: Trends of Anode in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.38: Forecast for Anode in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.39: Trends and Forecast for Lead in the Global Battery Material Market (2012-2023)

Figure 3.40: Trends and Forecast for Natural Graphite in the Global Battery Material Market (2012-2023)

Figure 3.41: Trends and Forecast for Artificial Graphite in the Global Battery Material Market (2012-2023)

Figure 3.42: Trends and Forecast for Others in the Global Battery Material Market (2012-2023)

Figure 3.43: Trends of Electrolyte in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.44: Forecast for the Electrolyte in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.45: Trends of Electrolyte in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.46: Forecast for Electrolyte in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.47: Trends of Separator in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.48: Forecast for Separator in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.49: Trends of Separators in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.50: Forecast for Separators in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.51: Trends of Others in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.52: Forecast for the Others in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.53: Trends of Others in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.54: Forecast for Others in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.55: Trends of Global Battery Material Market (\$M) by Battery Types

(2012-2017)

Figure 3.56: Forecast for the Global Battery Material Market (\$M) by Battery Type

(2018-2023)

Figure 3.57: Trends of the Global Battery Material Market (Kilotons) by Battery Types

(2012-2017)

Figure 3.58: Forecast for the Global Battery Material Market (Kilotons) by Battery Types

(2018-2023)

Figure 3.59: Trends and Forecast for Primary Batteries in the Global Battery Material

Market (2012-2023)

Figure 3.60: Trends and Forecast for Secondary Batteries in the Global Battery Material

Market (2012-2023)

Figure 3.61: Trends of the Global Battery Material Market (\$M) by Chemistry Type

(2012-2017)

Figure 3.62: Forecast for the Global Battery Material Market (\$M) by Chemistry Type

(2018-2023)

Figure 3.63: Trends of the Global Battery Material Market (Kilotons) by Chemistry Type

(2012-2017)

Figure 3.64: Forecast for the Global Battery Material Market (Kilotons) by Chemistry

Type (2018-2023)

Figure 3.65: Lithium-ion Battery

Figure 3.66: Trends of Lithium-ion in the Global Battery Material Market (\$M) by Region

(2012-2017)

Figure 3.67: Forecast for the Lithium-ion in the Global Battery Material Market (\$M) by

Region (2018-2023)

Figure 3.68: Trends of Lithium-ion in the Global Battery Material Market (Kilotons) by

Region (2012-2017)

Figure 3.69: Forecast for Lithium-ion in the Global Battery Material Market (Kilotons) by

Region (2018-2023)

Figure 3.70: Lead-Acid Battery

Figure 3.71: Trends of Lead-Acid in the Global Battery Material Market (\$M) by Region

(2012-2017)

Figure 3.72: Forecast for Lead-Acid in the Global Battery Material Market (\$M) by

Region (2018-2023)

Figure 3.73: Trends of Lead-Acid in the Global Battery Material Market (Kilotons) by

Region (2012-2017)

Figure 3.74: Forecast for Lead-Acid in the Global Battery Material Market (Kilotons) by

Region (2018-2023)

Figure 3.75: NiMH Battery

Figure 3.76: Trends of Others in the Global Battery Material Market (\$M) by Region

(2012-2017)

Figure 3.77: Forecast for Others in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.78: Trends of Others in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.79: Forecast for Others in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.80: Trends of the Global Battery Material Market (\$M) by End Use Industry (2012-2017)

Figure 3.81: Forecast for the Global Battery Material Market (\$M) by End Use Industry (2018-2023)

Figure 3.82: Trends of the Global Battery Material Market (Kilotons) by End Use Industry (2012-2017)

Figure 3.83: Forecast for the Global Battery Material Market (Kilotons) by End Use Industry (2018-2023)

Figure 3.84: Battery for Consumer Electronics

Figure 3.85: Trends of Consumer Electronics in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.86: Forecast for the Consumer Electronics in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.87: Trends of Consumer Electronics in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.88: Forecast for Consumer Electronics in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.89: Trends and Forecast for Cellphones in the Global Consumer Electronics Battery Material Market (2012-2023)

Figure 3.90: Trends and Forecast for Portable Computers in the Global Consumer Electronics Battery Material Market (2012-2023)

Figure 3.91: Trends and Forecast for Others in the Global Consumer Electronics Battery Material Market (2012-2023)

Figure 3.92: Battery Used in Cars

Figure 3.93: Trends of Automotive in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.94: Forecast for the Automotive in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.95: Trends of Automotive in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.96: Forecast for Automotive in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.97: Trends and Forecast for Electric Vehicles in the Global Automotive Battery Material Market (2012-2023)

Figure 3.98: Trends and Forecast for ICE in the Global Automotive Battery Material Market (2012-2023)

Figure 3.99: Battery for an Industrial Forklift

Figure 3.100: Trends of Industrial in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.101: Forecast for the Industrial in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.102: Trends of Industrial in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.103: Forecast for Industrial in the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 3.104: Trends and Forecast for Energy Storage in the Global Industrial Battery Material Market (2012-2023)

Figure 3.105: Trends and Forecast for Others in the Global Industrial Battery Material Market (2012-2023)

Figure 3.106: Trends of Industrial End Use in the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 3.107: Forecast for Industrial in the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 3.108: Trends of Others in the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 3.109: Forecast for Others in the Global Battery Material Market (Kilotons) by Region (2018-2023)

CHAPTER 4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION

Figure 4.1: Trends of the Global Battery Material Market (\$M) by Region (2012-2017)

Figure 4.2: Forecast for the Global Battery Material Market (\$M) by Region (2018-2023)

Figure 4.3: Trends of the Global Battery Material Market (Kilotons) by Region (2012-2017)

Figure 4.4: Forecast for the Global Battery Material Market (Kilotons) by Region (2018-2023)

Figure 4.5: Trends and Forecast for the North American Battery Material Market (2012-2023)

Figure 4.6: Trends of the North American Battery Material Market (\$M) by Chemistry Type (2012-2017)

Figure 4.7: Forecast for the North American Battery Material Market (\$M) by Chemistry

Type (2018-2023)

Figure 4.8: Trends of the North American Battery Material Market (Kilotons) by Chemistry Type (2012-2017)

Figure 4.9: Forecast for the North American Battery Material Market (Kilotons) by Chemistry Type (2018-2023)

Figure 4.10: Trends of the North American Battery Material Market (\$M) by Component Type (2012-2017)

Figure 4.11: Forecast for the North American Battery Material Market (\$M) by Component Type (2018-2023)

Figure 4.12: Trends of the North American Battery Material Market (Kilotons) by Component Type (2012-2017)

Figure 4.13: Forecast for the North American Battery Material Market (Kilotons) by Component Type (2018-2023)

Figure 4.14: Trends and Forecast for the United States Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.15: Trends and Forecast for the Canadian Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.16: Trends and Forecast for the Mexican Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.17: Trends and Forecast for the European Battery Material Market (2012-2023)

Figure 4.18: Trends of the European Battery Material Market (\$M) by Chemistry Type (2012-2017)

Figure 4.19: Forecast for the European Battery Material Market (\$M) by Chemistry Type (2018-2023)

Figure 4.20: Trends of the European Battery Material Market (Kilotons) by Chemistry Type (2012-2017)

Figure 4.21: Forecast for the European Battery Material Market (Kilotons) by Chemistry Type (2018-2023)

Figure 4.22: Trends of the European Battery Material Market (\$M) by Component Type (2012-2017)

Figure 4.23: Forecast for the European Battery Material Market (\$M) by Component Type (2018-2023)

Figure 4.24: Trends of the European Battery Material Market (Kilotons) by Component Type (2012-2017)

Figure 4.25: Forecast for the European Battery Material Market (Kilotons) by Component Type (2018-2023)

Figure 4.26: Trends and Forecast for the German Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.27: Trends and Forecast for the APAC Battery Material Market (2012-2023)

Figure 4.28: Trends of the APAC Battery Material Market (\$M) by Chemistry Type (2012-2017)

Figure 4.29: Forecast for the Battery Material Market (\$M) by Chemistry Type (2018-2023)

Figure 4.30: Trends of the APAC Battery Material Market (Kilotons) by Battery Type (2012-2017)

Figure 4.31: Forecast for the APAC Battery Material Market (Kilotons) by Chemistry Type (2018-2023)

Figure 4.32: Trends of the APAC Battery Material Market (\$M) by Component Type (2012-2017)

Figure 4.33: Forecast for the APAC Battery Material Market (\$M) by Component Type (2018-2023)

Figure 4.34: Trends of the APAC Battery Material Market (Kilotons) by Component Type (2012-2017)

Figure 4.35: Forecast for the APAC Battery Material Market (Kilotons) by Component Type (2018-2023)

Figure 4.36: Trends and Forecast for the Chinese Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.37: Trends and Forecast for the Japanese Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.38: Trends and Forecast for the South Korean Battery Material Market (\$M and Kilotons) (2012-2023)

Figure 4.39: Trends and Forecast for the ROW Battery Material Market (2012-2023)

Figure 4.40: Trends of the ROW Battery Material Market (\$M) by Chemistry Type (2012-2017)

Figure 4.41: Forecast for the ROW Battery Material Market (\$M) by Chemistry Type (2018-2023)

Figure 4.42: Trends of the ROW Battery Material Market (Kilotons) by Battery Type (2012-2017)

Figure 4.43: Forecast for the ROW Battery Material Market (Kilotons) by Battery Type (2018-2023)

Figure 4.44: Trends of the ROW Battery Material Market (\$M) by Component Type (2012-2017)

Figure 4.45: Forecast for the ROW Battery Material Market (\$M) by Component Type (2018-2023)

Figure 4.46: Trends of the ROW Battery Material Market (Kilotons) by Component Type (2012-2017)

Figure 4.47: Forecast for the ROW Battery Material Market (Kilotons) by Component

Type (2018-2023)

CHAPTER 5. COMPETITOR ANALYSIS

Figure 5.1: Market Share Analysis of the Global Battery Material Market in 2017

Figure 5.2: Market Share of Top Five Players of the Global Battery Material Market in 2017

Figure 5.3: Locations of Major Global Battery Material Suppliers

Figure 5.4: Porter's Five Forces Market Analysis for the Global Battery Material Market

CHAPTER 6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS

Figure 6.1: Growth Opportunities for the Global Battery Material Market (2018-2023)

Figure 6.2: Growth Opportunities for the Global Battery Material Market by Chemistry Type (2018-2023)

Figure 6.3: Growth Opportunities for the Global Battery Material Market by End Use Industry (2018-2023)

Figure 6.4: Growth Opportunities for the Global Battery Material Market by Region (2018-2023)

Figure 6.5: Emerging Trends of the Global Battery Material Market

Figure 6.6: Conventional and Solid Electrolyte in Lithium-ion Battery

Figure 6.7: Strategic Initiatives by Major Competitors in the Global Battery Material Market

Figure 6.8: Major Capacity Expansions in the Global Battery Material Market

I would like to order

Product name: Battery Material Market Report: Trends, Forecast and Competitive Analysis

Product link: <https://marketpublishers.com/r/B33DA50BCD2EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/B33DA50BCD2EN.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