

North America Electric Vehicle Battery Reuse and Recycling Market 2022-2032 by Category (Reuse, Recycling), Battery Type (Lithium-ion, Nickel-metal, Lead-acid, Others), EV Type (BEV, HEV, PHEV, FCEV), Vehicle (Passenger, Commercial), End Use (Cars, Buses, Energy Storage Systems, Others), and Country: Trend Forecast and Growth Opportunity

<https://marketpublishers.com/r/N9F7BD94D710EN.html>

Date: November 2023

Pages: 127

Price: US\$ 2,380.00 (Single User License)

ID: N9F7BD94D710EN

Abstracts

North America electric vehicle battery reuse and recycling market is projected to grow by 41.6% annually in the forecast period and reach \$4.97 billion by 2032, driven by the need to reduce battery waste, costly battery disposal, the rising demand for urban vehicles, and a focus on sustainable transportation.

Highlighted with 62 tables and 49 figures, this 127-page report “North America Electric Vehicle Battery Reuse and Recycling Market 2022-2032 by Category (Reuse, Recycling), Battery Type (Lithium-ion, Nickel-metal, Lead-acid, Others), EV Type (BEV, HEV, PHEV, FCEV), Vehicle (Passenger, Commercial), End Use (Cars, Buses, Energy Storage Systems, Others), and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America electric vehicle battery reuse and recycling market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2020-2022 and provides forecast from 2023 till 2032 with 2022 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year, and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America electric vehicle battery reuse and recycling market in every aspect of the classification from perspectives of Category, Battery Type, EV Type, Vehicle, End Use, and Country.

Based on Category, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Reuse of EV Batteries

Recycling of EV Batteries

Hydro-metallurgical Process

Pyro-metallurgical Process

Other Processes

Based on Battery Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Lithium-ion Batteries

Lithium Ferro Phosphate (LFP) Battery

Lithium-ion Manganese Oxide (LMO)

Lithium-nickel-cobalt-aluminum Oxide (NCA)

Lithium-nickel-manganese-cobalt Oxide (NMC)

Lithium-titanate Oxide (LTO)

Nickel-metal Hydride Batteries

Lead-acid Batteries

Other Battery Types

By EV Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Battery Electric Vehicle (BEV)

Hybrid Electric Vehicle (HEV)

Plug-in Hybrid Electric Vehicle (PHEV)

Fuel Cell Electric Vehicle (FCEV)

By Vehicle, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Passenger EVs

Commercial Evs

By End Use, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Electric Cars

Electric Buses

Energy Storage Systems

Other End Uses

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and annual revenue (\$ mn) are available for 2022-2032. The breakdown of national markets by Category, Battery Type, and End Use over the forecast years are also included.

The report also covers the current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

ACCUREC Recycling GmbH

American Manganese Inc.

Battery Solutions

Bayerische Motoren Werke (BMW) AG

China Aviation Lithium Battery Company Limited

G & P Service

LI-CYCLE CORP.

Nissan Motor Co. Ltd.

Recupyl

Retriev Technologies

SITRASA

SNAM S.A.S. (FLORIDIENNE)

Tesla Inc.

Toshiba Corporation

Umicore

(Please note: The report will be updated before delivery so that the latest historical year is the base year, and the forecast covers at least 5 years over the base year.)

Contents

1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
 - 1.1.1 Industry Definition
 - 1.1.2 Research Scope
- 1.2 Research Methodology
 - 1.2.1 Overview of Market Research Methodology
 - 1.2.2 Market Assumption
 - 1.2.3 Secondary Data
 - 1.2.4 Primary Data
 - 1.2.5 Data Filtration and Model Design
 - 1.2.6 Market Size/Share Estimation
 - 1.2.7 Research Limitations
- 1.3 Executive Summary

2 MARKET OVERVIEW AND DYNAMICS

- 2.1 Market Size and Forecast
 - 2.1.1 Impact of COVID-19 on World Economy
 - 2.1.2 Impact of COVID-19 on the Market
 - 2.1.3 Impact of Russia-Ukraine Conflict: War Slows Economic Recovery
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

3 SEGMENTATION OF NORTH AMERICA MARKET BY CATEGORY

- 3.1 Market Overview by Category
- 3.2 Reuse of EV Batteries
- 3.3 Recycling of EV Batteries
 - 3.3.1 Hydro-metallurgical Process
 - 3.3.2 Pyro-metallurgical Process
 - 3.3.3 Other Processes

4 SEGMENTATION OF NORTH AMERICA MARKET BY BATTERY TYPE

- 4.1 Market Overview by Battery Type
- 4.2 Lithium-ion Batteries
 - 4.2.1 Lithium Ferro Phosphate (LFP) Battery
 - 4.2.2 Lithium-ion Manganese Oxide (LMO)
 - 4.2.3 Lithium-nickel-cobalt-aluminum Oxide (NCA)
 - 4.2.4 Lithium-nickel-manganese-cobalt Oxide (NMC)
 - 4.2.5 Lithium-titanate Oxide (LTO)
- 4.3 Nickel-metal Hydride Batteries
- 4.4 Lead-acid Batteries
- 4.5 Other Battery Types

5 SEGMENTATION OF NORTH AMERICA MARKET BY EV TYPE

- 5.1 Market Overview by EV Type
- 5.2 Battery Electric Vehicle (BEV)
- 5.3 Hybrid Electric Vehicle (HEV)
- 5.4 Plug-in Hybrid Electric Vehicle (PHEV)
- 5.5 Fuel Cell Electric Vehicle (FCEV)

6 SEGMENTATION OF NORTH AMERICA MARKET BY VEHICLE

- 6.1 Market Overview by Vehicle
- 6.2 Passenger EVs
- 6.3 Commercial EVs

7 SEGMENTATION OF NORTH AMERICA MARKET BY END USE

- 7.1 Market Overview by End Use
- 7.2 Electric Cars
- 7.3 Electric Buses
- 7.4 Energy Storage Systems
- 7.5 Other End Uses

8 NORTH AMERICA MARKET 2022-2032 BY COUNTRY

- 8.1 Overview of North America Market
- 8.2 U.S.
- 8.3 Canada
- 8.4 Mexico

9 COMPETITIVE LANDSCAPE

9.1 Overview of Key Vendors

9.2 New Product Launch, Partnership, Investment, and M&A

9.3 Company Profiles

ACCUREC Recycling GmbH

American Manganese Inc.

Battery Solutions

Bayerische Motoren Werke (BMW) AG

China Aviation Lithium Battery Company Limited

G & P Service

LI-CYCLE CORP.

Nissan Motor Co. Ltd.

Recupyl

Retriev Technologies

SITRASA

SNAM S.A.S. (FLORIDIENNE)

Tesla Inc.

Toshiba Corporation

Umicore

RELATED REPORTS

List Of Tables

LIST OF TABLES

Table 1. Snapshot of North America Electric Vehicle Battery Reuse and Recycling Market in Balanced Perspective, 2022-2032

Table 2. World Economic Outlook, 2021-2031

Table 3. World Economic Outlook, 2021-2023

Table 4. Scenarios for Economic Impact of Ukraine Crisis

Table 5. Main Product Trends and Market Opportunities in North America Electric Vehicle Battery Reuse and Recycling Market

Table 6. North America Electric Vehicle Battery Reuse and Recycling Market by Category, 2022-2032, \$ mn

Table 7. North America Electric Vehicle Battery Reuse and Recycling Market: Recycling of EV Batteries by Process, 2022-2032, \$ mn

Table 8. North America Electric Vehicle Battery Reuse and Recycling Market by Battery Type, 2022-2032, \$ mn

Table 9. North America Electric Vehicle Battery Reuse and Recycling Market: Lithium-ion Batteries by Type, 2022-2032, \$ mn

Table 10. North America Electric Vehicle Battery Reuse and Recycling Market by EV Type, 2022-2032, \$ mn

Table 11. North America Electric Vehicle Battery Reuse and Recycling Market by Vehicle, 2022-2032, \$ mn

Table 12. North America Electric Vehicle Battery Reuse and Recycling Market by End Use, 2022-2032, \$ mn

Table 13. North America Electric Vehicle Battery Reuse and Recycling Market by Country, 2022-2032, \$ mn

Table 14. U.S. Electric Vehicle Battery Reuse and Recycling Market by Category, 2022-2032, \$ mn

Table 15. U.S. Electric Vehicle Battery Reuse and Recycling Market by Battery Type, 2022-2032, \$ mn

Table 16. U.S. Electric Vehicle Battery Reuse and Recycling Market by End Use, 2022-2032, \$ mn

Table 17. Canada Electric Vehicle Battery Reuse and Recycling Market by Category, 2022-2032, \$ mn

Table 18. Canada Electric Vehicle Battery Reuse and Recycling Market by Battery Type, 2022-2032, \$ mn

Table 19. Canada Electric Vehicle Battery Reuse and Recycling Market by End Use, 2022-2032, \$ mn

Table 20. Mexico Electric Vehicle Battery Reuse and Recycling Market by Category, 2022-2032, \$ mn

Table 21. Mexico Electric Vehicle Battery Reuse and Recycling Market by Battery Type, 2022-2032, \$ mn

Table 22. Mexico Electric Vehicle Battery Reuse and Recycling Market by End Use, 2022-2032, \$ mn

Table 23. ACCUREC Recycling GmbH: Company Snapshot

Table 24. ACCUREC Recycling GmbH: Business Segmentation

Table 25. ACCUREC Recycling GmbH: Product Portfolio

Table 26. American Manganese Inc.: Company Snapshot

Table 27. American Manganese Inc.: Product Portfolio

Table 28. Battery Solutions: Company Snapshot

Table 29. Battery Solutions: Product Portfolio

Table 30. Bayerische Motoren Werke (BMW) AG: Company Snapshot

Table 31. Bayerische Motoren Werke (BMW) AG: Brands and Models

Table 32. Bayerische Motoren Werke (BMW) AG: Annual Production by Vehicle 2005-2019

Table 33. Bayerische Motoren Werke (BMW) AG: Annual Sales by Vehicle 2005-2019

Table 34. Bayerische Motoren Werke (BMW) AG: Revenue, 2017-2019, \$ bn

Table 35. Bayerische Motoren Werke (BMW) AG: % of Revenue by Region, 2018

Table 36. Bayerische Motoren Werke (BMW) AG: Recent Developments

Table 37. China Aviation Lithium Battery Company Limited: Company Snapshot

Table 38. G & P Service: Company Snapshot

Table 39. G & P Service: Product Portfolio

Table 40. LI-CYCLE CORP.: Company Snapshot

Table 41. LI-CYCLE CORP.: Product Portfolio

Table 42. Nissan Motor Co. Ltd.: Company Snapshot

Table 43. Nissan Motor Co. Ltd.: Revenue, 2018-2020, \$ bn

Table 44. Recupyl: Company Snapshot

Table 45. Recupyl: Product Portfolio

Table 46. Retrieval Technologies: Company Snapshot

Table 47. Retrieval Technologies: Product Portfolio

Table 48. SITRASA: Company Snapshot

Table 49. SITRASA: Product Portfolio

Table 50. SNAM S.A.S.: Company Snapshot

Table 51. SNAM S.A.S.: Product Portfolio

Table 52. SNAM S.A.S.: Revenue, 2017-2019, \$ mn

Table 53. Tesla Inc.: Company Snapshot

Table 54. Tesla Inc.: Business Segments

- Table 55. Tesla Inc.: Revenue, 2018-2020, \$ bn
- Table 56. Toshiba Corporation: Company Snapshot
- Table 57. Toshiba Corporation: Business Segments
- Table 58. Toshiba Corporation: Revenue, 2018-2020, \$ bn
- Table 59. Umicore: Company Snapshot
- Table 60. Umicore: Business Segments
- Table 61. Umicore: Product Portfolio
- Table 62. Umicore: Revenue, 2017-2019, ? bn

List Of Figures

LIST OF FIGURES

Figure 1. Research Method Flow Chart

Figure 2. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 3. North America Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2022-2032

Figure 4. North America Electric Vehicle Battery Reuse and Recycling Market, 2022-2032, \$ mn

Figure 5. Impact of COVID-19 on Business

Figure 6. Primary Drivers and Impact Factors of North America Electric Vehicle Battery Reuse and Recycling Market

Figure 7. Primary Restraints and Impact Factors of North America Electric Vehicle Battery Reuse and Recycling Market

Figure 8. Investment Opportunity Analysis

Figure 9. Porter's Fiver Forces Analysis of North America Electric Vehicle Battery Reuse and Recycling Market

Figure 10. Breakdown of North America Electric Vehicle Battery Reuse and Recycling Market by Category, 2022-2032, % of Revenue

Figure 11. North America Addressable Market Cap in 2023-2032 by Category, Value (\$ mn) and Share (%)

Figure 12. North America Electric Vehicle Battery Reuse and Recycling Market by Category: Reuse of EV Batteries, 2022-2032, \$ mn

Figure 13. North America Electric Vehicle Battery Reuse and Recycling Market by Category: Recycling of EV Batteries, 2022-2032, \$ mn

Figure 14. North America Electric Vehicle Recycling Market by Process: Hydro-metallurgical Process, 2022-2032, \$ mn

Figure 15. North America Electric Vehicle Recycling Market by Process: Pyro-metallurgical Process, 2022-2032, \$ mn

Figure 16. North America Electric Vehicle Recycling Market by Process: Other Processes, 2022-2032, \$ mn

Figure 17. Breakdown of North America Electric Vehicle Battery Reuse and Recycling Market by Battery Type, 2022-2032, % of Sales Revenue

Figure 18. North America Addressable Market Cap in 2023-2032 by Battery Type, Value (\$ mn) and Share (%)

Figure 19. North America Electric Vehicle Battery Reuse and Recycling Market by Battery Type: Lithium-ion Batteries, 2022-2032, \$ mn

Figure 20. North America Electric Vehicle Battery Reuse and Recycling Market by

Lithium-ion Batteries: Lithium Ferro Phosphate (LFP) Battery, 2022-2032, \$ mn

Figure 21. North America Electric Vehicle Battery Reuse and Recycling Market by

Lithium-ion Batteries: Lithium-ion Manganese Oxide (LMO), 2022-2032, \$ mn

Figure 22. North America Electric Vehicle Battery Reuse and Recycling Market by

Lithium-ion Batteries: Lithium-nickel-cobalt-aluminum Oxide (NCA), 2022-2032, \$ mn

Figure 23. North America Electric Vehicle Battery Reuse and Recycling Market by

Lithium-ion Batteries: Lithium-nickel-manganese-cobalt Oxide (NMC), 2022-2032, \$ mn

Figure 24. North America Electric Vehicle Battery Reuse and Recycling Market by

Lithium-ion Batteries: Lithium-titanate Oxide (LTO), 2022-2032, \$ mn

Figure 25. North America Electric Vehicle Battery Reuse and Recycling Market by

Battery Type: Nickel-metal Hydride Batteries, 2022-2032, \$ mn

Figure 26. North America Electric Vehicle Battery Reuse and Recycling Market by

Battery Type: Lead-acid Batteries, 2022-2032, \$ mn

Figure 27. North America Electric Vehicle Battery Reuse and Recycling Market by

Battery Type: Other Battery Types, 2022-2032, \$ mn

Figure 28. Breakdown of North America Electric Vehicle Battery Reuse and Recycling

Market by EV Type, 2022-2032, % of Sales Revenue

Figure 29. North America Addressable Market Cap in 2023-2032 by EV Type, Value (\$

mn) and Share (%)

Figure 30. North America Electric Vehicle Battery Reuse and Recycling Market by EV

Type: Battery Electric Vehicle (BEV), 2022-2032, \$ mn

Figure 31. North America Electric Vehicle Battery Reuse and Recycling Market by EV

Type: Hybrid Electric Vehicle (HEV), 2022-2032, \$ mn

Figure 32. North America Electric Vehicle Battery Reuse and Recycling Market by EV

Type: Plug-in Hybrid Electric Vehicle (PHEV), 2022-2032, \$ mn

Figure 33. North America Electric Vehicle Battery Reuse and Recycling Market by EV

Type: Fuel Cell Electric Vehicle (FCEV), 2022-2032, \$ mn

Figure 34. Breakdown of North America Electric Vehicle Battery Reuse and Recycling

Market by Vehicle, 2022-2032, % of Revenue

Figure 35. North America Addressable Market Cap in 2023-2032 by Vehicle, Value (\$

mn) and Share (%)

Figure 36. North America Electric Vehicle Battery Reuse and Recycling Market by

Vehicle: Passenger EVs, 2022-2032, \$ mn

Figure 37. North America Electric Vehicle Battery Reuse and Recycling Market by

Vehicle: Commercial EVs, 2022-2032, \$ mn

Figure 38. Breakdown of North America Electric Vehicle Battery Reuse and Recycling

Market by End Use, 2022-2032, % of Revenue

Figure 39. North America Addressable Market Cap in 2023-2032 by End Use, Value (\$

mn) and Share (%)

Figure 40. North America Electric Vehicle Battery Reuse and Recycling Market by End Use: Electric Cars, 2022-2032, \$ mn

Figure 41. North America Electric Vehicle Battery Reuse and Recycling Market by End Use: Electric Buses, 2022-2032, \$ mn

Figure 42. North America Electric Vehicle Battery Reuse and Recycling Market by End Use: Energy Storage Systems, 2022-2032, \$ mn

Figure 43. North America Electric Vehicle Battery Reuse and Recycling Market by End Use: Other End Uses, 2022-2032, \$ mn

Figure 44. Breakdown of North America Electric Vehicle Battery Reuse and Recycling Market by Country, 2022 and 2032, % of Revenue

Figure 45. Contribution to North America 2023-2032 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 46. U.S. Electric Vehicle Battery Reuse and Recycling Market, 2022-2032, \$ mn

Figure 47. Canada Electric Vehicle Battery Reuse and Recycling Market, 2022-2032, \$ mn

Figure 48. Electric Vehicle Battery Reuse and Recycling Market in Mexico, 2022-2032, \$ mn

Figure 49. Growth Stage of North America Electric Vehicle Battery Reuse and Recycling Industry over the Forecast Period

I would like to order

Product name: North America Electric Vehicle Battery Reuse and Recycling Market 2022-2032 by Category (Reuse, Recycling), Battery Type (Lithium-ion, Nickel-metal, Lead-acid, Others), EV Type (BEV, HEV, PHEV, FCEV), Vehicle (Passenger, Commercial), End Use (Cars, Buses, Energy Storage Systems, Others), and Country: Trend Forecast and Growth Opportunity

Product link: <https://marketpublishers.com/r/N9F7BD94D710EN.html>

Price: US\$ 2,380.00 (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/N9F7BD94D710EN.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