

Global Silicon Metal Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014-2025

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Abstracts

The metal Silicon is derived from quartz (SiO₂) and is the second most abundant element after oxygen. More than one-third of the electronic devices contain silicon due to its excellent semiconducting properties. Silicon is also used in the manufacturing of cements, mortars, ceramics, glass, polymers, solar cells, and microchips. The global silicon metal market is expected to grow at a CAGR of 5.1% from 2017 to 2025.

The global silicon metal market is segmented based on application and geography. Application-based classification of the silicon metal market yields aluminum alloys, silicones/silanes, semiconductors, and solar panels. Geographic breakdown and deep analysis of each of the aforesaid segments have resulted in the following regions: North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Increasing application of aluminum alloys in automotive, aerospace, and marine industries is expected to drive the silicon metal market.

Growth of electronic industry in the Asia-Pacific region is leading to a rise in the market.

Restraints:

High dependency on power costs, transportation, unavailability of raw materials, and production costs have hampered growth of the silicon metal market.

MARKET PLAYERS:

The top players in the global silicon metal market include Dow Corning Corporation, RIMA Group, MINASLIGAS, Ferroglobe PLC, Simcoa Operations Pty Ltd., Wacker Chemie AG, Yunnan Yongchang Silicon Industry Co., Ltd., Wynca Group, China National Bluestar (Group) Co, Ltd., and RW Silicium GmbH.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Applications

Aluminum Alloys

Silicones/Silanes

Semiconductors

Solar Panels

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Rest of Europe

Asia-Pacific

China

India

South Korea

Japan

Rest of Asia-Pacific

LAMEA

Brazil

Africa

Turkey

Rest of LAMEA

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