

# **Electric Vehicles Battery Recycling Market by Source (Passenger Vehicles, Commercial Vehicles, E-Bikes), Chemistry (Li-NMC, LFP, LMO, LTO, NCA), Process, and Region (North America, Europe, Asia Pacific) - Global Forecast to 2031**

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## **Abstracts**

The EV Battery Recycling Market is projected to grow from USD 9.0 billion in 2023 to USD 56.3 billion by 2031, at a CAGR of 25.8 % during the forecast period. The growing demand for batteries in energy storage devices, coupled with increased research and development in EV Battery, is one of the key driver that is boosting the EV Battery Recycling Market.

“Lithium Iron Phosphate by battery chemistry, is estimated to account for the second largest share during the forecast period”

The Lithium Iron Phosphate battery chemistry segment is projected to secure the second-largest share in the forecast period, primarily fueled by its extensive application in the automotive. As they are among the safest batteries, with a low risk of overheating and fire. These batteries are environmentally sustainable, being non-toxic and recyclable, devoid of harmful materials like lead or cadmium. This broader utilization is expected to contribute to the sustained growth of the Lithium Iron Phosphate battery chemistry segment in the EV Battery Recycling Market.

“By source, commercial segment is accounted for the second largest share during the forecast period”

lithium-ion batteries are well-known for powering commercial vehicles. The combination of increasing demand for commercial electric vehicles, regulatory support, and the need

for recycling valuable materials contributes to the projection that the commercial segment will be the important and on-growing source in the EV battery recycling market during the specified period. Therefore, the use of lithium-ion battery in commercial vehicles will increase and it is expected to drive the EV Battery Recycling Market.

“Europe region is estimated to account for the second largest share during 2023-2031”

Europe is expected to be the second-largest market for EV battery recycling market. Germany is among the key player in the region, which is driven by automobile sector, with a rise in the demand for electric vehicles. As a major contributor to the automotive industry, Germany emerges as a favorable market for various batteries, particularly those using lithium-ion recycling technology. Additionally, the ongoing transition to renewable energy sources in the country is expected to boost the market further, contributing to the overall growth of the European EV Battery Recycling Market.

Profile break-up of primary participants for the report:

By Company Type: Tier 1 – 35%, Tier 2 – 35%, and Tier 3 – 30%

By Designation: C-level– 45%, Director Level– 35%, and Others – 20%

By Region: North America – 28%, Europe – 20%, Asia Pacific – 52%

Contemporary Amperex Technology Co., Limited. (China), Glencore (Switzerland), GEM Co., Ltd. (China), ERAMET (France), Li-Cycle Corp (Canada), Umicore (Belgium) are some of the major players operating in the EV Battery Recycling Market. These players have adopted strategies such as acquisitions, expansions, and partnerships, and expansions in order to increase their market share business revenue.

Research Coverage:

The report defines, segments, and projects the EV Battery Recycling Market based on material, battery type, end-use, and region. It provides detailed information regarding the major factors influencing the growth of the market, such as drivers, restraints, opportunities, and challenges. It strategically profiles, EV battery recycling manufacturers and comprehensively analyses their market shares and core competencies as well as tracks and analyzes competitive developments, such as expansions, joint ventures, agreements, and acquisitions, undertaken by them in the

market.

#### Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants in the market by providing them the closest approximations of revenue numbers of the EV Battery Recycling Market and its segments. This report is also expected to help stakeholders obtain an improved understanding of the competitive landscape of the market, gain insights to improve the position of their businesses, and make suitable go-to-market strategies. It also enables stakeholders to understand the pulse of the market and provide them information on key market drivers, restraints, challenges, and opportunities.

#### The report provides insights on the following pointers:

Analysis of key drivers (increasing adoption of lithium-ion batteries in automobiles, growing adoption of EVs and plug-in vehicles, limited minerals), restraints (Safety issues related batteries, low availability of lithium and cobalt), opportunities (subsidies by government, growing r&d for battery chemistry), and challenges (high cost of recycling ecosystem) influencing the growth of the EV Battery Recycling Market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities in the EV Battery Recycling Market.

Market Development: Comprehensive information about lucrative markets – the report analyses the EV Battery Recycling Market across varied regions.

Market Diversification: Exhaustive information about new products, various types, untapped geographies, recent developments, and investments in the EV Battery Recycling Market.

Competitive Assessment: In-depth assessment of market shares, growth strategies and product offerings of leading players such as Contemporary Amperex Technology Co., Limited. (China), Glencore (Switzerland), GEM Co., Ltd. (China), ERAMET (France), Li-Cycle Corp (Canada), Umicore (Belgium), Accurec-Recycling GMBH (Germany), Fortum (Finland), Cirba solutions (US), Neometals Ltd. (Australia), Redwood Materials Inc. (US), Ecobat (US), Stena Recycling (Sweden), TES (Singapore), Ace Green Recycling, Inc. (USA),

,Shenzhen Highpower Technology Co., Ltd (China) and others in the EV Battery Recycling Market.

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

##### 1.2.1 INCLUSIONS AND EXCLUSIONS

TABLE 1 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: INCLUSIONS AND EXCLUSIONS

#### 1.3 MARKET SCOPE

FIGURE 1 ELECTRIC VEHICLE BATTERY RECYCLING MARKET SEGMENTATION

##### 1.3.1 REGIONAL SCOPE

##### 1.3.2 YEARS CONSIDERED

#### 1.4 CURRENCY CONSIDERED

#### 1.5 UNITS CONSIDERED

#### 1.6 LIMITATIONS

#### 1.7 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

FIGURE 2 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY DATA

###### 2.1.1.1 Key data from secondary sources

##### 2.1.2 PRIMARY DATA

###### 2.1.2.1 Key data from primary sources

###### 2.1.2.2 Key industry insights

###### 2.1.2.3 Participating companies for primary research

###### 2.1.2.4 Breakdown of primary interviews

#### 2.2 MATRIX CONSIDERED FOR DEMAND SIDE

FIGURE 3 MAIN MATRIX CONSIDERED FOR ASSESSING DEMAND FOR ELECTRIC VEHICLE BATTERY RECYCLING

#### 2.3 MARKET SIZE ESTIMATION (1/2)

##### 2.3.1 BOTTOM-UP APPROACH

FIGURE 4 MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH

##### 2.3.2 TOP-DOWN APPROACH

FIGURE 5 MARKET SIZE ESTIMATION: TOP-DOWN APPROACH

#### 2.4 MARKET SIZE ESTIMATION (2/2)

## FIGURE 6 METHODOLOGY FOR SIZING OF ELECTRIC VEHICLE BATTERY RECYCLING MARKET: DEMAND-SIDE APPROACH

### 2.4.1 CALCULATION BASED ON DEMAND-SIDE ANALYSIS

## 2.5 METHODOLOGY FOR SUPPLY-SIDE SIZING OF ELECTRIC VEHICLE BATTERY RECYCLING MARKET (1/2)

## 2.6 METHODOLOGY FOR SUPPLY-SIDE SIZING OF ELECTRIC VEHICLE BATTERY RECYCLING MARKET (2/2)

### 2.6.1 CALCULATIONS BASED ON SUPPLY-SIDE ANALYSIS

### 2.6.2 FORECAST

### 2.6.3 GROWTH RATE ASSUMPTIONS/GROWTH FORECAST

## 2.7 MARKET BREAKDOWN AND DATA TRIANGULATION

## FIGURE 7 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: DATA TRIANGULATION

## 2.8 IMPACT OF RECESSION

## 2.9 RESEARCH ASSUMPTIONS

### 2.9.1 RESEARCH LIMITATIONS

### 2.9.2 RISK ANALYSIS

## 3 EXECUTIVE SUMMARY

### TABLE 2 ELECTRIC VEHICLE BATTERY RECYCLING MARKET SNAPSHOT: 2022 VS. 2031

### FIGURE 8 ASIA PACIFIC TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD

### FIGURE 9 PASSENGER SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD

### FIGURE 10 NORTH AMERICA TO HOLD LARGEST MARKET SHARE DURING FORECAST PERIOD

## 4 PREMIUM INSIGHTS

### 4.1 ATTRACTIVE OPPORTUNITIES IN ELECTRIC VEHICLE BATTERY RECYCLING MARKET

### FIGURE 11 GROWING ADOPTION OF LITHIUM-ION BATTERIES IN ELECTRIC VEHICLES TO DRIVE MARKET

### 4.2 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION

### FIGURE 12 EUROPE TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

### 4.3 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY BATTERY CHEMISTRY

FIGURE 13 LFP SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

## 5 MARKET OVERVIEW

### 5.1 MARKET DYNAMICS

FIGURE 14 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN ELECTRIC VEHICLE BATTERY RECYCLING MARKET

#### 5.1.1 DRIVERS

5.1.1.1 High demand for electric vehicles

5.1.1.2 Stringent government regulations related to lithium-ion battery recycling

5.1.1.3 Increase in demand for recycled products and materials

TABLE 3 COMPANIES INVOLVED IN LITHIUM-ION BATTERY RECYCLING AND VOLUME PROCESSED

5.1.1.4 Scarcity related to availability of earth metals

#### 5.1.2 RESTRAINTS

5.1.2.1 Safety issues related to storage and transportation of spent batteries

#### 5.1.3 OPPORTUNITIES

5.1.3.1 Rising adoption of lithium-ion batteries due to decline in prices

FIGURE 15 LITHIUM-ION BATTERY PACK PRICE, 2018–2023

#### 5.1.4 CHALLENGES

5.1.4.1 High recycling costs and dearth of technologies

### 5.2 PORTER'S FIVE FORCES ANALYSIS

FIGURE 16 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: PORTER'S FIVE FORCES ANALYSIS

TABLE 4 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: PORTER'S FIVE FORCES ANALYSIS

5.2.1 BARGAINING POWER OF SUPPLIERS

5.2.2 THREAT OF NEW ENTRANTS

5.2.3 THREAT OF SUBSTITUTES

5.2.4 BARGAINING POWER OF BUYERS

5.2.5 INTENSITY OF COMPETITIVE RIVALRY

### 5.3 VALUE CHAIN ANALYSIS

FIGURE 17 VALUE CHAIN ANALYSIS OF ELECTRIC VEHICLE BATTERY RECYCLING MARKET

### 5.4 ECOSYSTEM/MARKET MAP

FIGURE 18 ECOSYSTEM MAP OF ELECTRIC VEHICLE BATTERY RECYCLING MARKET

TABLE 5 ECOSYSTEM OF ELECTRIC VEHICLE BATTERY RECYCLING MARKET

## 5.5 TECHNOLOGY ANALYSIS

### 5.5.1 INTRODUCTION

### 5.5.2 TECHNOLOGY

#### 5.5.2.1 Pyrometallurgy

#### 5.5.2.2 Hydrometallurgy

#### 5.5.2.3 Pyrolysis

#### 5.5.2.4 Mechanical thermodynamic recycling

#### 5.5.2.5 Comparative analysis

## 5.6 TARIFF AND REGULATORY LANDSCAPE

### 5.6.1 TARIFF RELATED TO ELECTRIC VEHICLE BATTERY RECYCLING

#### TABLE 6 REGULATIONS AND STANDARDS FOR BATTERIES

### 5.6.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

#### 5.6.2.1 North America battery recycling regulations

#### 5.6.2.2 Europe battery recycling regulations

#### 5.6.2.3 Asia Pacific battery recycling regulations

## 5.7 CASE STUDY ANALYSIS

### 5.7.1 ATTERO RECYCLING

#### 5.7.1.1 Key highlights:

## 5.8 KEY CONFERENCES AND EVENTS (2024)

#### TABLE 7 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: KEY CONFERENCES AND EVENTS (2023-2024)

## 5.9 TRADE DATA

### 5.9.1 IMPORT DATA

#### TABLE 8 IMPORT DATA ON LITHIUM-ION BATTERIES

### 5.9.2 EXPORT DATA

#### TABLE 9 EXPORT DATA ON LITHIUM-ION BATTERIES

## 5.10 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

#### FIGURE 19 TRENDS/DISRUPTIONS IMPACTING LITHIUM-ION BATTERY ECOSYSTEM

## 5.11 PRICING ANALYSIS

### 5.11.1 AVERAGE SELLING PRICE, BY REGION

#### FIGURE 20 AVERAGE SELLING PRICE OF LITHIUM-ION BATTERY, BY REGION

### 5.11.2 AVERAGE SELLING PRICE OF LITHIUM-ION BATTERY, BY CHEMISTRY

#### FIGURE 21 AVERAGE SELLING PRICE OF LITHIUM-ION BATTERY, BY CHEMISTRY

## 5.12 KEY STAKEHOLDERS AND BUYING CRITERIA

### 5.12.1 KEY STAKEHOLDERS IN BUYING PROCESS

#### FIGURE 22 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR MAJOR



## PRODUCT TYPES

TABLE 10 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR MAJOR PRODUCT TYPES (%)

### 5.12.2 BUYING CRITERIA

FIGURE 23 KEY BUYING CRITERIA FOR TOP THREE SOURCES

TABLE 11 KEY BUYING CRITERIA FOR TOP THREE SOURCES

## **6 ELECTRIC VEHICLES BATTERY RECYCLING MARKET, BY SOURCE**

### 6.1 INTRODUCTION

FIGURE 24 PASSENGER SEGMENT TO LEAD ELECTRIC VEHICLE BATTERY RECYCLING MARKET

TABLE 12 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 13 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

### 6.2 COMMERCIAL

6.2.1 WIDESPREAD USE OF LITHIUM-ION BATTERIES TO DRIVE DEMAND

### 6.3 PASSENGER

6.3.1 RAPID ADOPTION OF PASSENGER ELECTRIC VEHICLES TO DRIVE DEMAND

### 6.4 E-BIKES

6.4.1 GOVERNMENT INITIATIVES TO ENCOURAGE RECYCLING OF LITHIUM-ION BATTERIES TO DRIVE DEMAND

## **7 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY BATTERY CHEMISTRY**

### 7.1 INTRODUCTION

FIGURE 25 TYPES OF LITHIUM-ION BATTERIES BASED ON MATERIALS USED

FIGURE 26 LI-NMC SEGMENT TO LEAD ELECTRIC VEHICLE BATTERY RECYCLING MARKET

TABLE 14 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY BATTERY CHEMISTRY, 2017–2020 (UNITS)

TABLE 15 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY BATTERY CHEMISTRY, 2021–2031 (UNITS)

### 7.2 LITHIUM-NICKEL MANGANESE COBALT (LI-NMC)

7.2.1 LITHIUM-NICKEL MANGANESE COBALT (LI-NMC) SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE

FIGURE 27 LI-NMC BATTERIES OFFER HIGH-ENERGY DENSITY

TABLE 16 LI-NMC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2017–2020 (UNITS)

TABLE 17 LI-NMC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2021–2031 (UNITS)

7.3 LITHIUM-IRON PHOSPHATE (LFP)

7.3.1 LONG LIFE CYCLE, HIGH CURRENT RATING, AND HIGH THERMAL STABILITY TO DRIVE MARKET

FIGURE 28 HIGH POWER DENSITY AND STABILITY TO BOOST ADOPTION OF LFP BATTERIES

TABLE 18 LFP: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2017–2020 (UNITS)

TABLE 19 LFP: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2021–2031 (UNITS)

7.4 LITHIUM-MANGANESE OXIDE (LMO)

7.4.1 LOWER INTERNAL RESISTANCE, HIGH THERMAL STABILITY, AND IMPROVED HANDLING OF CURRENT TO DRIVE DEMAND

FIGURE 29 DEMAND FOR LMO BATTERIES DRIVEN BY LOW COST

TABLE 20 LMO: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2017–2020 (UNITS)

TABLE 21 LMO: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2021–2031 (UNITS)

7.5 LITHIUM-TITANATE OXIDE (LTO)

7.5.1 INCREASED USE OF LTO BATTERIES IN ELECTRIC POWER TRAINS TO DRIVE MARKET

FIGURE 30 HIGH STABILITY, ENERGY, AND POWER DENSITY TO CREATE DEMAND FOR LTO BATTERIES

TABLE 22 LTO: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2017–2020 (UNITS)

TABLE 23 LTO: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2021–2031 (UNITS)

7.6 LITHIUM-NICKEL COBALT ALUMINUM OXIDE (NCA)

7.6.1 HIGHER CAPACITY AND HIGH ENERGY DENSITY OF NCA BATTERIES TO DRIVE HIGH DEMAND IN AUTOMOTIVE INDUSTRY

FIGURE 31 HIGH ENERGY DENSITY OF NCA BATTERIES FUELING DEMAND

TABLE 24 NCA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2017–2020 (UNITS)

TABLE 25 NCA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2021–2031 (UNITS)

## **8 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY RECYCLING PROCESS**

### **8.1 INTRODUCTION**

FIGURE 32 RECYCLING PROCESS OF LITHIUM-ION BATTERIES

TABLE 26 COMPARISON OF PROCESSES INVOLVED IN RECYCLING LI-ION BATTERIES

### **8.2 HYDROMETALLURGICAL PROCESS**

TABLE 27 ADVANTAGES AND DISADVANTAGES OF HYDROMETALLURGICAL PROCESS

### **8.3 PYROMETALLURGY PROCESS**

TABLE 28 ADVANTAGES AND DISADVANTAGES OF PYROMETALLURGICAL PROCESS

### **8.4 PHYSICAL/MECHANICAL PROCESS**

TABLE 29 ADVANTAGES AND DISADVANTAGES OF PHYSICAL/MECHANICAL PROCESS

### **8.5 MATERIALS PRESENT IN BATTERIES FOR RECYCLING**

TABLE 30 AVERAGE COMPOSITION OF VARIOUS COMPONENTS OF LITHIUM-ION BATTERIES, BY MATERIAL

TABLE 31 METAL CONTENT OF RECYCLED BATTERIES

TABLE 32 MAJOR RECOVERABLE METALS FROM VARIOUS BATTERY CHEMISTRIES AFTER RECYCLING

## **9 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION**

### **9.1 INTRODUCTION**

FIGURE 33 ASIA PACIFIC TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD

TABLE 33 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2017–2020 (UNITS)

TABLE 34 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2021–2031 (UNITS)

TABLE 35 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 36 ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY REGION, 2021–2031 (USD MILLION)

### **9.2 ASIA PACIFIC**

FIGURE 34 ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET

## SNAPSHOT

### 9.2.1 IMPACT OF RECESSION

TABLE 37 ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 38 ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2021–2031 (USD MILLION)

TABLE 39 ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2017–2020 (UNITS)

TABLE 40 ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2021–2031 (UNITS)

TABLE 41 ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 42 ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

TABLE 43 ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY BATTERY CHEMISTRY, 2017–2020 (UNITS)

TABLE 44 ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY BATTERY CHEMISTRY, 2021–2031 (UNITS)

### 9.2.2 CHINA

9.2.2.1 Growing sale of electric vehicles to drive market for electric vehicle battery recycling

TABLE 45 CHINA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 46 CHINA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

### 9.2.3 JAPAN

9.2.3.1 Government initiatives related to battery recycling to boost market growth

TABLE 47 JAPAN: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 48 JAPAN: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

### 9.2.4 SOUTH KOREA

9.2.4.1 Substantial growth in automotive sector to positively impact growth

TABLE 49 SOUTH KOREA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 50 SOUTH KOREA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

### 9.2.5 INDIA

9.2.5.1 Government initiatives toward cleaner energy to drive market

TABLE 51 INDIA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 52 INDIA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.2.6 AUSTRALIA

9.2.6.1 Supportive government policies to enhance electric battery recycling

TABLE 53 AUSTRALIA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 54 AUSTRALIA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.2.7 NEW ZEALAND

9.2.7.1 Government initiatives to incentivize EV adoption to support recycling of lithium batteries

TABLE 55 NEW ZEALAND: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 56 NEW ZEALAND: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.2.8 THAILAND

9.2.8.1 Rapid growth in electrification of vehicles to drive market

TABLE 57 THAILAND: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 58 THAILAND: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.2.9 SINGAPORE

9.2.9.1 Continuous advancements in battery technologies and recycling methods to drive market

TABLE 59 SINGAPORE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 60 SINGAPORE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.2.10 REST OF ASIA PACIFIC

TABLE 61 REST OF ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 62 REST OF ASIA PACIFIC: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

### 9.3 NORTH AMERICA

FIGURE 35 NORTH AMERICA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET SNAPSHOT

#### 9.3.1 IMPACT OF RECESSION

TABLE 63 NORTH AMERICA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 64 NORTH AMERICA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2021–2031 (USD MILLION)

TABLE 65 NORTH AMERICA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2017–2020 (UNITS)

TABLE 66 NORTH AMERICA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2021–2031 (UNITS)

TABLE 67 NORTH AMERICA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 68 NORTH AMERICA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

TABLE 69 NORTH AMERICA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY BATTERY CHEMISTRY, 2017–2020 (UNITS)

TABLE 70 NORTH AMERICA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY BATTERY CHEMISTRY, 2021–2031 (UNITS)

### 9.3.2 US

9.3.2.1 Dominant electric vehicle battery recycling market in North America

TABLE 71 US: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 72 US: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

### 9.3.3 CANADA

9.3.3.1 Stringent implementation of Canadian Environmental Protection Act supporting market growth

TABLE 73 CANADA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 74 CANADA: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

### 9.3.3.2 Mexico

9.3.3.2.1 Government initiatives to drive EV battery recycling market

TABLE 75 MEXICO: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 76 MEXICO: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

## 9.4 EUROPE

FIGURE 36 EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET SNAPSHOT

### 9.4.1 IMPACT OF RECESSION



TABLE 77 EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 78 EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2021–2031 (USD MILLION)

TABLE 79 EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2017–2020 (UNITS)

TABLE 80 EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY COUNTRY, 2021–2031 (UNITS)

TABLE 81 EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 82 EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

TABLE 83 EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY BATTERY CHEMISTRY, 2017–2020 (UNITS)

TABLE 84 EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY BATTERY CHEMISTRY, 2021–2031 (UNITS)

#### 9.4.2 FRANCE

9.4.2.1 Development in battery recycling technologies to fuel market growth

TABLE 85 FRANCE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 86 FRANCE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.4.3 GERMANY

9.4.3.1 Shift toward renewable energy to drive market

TABLE 87 GERMANY: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 88 GERMANY: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.4.4 NETHERLANDS

9.4.4.1 Growth in EV industry to propel battery recycling market

TABLE 89 NETHERLANDS: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 90 NETHERLANDS: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.4.5 UK

9.4.5.1 Surge in sales of electric vehicles to fuel EV battery recycling market

TABLE 91 UK: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 92 UK: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE,

2021–2031 (USD MILLION)

#### 9.4.6 ITALY

9.4.6.1 Increasing capacity to recycle batteries and electric vehicle sales to drive market

TABLE 93 ITALY: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 94 ITALY: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.4.7 SPAIN

9.4.7.1 Robust growth in adoption of plug-in hybrid and battery electric vehicles to support market

TABLE 95 SPAIN: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 96 SPAIN: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.4.8 NORWAY

9.4.8.1 Replacement of internal combustion engine vehicles with advanced EVs to drive market

TABLE 97 NORWAY: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 98 NORWAY: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.4.9 SWEDEN

9.4.9.1 Increasing adoption of EVs and environment consciousness to fuel market growth

TABLE 99 SWEDEN: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 100 SWEDEN: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

#### 9.4.10 REST OF EUROPE

TABLE 101 REST OF EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2017–2020 (USD MILLION)

TABLE 102 REST OF EUROPE: ELECTRIC VEHICLE BATTERY RECYCLING MARKET, BY SOURCE, 2021–2031 (USD MILLION)

## 10 COMPETITIVE LANDSCAPE

### 10.1 INTRODUCTION

### 10.2 KEY PLAYERS STRATEGIES/RIGHT TO WIN



## 10.2.1 OVERVIEW OF STRATEGIES ADOPTED BY ELECTRIC VEHICLE BATTERY RECYCLING COMPANIES

### 10.3 REVENUE ANALYSIS

FIGURE 37 REVENUE ANALYSIS OF KEY COMPANIES (2018-2022)

### 10.4 MARKET SHARE ANALYSIS

#### 10.4.1 RANKING OF KEY MARKET PLAYERS

FIGURE 38 RANKING OF KEY PLAYERS IN ELECTRIC VEHICLE BATTERY RECYCLING MARKET, 2022

#### 10.4.2 MARKET SHARE OF KEY PLAYERS

FIGURE 39 ELECTRIC VEHICLE BATTERY RECYCLING MARKET SHARE ANALYSIS

TABLE 103 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: DEGREE OF COMPETITION

10.4.2.1 Contemporary Amperex Technology Co., Limited

10.4.2.2 Glencore

10.4.2.3 GEM Co., Ltd.

10.4.2.4 ERAMET

10.4.2.5 Li-Cycle Corp

10.4.2.6 Umicore

10.4.2.7 BATX Energies

10.4.2.8 Cirba Solutions

10.4.2.9 ACCUREC-Recycling GmbH

10.4.2.10 Fortum

10.4.2.11 RecycLiCo Battery Materials, Inc.

### 10.5 COMPANY EVALUATION MATRIX (TIER 1)

#### 10.5.1 STARS

#### 10.5.2 EMERGING LEADERS

#### 10.5.3 PERVASIVE PLAYERS

#### 10.5.4 PARTICIPANTS

FIGURE 40 COMPANY EVALUATION MATRIX: EV BATTERY RECYCLING MARKET (TIER 1), 2022

### 10.6 COMPANY FOOTPRINT

FIGURE 41 COMPANY FOOTPRINT

TABLE 104 BATTERY CHEMISTRY FOOTPRINT

TABLE 105 RECYCLING PROCESS FOOTPRINT

TABLE 106 COMPANY REGION FOOTPRINT

### 10.7 STARTUP/SME EVALUATION MATRIX

#### 10.7.1 PROGRESSIVE COMPANIES

#### 10.7.2 RESPONSIVE COMPANIES

### 10.7.3 DYNAMIC COMPANIES

#### 10.7.4 STARTING BLOCKS

FIGURE 42 STARTUPS/SMES EVALUATION MATRIX: ELECTRIC VEHICLE BATTERY RECYCLING MARKET

### 10.8 COMPETITIVE BENCHMARKING

TABLE 107 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: DETAILED LIST OF KEY STARTUPS/SMES

TABLE 108 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

### 10.9 COMPETITIVE SCENARIO AND TRENDS

#### 10.9.1 DEALS

TABLE 109 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: DEALS (2019–2024)

#### 10.9.2 OTHER DEVELOPMENTS

TABLE 110 ELECTRIC VEHICLE BATTERY RECYCLING MARKET: OTHER DEVELOPMENTS (2019–2024)

## 11 COMPANY PROFILES

### 11.1 KEY PLAYERS

(Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View)\*

#### 11.1.1 UMICORE

TABLE 111 UMICORE: COMPANY OVERVIEW

FIGURE 43 UMICORE: COMPANY SNAPSHOT

TABLE 112 UMICORE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 113 UMICORE: DEALS

#### 11.1.2 NEOMETALS LTD.

TABLE 114 NEOMETALS LTD.: COMPANY OVERVIEW

TABLE 115 NEOMETALS LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 116 NEOMETALS LTD.: DEALS

TABLE 117 NEOMETALS LTD.: OTHERS

#### 11.1.3 LI-CYCLE CORP.

TABLE 118 LI-CYCLE CORP.: COMPANY OVERVIEW

FIGURE 44 LI-CYCLE CORP.: COMPANY SNAPSHOT

TABLE 119 LI-CYCLE CORP.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 120 LI-CYCLE CORP.: DEALS

TABLE 121 LI-CYCLE CORP.: OTHERS

#### 11.1.4 RECYCLICO BATTERY MATERIALS INC.

TABLE 122 RECYCLICO BATTERY MATERIALS INC.: COMPANY OVERVIEW

TABLE 123 RECYCLICO BATTERY MATERIALS INC.:

PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 124 RECYCLICO BATTERY MATERIALS INC.: DEALS

TABLE 125 RECYCLICO BATTERY MATERIALS INC.: OTHERS

11.1.5 ACCUREC-RECYCLING GMBH

TABLE 126 ACCUREC-RECYCLING GMBH: COMPANY OVERVIEW

TABLE 127 ACCUREC-RECYCLING GMBH: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 128 ACCUREC-RECYCLING GMBH: OTHERS

11.1.6 FORTUM

TABLE 129 FORTUM: COMPANY OVERVIEW

FIGURE 45 FORTUM: COMPANY SNAPSHOT

TABLE 130 FORTUM: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 131 FORTUM: DEALS

TABLE 132 FORTUM: OTHERS

11.1.7 CIRBA SOLUTIONS

TABLE 133 CIRBA SOLUTIONS: COMPANY OVERVIEW

TABLE 134 CIRBA SOLUTIONS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 135 CIRBA SOLUTIONS: DEALS

11.1.8 CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED

TABLE 136 CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED: COMPANY OVERVIEW

TABLE 137 CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 138 CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED: DEALS

TABLE 139 CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED: OTHERS

11.1.9 ECOBAT

TABLE 140 ECOBAT: COMPANY OVERVIEW

TABLE 141 ECOBAT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 142 ECOBAT: DEALS

TABLE 143 ECOBAT: OTHERS

11.1.10 TES

TABLE 144 TES: COMPANY OVERVIEW

TABLE 145 TES: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 146 TES: DEALS

TABLE 147 TES: OTHERS

11.1.11 STENA RECYCLING

TABLE 148 STENA RECYCLING: COMPANY OVERVIEW

TABLE 149 STENA RECYCLING: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 150 STENA RECYCLING: DEALS

TABLE 151 STENA RECYCLING: OTHERS

11.1.12 SHENZHEN HIGHPOWER TECHNOLOGY CO., LTD.

TABLE 152 SHENZHEN HIGHPOWER TECHNOLOGY CO., LTD.: COMPANY OVERVIEW

TABLE 153 SHENZHEN HIGHPOWER TECHNOLOGY CO., LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.1.13 REDWOOD MATERIALS INC.

TABLE 154 REDWOOD MATERIALS INC.: COMPANY OVERVIEW

TABLE 155 REDWOOD MATERIALS INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 156 REDWOOD MATERIALS INC.: DEALS

TABLE 157 REDWOOD MATERIALS INC.: OTHERS

11.1.14 GEM CO., LTD.

TABLE 158 GEM CO., LTD.: COMPANY OVERVIEW

FIGURE 46 GEM CO., LTD.: COMPANY SNAPSHOT

TABLE 159 GEM CO., LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 160 GEM CO., LTD.: DEALS

11.1.15 ASCEND ELEMENTS, INC.

TABLE 161 ASCEND ELEMENTS, INC.: COMPANY OVERVIEW

TABLE 162 ASCEND ELEMENTS, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 163 ASCEND ELEMENTS, INC.: DEALS

TABLE 164 ASCEND ELEMENTS, INC.: OTHERS

11.1.16 BATX ENERGIES

TABLE 165 BATX ENERGIES: COMPANY OVERVIEW

TABLE 166 BATX ENERGIES: PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.1.17 GLENCORE

TABLE 167 GLENCORE: COMPANY OVERVIEW

FIGURE 47 GLENCORE: COMPANY SNAPSHOT

TABLE 168 GLENCORE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 169 GLENCORE: DEALS

11.1.18 AUSTRALIAN BATTERY RECYCLING INITIATIVE

TABLE 170 AUSTRALIAN BATTERY RECYCLING INITIATIVE: COMPANY OVERVIEW

TABLE 171 AUSTRALIAN BATTERY RECYCLING INITIATIVE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.1.19 ACE GREEN RECYCLING

TABLE 172 ACE GREEN RECYCLING: COMPANY OVERVIEW

TABLE 173 ACE GREEN RECYCLING: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 174 ACE GREEN RECYCLING: DEALS

TABLE 175 ACE GREEN RECYCLING: OTHERS

11.1.20 PRIMOBIUS GMBH

TABLE 176 PRIMOBIUS GMBH: COMPANY OVERVIEW

TABLE 177 PRIMOBIUS GMBH: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 178 PRIMOBIUS GMBH: DEALS

TABLE 179 PRIMOBIUS GMBH: OTHERS

11.1.21 ATTERO RECYCLING PVT. LTD

TABLE 180 ATTERO RECYCLING PVT. LTD: COMPANY OVERVIEW

TABLE 181 ATTERO RECYCLING PVT. LTD: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 182 ATTERO RECYCLING PVT. LTD: DEALS

11.1.22 TRISHULAVEL ESHAN PVT. LTD. (LI-CIRCLE)

TABLE 183 TRISHULAVEL ESHAN PVT. LTD. (LI-CIRCLE): COMPANY OVERVIEW

TABLE 184 TRISHULAVEL ESHAN PVT. LTD. (LI-CIRCLE): PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.1.23 ERAMET

TABLE 185 ERAMET: COMPANY OVERVIEW

FIGURE 48 ERAMET: COMPANY SNAPSHOT

TABLE 186 ERAMET: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 187 ERAMET: DEALS

11.2 OTHER PLAYERS

11.2.1 ENVIROSTREAM AUSTRALIA PTY LTD.

TABLE 188 ENVIROSTREAM AUSTRALIA PTY LTD.: COMPANY OVERVIEW

TABLE 189 ENVIROSTREAM AUSTRALIA PTY LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 190 ENVIROSTREAM AUSTRALIA PTY LTD.: OTHERS

11.2.2 DUESENFELD GMBH

TABLE 191 DUESENFELD GMBH: COMPANY OVERVIEW

TABLE 192 DUESENFELD GMBH: PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.2.3 LITHION TECHNOLOGIES

TABLE 193 LITHION TECHNOLOGIES: COMPANY OVERVIEW

TABLE 194 LITHION TECHNOLOGIES: PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.2.4 BATREC INDUSTRIE

TABLE 195 BATREC INDUSTRIE: COMPANY OVERVIEW

TABLE 196 BATREC INDUSTRIE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.2.5 SITRASA

TABLE 197 SITRASA: COMPANY OVERVIEW

TABLE 198 SITRASA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.2.6 TATA CHEMICALS LIMITED.

TABLE 199 TATA CHEMICALS LIMITED: COMPANY OVERVIEW

TABLE 200 TATA CHEMICALS LIMITED: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 201 TATA CHEMICALS LIMITED: DEALS

11.2.7 EXIGO RECYCLING PVT. LTD.

TABLE 202 EXIGO RECYCLING PVT. LTD: COMPANY OVERVIEW

TABLE 203 EXIGO RECYCLING PVT. LTD: PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.2.8 ZIPTRAX

TABLE 204 ZIPTRAX: COMPANY OVERVIEW

TABLE 205 ZIPTRAX: PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.2.9 JX NIPPON

TABLE 206 JX NIPPON: COMPANY OVERVIEW

TABLE 207 JX NIPPON: PRODUCTS/SOLUTIONS/SERVICES OFFERED

\*Details on Business Overview, Products/Solutions/Services offered, Recent Developments, MnM View might not be captured in case of unlisted companies.

## **12 ADJACENT AND RELATED MARKETS**

12.1 INTRODUCTION

12.2 LIMITATIONS

12.3 ELECTRIC VEHICLE BATTERY RECYCLING INTERCONNECTED MARKETS

12.4 BATTERY RECYCLING MARKET

12.4.1 MARKET DEFINITION

12.4.2 MARKET OVERVIEW

12.4.3 LUBRICANTS MARKET, BY CHEMISTRY

TABLE 208 BATTERY RECYCLING MARKET, BY CHEMISTRY, 2018–2020 (USD MILLION)

TABLE 209 BATTERY RECYCLING MARKET, BY CHEMISTRY, 2021–2030 (USD MILLION)

TABLE 210 LEAD ACID BATTERIES: BATTERY RECYCLING MARKET, BY REGION, 2018–2020 (USD MILLION)

TABLE 211 LEAD ACID BATTERIES: BATTERY RECYCLING MARKET, BY REGION, 2021–2030 (USD MILLION)

TABLE 212 NICKEL-BASED BATTERIES: BATTERY RECYCLING MARKET, BY REGION, 2018–2020 (USD MILLION)

TABLE 213 NICKEL-BASED BATTERIES: BATTERY RECYCLING MARKET, BY REGION, 2021–2030 (USD MILLION)

TABLE 214 LITHIUM-BASED BATTERIES: BATTERY RECYCLING MARKET, BY REGION, 2018–2020 (USD MILLION)

TABLE 215 LITHIUM-BASED BATTERIES: BATTERY RECYCLING MARKET, BY REGION, 2021–2030 (USD MILLION)

TABLE 216 OTHERS: BATTERY RECYCLING MARKET, BY REGION, 2018–2020 (USD MILLION)

TABLE 217 OTHERS: BATTERY RECYCLING MARKET, BY REGION, 2021–2030 (USD MILLION)

## **13 APPENDIX**

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGESTORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

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