

Global Si-Based Anode Materials Market Growth 2023-2029

<https://marketpublishers.com/r/G556A612D04AEN.html>

Date: March 2023

Pages: 106

Price: US\$ 3,660.00 (Single User License)

ID: G556A612D04AEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Silicon has been recognized as a one of the most promising anode materials to replace currently used graphite in the anodes of Li-ion batteries due to its high gravimetric theoretical lithium storage capacity. Fast charging is feasible due to the high porosity inherent to silicon anode solutions, while costs can be reduced because of silicon materials' high capacity, which results in lower material requirements. Silicon anodes are also considered safer because they help reduce the risk of lithium plating and dendrite formation, even though cycle and calendar life may need to be further demonstrated.

LPI (LP Information)' newest research report, the "Si-Based Anode Materials Industry Forecast" looks at past sales and reviews total world Si-Based Anode Materials sales in 2022, providing a comprehensive analysis by region and market sector of projected Si-Based Anode Materials sales for 2023 through 2029. With Si-Based Anode Materials sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Si-Based Anode Materials industry.

This Insight Report provides a comprehensive analysis of the global Si-Based Anode Materials landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Si-Based Anode Materials portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Si-Based Anode Materials market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Si-Based Anode Materials and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Si-Based Anode Materials.

The global Si-Based Anode Materials market size is projected to grow from US\$ 370.6 million in 2022 to US\$ 565.5 million in 2029; it is expected to grow at a CAGR of 565.5 from 2023 to 2029.

Global core silicon anode material manufacturers include BTR, Shin-Etsu Chemical, Daejoo Electronic Materials etc. The top 1 company hold a share about 50%. Asia-Pacific is the largest market, with a share about 80%, followed by Europe and North America with the share both about 8%. In terms of product, SiO/C is the largest segment, with a share over 65%. And in terms of application, the largest application is automotive.

This report presents a comprehensive overview, market shares, and growth opportunities of Si-Based Anode Materials market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

SiO/C

Si/C

Segmentation by application

Automotive

Consumer Electronics

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Hitachi Chemical

BTR

Shin-Etsu Chemical

Showa Denko

OSAKA Titanium Technologies

GS Caltex Corporation

Daejoo

Shanshan Corporation

Jiangxi Zichen Technology

Jiangxi Zhengtuo New Energy

Key Questions Addressed in this Report

What is the 10-year outlook for the global Si-Based Anode Materials market?

What factors are driving Si-Based Anode Materials market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Si-Based Anode Materials market opportunities vary by end market size?

How does Si-Based Anode Materials break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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