

## **Lithium Metal Market By Source (Salt Brine Deposits, Lithium-Rich Clays), By Application (Batteries, Alloys, Intermediate, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032**

Market Report | 2023-07-01 | 400 pages | Allied Market Research

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### **Report description:**

The lithium metal market was valued at \$4.3 billion in 2022 and is estimated to reach \$13.5 billion by 2032, exhibiting a CAGR of 12.1% from 2023 to 2032.

Lithium metal is a soft, silvery-white, highly reactive alkali metal with the chemical symbol "Li" and atomic number 3. It is the lightest metal and has a low density, making it highly flammable and requiring careful handling. Lithium is the third element on the periodic table and is located in Group 1, along with other alkali metals like sodium and potassium.

Lithium metal is known for its high electrochemical potential, making it a valuable component in various applications, most notably in lithium-ion batteries. These batteries are widely used in electronic devices, electric vehicles, and energy storage systems due to their high energy density and long life.

High reactivity of lithium metal with air and water requires special precautions during its storage and handling to prevent spontaneous combustion. Thus, pure lithium metal is typically used in controlled environments, research laboratories, and specialized applications.

The proliferation of smartphones, laptops, tablets, and other portable electronic devices is another key driver for the lithium metal market. Lithium-ion batteries are widely used in these devices due to their ability to offer long-lasting power in a compact form factor. This may act as one of the key drivers responsible for the growth of the lithium metal market in the growing portable electronics sector.

Moreover, lithium metal is used in various industrial applications, including heat transfer mediums and aerospace components. Its lightweight properties and excellent heat resistance make it desirable for specific industrial purposes. The increase in set-up of industrial units in both developed and developing economies such as the U.S., China, India, and others may lead the lithium metal market to witness a significant growth in demand.

The demand for lithium metal has been growing rapidly, primarily driven by the electric vehicle (EV) industry and the energy

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storage sector. However, there have been concerns about potential supply constraints due to the limited number of lithium metal producers and the time it takes to bring new lithium metal mining operations online. This supply-demand imbalance can lead to price volatility and affect the availability of lithium for various industries. This factor is projected to restrain the growth of the lithium metal market during the forecast period.

On the contrary, there are opportunities for sustainable mining practices and efficient recycling of lithium metal with increasing environmental awareness. Companies that adopt environmentally responsible approaches to lithium metal extraction and recycling are likely to gain a competitive advantage and meet the demand for ethically sourced lithium metal. These factors are anticipated to offer remunerative opportunities for the lithium metal market during the forecast period.

The lithium metal market is segmented on the basis of source, application, and region. On the basis of source, the market is categorized into salt brine deposits and lithium-rich clays. On the basis of application, it is divided into batteries, alloys, intermediate, and others. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

The global lithium metal market profiles leading players that include A123 Systems LLC, Albemarle Corporation., Allkem Limited, Ganfeng Lithium Co., Ltd., Livent, Mineral Resources Limited, Piedmont Lithium, Shenzhen Chengxin Lithium Group Co., Ltd., SQM S.A., Tianqi Lithium Industries Inc.

The global lithium metal market report provides in-depth competitive analysis as well as profiles of these major players.

#### Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the lithium metal market analysis from 2022 to 2032 to identify the prevailing lithium metal market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the lithium metal market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global lithium metal market trends, key players, market segments, application areas, and market growth strategies.

Additional benefits you will get with this purchase are:

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- Additional company profiles with specific to client's interest
- Additional country or region analysis- market size and forecast
- Historic market data
- Import Export Analysis/Data
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)
- List of customers/consumers/raw material suppliers- value chain analysis
- Market share analysis of players at global/region/country level
- SWOT Analysis
- Volume Market Size and Forecast

#### Key Market Segments

##### By Application

- Batteries
- Alloys
- Intermediate
- Others

##### By Source

- Salt Brine Deposits
- Lithium-Rich Clays

##### By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- UK
- France
- Spain
- Italy
- Rest of Europe
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- Ganfeng Lithium Co., Ltd.
- Livent
- Allkem Limited
- Albemarle Corporation.

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- A123 Systems LLC
- Piedmont Lithium
- SQM S.A.
- Mineral Resources Limited
- Tianqui Lithium Industries Inc.
- Shenzhen Chengxin Lithium Group Co., Ltd.

## **Table of Contents:**

### CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key market segments
- 1.3. Key benefits to the stakeholders
- 1.4. Research Methodology
  - 1.4.1. Primary research
  - 1.4.2. Secondary research
  - 1.4.3. Analyst tools and models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

### CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
  - 3.2.1. Top impacting factors
  - 3.2.2. Top investment pockets
- 3.3. Porter's five forces analysis
  - 3.3.1. Moderate bargaining power of suppliers
  - 3.3.2. Moderate threat of new entrants
  - 3.3.3. Moderate threat of substitutes
  - 3.3.4. Moderate intensity of rivalry
  - 3.3.5. Moderate bargaining power of buyers
- 3.4. Market dynamics
  - 3.4.1. Drivers
    - 3.4.1.1. Escalating demand from electric vehicle (EV) industry
    - 3.4.1.2. Robust demand from portable electronics sector.
    - 3.4.1.3. Energy Storage Solutions
    - 3.4.1.4. Increase in demand for industrial applications
  - 3.4.2. Restraints
    - 3.4.2.1. Supply & demand imbalance
    - 3.4.2.2. Geopolitical Factors
  - 3.4.3. Opportunities
    - 3.4.3.1. Sustainable mining and recycling
    - 3.4.3.2. Diversification of lithium metal sources
- 3.5. COVID-19 Impact Analysis on the market
- 3.6. Value Chain Analysis
- 3.7. Pricing Analysis

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### 3.8. Key Regulation Analysis

### 3.9. Patent Landscape

## CHAPTER 4: LITHIUM METAL MARKET, BY SOURCE

### 4.1. Overview

#### 4.1.1. Market size and forecast

### 4.2. Salt Brine Deposits

#### 4.2.1. Key market trends, growth factors and opportunities

#### 4.2.2. Market size and forecast, by region

#### 4.2.3. Market share analysis by country

### 4.3. Lithium-Rich Clays

#### 4.3.1. Key market trends, growth factors and opportunities

#### 4.3.2. Market size and forecast, by region

#### 4.3.3. Market share analysis by country

## CHAPTER 5: LITHIUM METAL MARKET, BY APPLICATION

### 5.1. Overview

#### 5.1.1. Market size and forecast

### 5.2. Batteries

#### 5.2.1. Key market trends, growth factors and opportunities

#### 5.2.2. Market size and forecast, by region

#### 5.2.3. Market share analysis by country

### 5.3. Alloys

#### 5.3.1. Key market trends, growth factors and opportunities

#### 5.3.2. Market size and forecast, by region

#### 5.3.3. Market share analysis by country

### 5.4. Intermediate

#### 5.4.1. Key market trends, growth factors and opportunities

#### 5.4.2. Market size and forecast, by region

#### 5.4.3. Market share analysis by country

### 5.5. Others

#### 5.5.1. Key market trends, growth factors and opportunities

#### 5.5.2. Market size and forecast, by region

#### 5.5.3. Market share analysis by country

## CHAPTER 6: LITHIUM METAL MARKET, BY REGION

### 6.1. Overview

#### 6.1.1. Market size and forecast By Region

### 6.2. North America

#### 6.2.1. Key trends and opportunities

#### 6.2.2. Market size and forecast, by Source

#### 6.2.3. Market size and forecast, by Application

#### 6.2.4. Market size and forecast, by country

##### 6.2.4.1. U.S.

###### 6.2.4.1.1. Key market trends, growth factors and opportunities

###### 6.2.4.1.2. Market size and forecast, by Source

###### 6.2.4.1.3. Market size and forecast, by Application

##### 6.2.4.2. Canada

###### 6.2.4.2.1. Key market trends, growth factors and opportunities

###### 6.2.4.2.2. Market size and forecast, by Source

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- 6.2.4.2.3. Market size and forecast, by Application
- 6.2.4.3. Mexico
  - 6.2.4.3.1. Key market trends, growth factors and opportunities
  - 6.2.4.3.2. Market size and forecast, by Source
  - 6.2.4.3.3. Market size and forecast, by Application
- 6.3. Europe
  - 6.3.1. Key trends and opportunities
  - 6.3.2. Market size and forecast, by Source
  - 6.3.3. Market size and forecast, by Application
  - 6.3.4. Market size and forecast, by country
    - 6.3.4.1. Germany
      - 6.3.4.1.1. Key market trends, growth factors and opportunities
      - 6.3.4.1.2. Market size and forecast, by Source
      - 6.3.4.1.3. Market size and forecast, by Application
    - 6.3.4.2. UK
      - 6.3.4.2.1. Key market trends, growth factors and opportunities
      - 6.3.4.2.2. Market size and forecast, by Source
      - 6.3.4.2.3. Market size and forecast, by Application
    - 6.3.4.3. France
      - 6.3.4.3.1. Key market trends, growth factors and opportunities
      - 6.3.4.3.2. Market size and forecast, by Source
      - 6.3.4.3.3. Market size and forecast, by Application
    - 6.3.4.4. Spain
      - 6.3.4.4.1. Key market trends, growth factors and opportunities
      - 6.3.4.4.2. Market size and forecast, by Source
      - 6.3.4.4.3. Market size and forecast, by Application
    - 6.3.4.5. Italy
      - 6.3.4.5.1. Key market trends, growth factors and opportunities
      - 6.3.4.5.2. Market size and forecast, by Source
      - 6.3.4.5.3. Market size and forecast, by Application
    - 6.3.4.6. Rest of Europe
      - 6.3.4.6.1. Key market trends, growth factors and opportunities
      - 6.3.4.6.2. Market size and forecast, by Source
      - 6.3.4.6.3. Market size and forecast, by Application
- 6.4. Asia-Pacific
  - 6.4.1. Key trends and opportunities
  - 6.4.2. Market size and forecast, by Source
  - 6.4.3. Market size and forecast, by Application
  - 6.4.4. Market size and forecast, by country
    - 6.4.4.1. China
      - 6.4.4.1.1. Key market trends, growth factors and opportunities
      - 6.4.4.1.2. Market size and forecast, by Source
      - 6.4.4.1.3. Market size and forecast, by Application
    - 6.4.4.2. India
      - 6.4.4.2.1. Key market trends, growth factors and opportunities
      - 6.4.4.2.2. Market size and forecast, by Source
      - 6.4.4.2.3. Market size and forecast, by Application

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- 6.4.4.3. Japan
  - 6.4.4.3.1. Key market trends, growth factors and opportunities
  - 6.4.4.3.2. Market size and forecast, by Source
  - 6.4.4.3.3. Market size and forecast, by Application
- 6.4.4.4. South Korea
  - 6.4.4.4.1. Key market trends, growth factors and opportunities
  - 6.4.4.4.2. Market size and forecast, by Source
  - 6.4.4.4.3. Market size and forecast, by Application
- 6.4.4.5. Australia
  - 6.4.4.5.1. Key market trends, growth factors and opportunities
  - 6.4.4.5.2. Market size and forecast, by Source
  - 6.4.4.5.3. Market size and forecast, by Application
- 6.4.4.6. Rest of Asia-Pacific
  - 6.4.4.6.1. Key market trends, growth factors and opportunities
  - 6.4.4.6.2. Market size and forecast, by Source
  - 6.4.4.6.3. Market size and forecast, by Application
- 6.5. LAMEA
  - 6.5.1. Key trends and opportunities
  - 6.5.2. Market size and forecast, by Source
  - 6.5.3. Market size and forecast, by Application
  - 6.5.4. Market size and forecast, by country
    - 6.5.4.1. Brazil
      - 6.5.4.1.1. Key market trends, growth factors and opportunities
      - 6.5.4.1.2. Market size and forecast, by Source
      - 6.5.4.1.3. Market size and forecast, by Application
    - 6.5.4.2. Saudi Arabia
      - 6.5.4.2.1. Key market trends, growth factors and opportunities
      - 6.5.4.2.2. Market size and forecast, by Source
      - 6.5.4.2.3. Market size and forecast, by Application
    - 6.5.4.3. South Africa
      - 6.5.4.3.1. Key market trends, growth factors and opportunities
      - 6.5.4.3.2. Market size and forecast, by Source
      - 6.5.4.3.3. Market size and forecast, by Application
    - 6.5.4.4. Rest of LAMEA
      - 6.5.4.4.1. Key market trends, growth factors and opportunities
      - 6.5.4.4.2. Market size and forecast, by Source
      - 6.5.4.4.3. Market size and forecast, by Application
- CHAPTER 7: COMPETITIVE LANDSCAPE
  - 7.1. Introduction
  - 7.2. Top winning strategies
  - 7.3. Product Mapping of Top 10 Player
  - 7.4. Competitive Dashboard
  - 7.5. Competitive Heatmap
  - 7.6. Top player positioning, 2022
- CHAPTER 8: COMPANY PROFILES
  - 8.1. Tianqui Lithium Industries Inc.
    - 8.1.1. Company overview

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- 8.1.2. Key Executives
- 8.1.3. Company snapshot
- 8.1.4. Operating business segments
- 8.1.5. Product portfolio
- 8.1.6. Business performance
- 8.2. Shenzhen Chengxin Lithium Group Co., Ltd.
- 8.2.1. Company overview
- 8.2.2. Key Executives
- 8.2.3. Company snapshot
- 8.2.4. Operating business segments
- 8.2.5. Product portfolio
- 8.3. SQM S.A.
- 8.3.1. Company overview
- 8.3.2. Key Executives
- 8.3.3. Company snapshot
- 8.3.4. Operating business segments
- 8.3.5. Product portfolio
- 8.3.6. Business performance
- 8.4. Piedmont Lithium
- 8.4.1. Company overview
- 8.4.2. Key Executives
- 8.4.3. Company snapshot
- 8.4.4. Operating business segments
- 8.4.5. Product portfolio
- 8.5. A123 Systems LLC
- 8.5.1. Company overview
- 8.5.2. Key Executives
- 8.5.3. Company snapshot
- 8.5.4. Operating business segments
- 8.5.5. Product portfolio
- 8.6. Ganfeng Lithium Co., Ltd.
- 8.6.1. Company overview
- 8.6.2. Key Executives
- 8.6.3. Company snapshot
- 8.6.4. Operating business segments
- 8.6.5. Product portfolio
- 8.6.6. Business performance
- 8.7. Livent
- 8.7.1. Company overview
- 8.7.2. Key Executives
- 8.7.3. Company snapshot
- 8.7.4. Operating business segments
- 8.7.5. Product portfolio
- 8.7.6. Business performance
- 8.8. Allkem Limited
- 8.8.1. Company overview
- 8.8.2. Key Executives

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- 8.8.3. Company snapshot
- 8.8.4. Operating business segments
- 8.8.5. Product portfolio
- 8.8.6. Business performance
- 8.9. Albemarle Corporation.
- 8.9.1. Company overview
- 8.9.2. Key Executives
- 8.9.3. Company snapshot
- 8.9.4. Operating business segments
- 8.9.5. Product portfolio
- 8.9.6. Business performance
- 8.10. Mineral Resources Limited
- 8.10.1. Company overview
- 8.10.2. Key Executives
- 8.10.3. Company snapshot
- 8.10.4. Operating business segments
- 8.10.5. Product portfolio
- 8.10.6. Business performance

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