

# Monocrystalline Silicon (Si) Industry Research Report 2024

<https://marketpublishers.com/r/M4CF82730F4BEN.html>

Date: February 2024

Pages: 92

Price: US\$ 2,950.00 (Single User License)

ID: M4CF82730F4BEN

## Abstracts

This report aims to provide a comprehensive presentation of the global market for Monocrystalline Silicon (Si), with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Monocrystalline Silicon (Si).

The Monocrystalline Silicon (Si) market size, estimations, and forecasts are provided in terms of output/shipments (MT) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Monocrystalline Silicon (Si) market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the Monocrystalline Silicon (Si) manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

## Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing.

This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

LONGi New Energy

Zhonghuan

Comtec Solar

Yangguang Energy

Jinglong Group

Shin-Etsu Chemical

Sumco

GlobalWafers

Siltronic

SK Siltron

## Product Type Insights

Global markets are presented by Monocrystalline Silicon (Si) type, along with growth forecasts through 2030. Estimates on production and value are based on the price in the supply chain at which the Monocrystalline Silicon (Si) are procured by the manufacturers.

This report has studied every segment and provided the market size using historical

data. They have also talked about the growth opportunities that the segment may pose in the future. This study bestows production and revenue data by type, and during the historical period (2019-2024) and forecast period (2025-2030).

#### Monocrystalline Silicon (Si) segment by Type

4 Inch

6 Inch

8 Inch

12 Inch

Other

#### Application Insights

This report has provided the market size (production and revenue data) by application, during the historical period (2019-2024) and forecast period (2025-2030).

This report also outlines the market trends of each segment and consumer behaviors impacting the Monocrystalline Silicon (Si) market and what implications these may have on the industry's future. This report can help to understand the relevant market and consumer trends that are driving the Monocrystalline Silicon (Si) market.

#### Monocrystalline Silicon (Si) segment by Application

Solar Energy

Semiconductor

#### Regional Outlook

This section of the report provides key insights regarding various regions and the key players operating in each region. Economic, social, environmental, technological, and political factors have been taken into consideration while assessing the growth of the

particular region/country. The readers will also get their hands on the revenue and sales data of each region and country for the period 2019-2030.

The market has been segmented into various major geographies, including North America, Europe, Asia-Pacific, South America. Detailed analysis of major countries such as the USA, Germany, the U.K., Italy, France, China, Japan, South Korea, Southeast Asia, and India will be covered within the regional segment. For market estimates, data are going to be provided for 2023 because of the base year, with estimates for 2024 and forecast value for 2030.

## North America

U.S.

Canada

## Europe

Germany

France

U.K.

Italy

Russia

## Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

## Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

## COVID-19 and Russia-Ukraine War Influence Analysis

The readers in the section will understand how the Monocrystalline Silicon (Si) market scenario changed across the globe during the pandemic, post-pandemic and Russia-Ukraine War. The study is done keeping in view the changes in aspects such as demand, consumption, transportation, consumer behavior, supply chain management, export and import, and production. The industry experts have also highlighted the key factors that will help create opportunities for players and stabilize the overall industry in the years to come.

## Reasons to Buy This Report

This report will help the readers to understand the competition within the industries and

strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Monocrystalic Silicium (Si) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

This report will help stakeholders to understand the global industry status and trends of Monocrystalic Silicium (Si) and provides them with information on key market drivers, restraints, challenges, and opportunities.

This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

This report stays updated with novel technology integration, features, and the latest developments in the market

This report helps stakeholders to understand the COVID-19 and Russia-Ukraine War Influence on the Monocrystalic Silicium (Si) industry.

This report helps stakeholders to gain insights into which regions to target globally

This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Monocrystalic Silicium (Si).

This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Core Chapters

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Monocrystalline Silicon (Si) manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of Monocrystalline Silicon (Si) by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Monocrystalline Silicon (Si) in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

## Contents

### 1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
  - 1.5.1 Secondary Sources
  - 1.5.2 Primary Sources

### 2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Monocrystalline Silicon (Si) by Type
  - 2.2.1 Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)
    - 1.2.2 4 Inch
    - 1.2.3 6 Inch
    - 1.2.4 8 Inch
    - 1.2.5 12 Inch
    - 1.2.6 Other
- 2.3 Monocrystalline Silicon (Si) by Application
  - 2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)
  - 2.3.2 Solar Energy
  - 2.3.3 Semiconductor
- 2.4 Global Market Growth Prospects
  - 2.4.1 Global Monocrystalline Silicon (Si) Production Value Estimates and Forecasts (2019-2030)
  - 2.4.2 Global Monocrystalline Silicon (Si) Production Capacity Estimates and Forecasts (2019-2030)
  - 2.4.3 Global Monocrystalline Silicon (Si) Production Estimates and Forecasts (2019-2030)
  - 2.4.4 Global Monocrystalline Silicon (Si) Market Average Price (2019-2030)

### 3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global Monocrystalline Silicon (Si) Production by Manufacturers (2019-2024)



- 3.2 Global Monocrystalline Silicon (Si) Production Value by Manufacturers (2019-2024)
- 3.3 Global Monocrystalline Silicon (Si) Average Price by Manufacturers (2019-2024)
- 3.4 Global Monocrystalline Silicon (Si) Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Monocrystalline Silicon (Si) Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Monocrystalline Silicon (Si) Manufacturers, Product Type & Application
- 3.7 Global Monocrystalline Silicon (Si) Manufacturers, Date of Enter into This Industry
- 3.8 Global Monocrystalline Silicon (Si) Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

## **4 MANUFACTURERS PROFILED**

### 4.1 LONGi New Energy

- 4.1.1 LONGi New Energy Monocrystalline Silicon (Si) Company Information
- 4.1.2 LONGi New Energy Monocrystalline Silicon (Si) Business Overview
- 4.1.3 LONGi New Energy Monocrystalline Silicon (Si) Production Capacity, Value and Gross Margin (2019-2024)
- 4.1.4 LONGi New Energy Product Portfolio
- 4.1.5 LONGi New Energy Recent Developments

### 4.2 Zhonghuan

- 4.2.1 Zhonghuan Monocrystalline Silicon (Si) Company Information
- 4.2.2 Zhonghuan Monocrystalline Silicon (Si) Business Overview
- 4.2.3 Zhonghuan Monocrystalline Silicon (Si) Production Capacity, Value and Gross Margin (2019-2024)
- 4.2.4 Zhonghuan Product Portfolio
- 4.2.5 Zhonghuan Recent Developments

### 4.3 Comtec Solar

- 4.3.1 Comtec Solar Monocrystalline Silicon (Si) Company Information
- 4.3.2 Comtec Solar Monocrystalline Silicon (Si) Business Overview
- 4.3.3 Comtec Solar Monocrystalline Silicon (Si) Production Capacity, Value and Gross Margin (2019-2024)
- 4.3.4 Comtec Solar Product Portfolio
- 4.3.5 Comtec Solar Recent Developments

### 4.4 Yangguang Energy

- 4.4.1 Yangguang Energy Monocrystalline Silicon (Si) Company Information
- 4.4.2 Yangguang Energy Monocrystalline Silicon (Si) Business Overview
- 4.4.3 Yangguang Energy Monocrystalline Silicon (Si) Production Capacity, Value and Gross Margin (2019-2024)

- 4.4.4 Yangguang Energy Product Portfolio
- 4.4.5 Yangguang Energy Recent Developments
- 4.5 Jinglong Group
  - 4.5.1 Jinglong Group Monocrystalline Silicon (Si) Company Information
  - 4.5.2 Jinglong Group Monocrystalline Silicon (Si) Business Overview
  - 4.5.3 Jinglong Group Monocrystalline Silicon (Si) Production Capacity, Value and Gross Margin (2019-2024)
  - 4.5.4 Jinglong Group Product Portfolio
  - 4.5.5 Jinglong Group Recent Developments
- 4.6 Shin-Etsu Chemical
  - 4.6.1 Shin-Etsu Chemical Monocrystalline Silicon (Si) Company Information
  - 4.6.2 Shin-Etsu Chemical Monocrystalline Silicon (Si) Business Overview
  - 4.6.3 Shin-Etsu Chemical Monocrystalline Silicon (Si) Production Capacity, Value and Gross Margin (2019-2024)
  - 4.6.4 Shin-Etsu Chemical Product Portfolio
  - 4.6.5 Shin-Etsu Chemical Recent Developments
- 4.7 Sumco
  - 4.7.1 Sumco Monocrystalline Silicon (Si) Company Information
  - 4.7.2 Sumco Monocrystalline Silicon (Si) Business Overview
  - 4.7.3 Sumco Monocrystalline Silicon (Si) Production Capacity, Value and Gross Margin (2019-2024)
  - 4.7.4 Sumco Product Portfolio
  - 4.7.5 Sumco Recent Developments
- 4.8 GlobalWafers
  - 4.8.1 GlobalWafers Monocrystalline Silicon (Si) Company Information
  - 4.8.2 GlobalWafers Monocrystalline Silicon (Si) Business Overview
  - 4.8.3 GlobalWafers Monocrystalline Silicon (Si) Production Capacity, Value and Gross Margin (2019-2024)
  - 4.8.4 GlobalWafers Product Portfolio
  - 4.8.5 GlobalWafers Recent Developments
- 4.9 Siltronic
  - 4.9.1 Siltronic Monocrystalline Silicon (Si) Company Information
  - 4.9.2 Siltronic Monocrystalline Silicon (Si) Business Overview
  - 4.9.3 Siltronic Monocrystalline Silicon (Si) Production Capacity, Value and Gross Margin (2019-2024)
  - 4.9.4 Siltronic Product Portfolio
  - 4.9.5 Siltronic Recent Developments
- 4.10 SK Siltron
  - 4.10.1 SK Siltron Monocrystalline Silicon (Si) Company Information

- 4.10.2 SK Siltron Monocrystalic Silicium (Si) Business Overview
- 4.10.3 SK Siltron Monocrystalic Silicium (Si) Production Capacity, Value and Gross Margin (2019-2024)
- 4.10.4 SK Siltron Product Portfolio
- 4.10.5 SK Siltron Recent Developments

## **5 GLOBAL MONOCRYSTALIC SILICIUM (SI) PRODUCTION BY REGION**

- 5.1 Global Monocrystalic Silicium (Si) Production Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.2 Global Monocrystalic Silicium (Si) Production by Region: 2019-2030
  - 5.2.1 Global Monocrystalic Silicium (Si) Production by Region: 2019-2024
  - 5.2.2 Global Monocrystalic Silicium (Si) Production Forecast by Region (2025-2030)
- 5.3 Global Monocrystalic Silicium (Si) Production Value Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.4 Global Monocrystalic Silicium (Si) Production Value by Region: 2019-2030
  - 5.4.1 Global Monocrystalic Silicium (Si) Production Value by Region: 2019-2024
  - 5.4.2 Global Monocrystalic Silicium (Si) Production Value Forecast by Region (2025-2030)
- 5.5 Global Monocrystalic Silicium (Si) Market Price Analysis by Region (2019-2024)
- 5.6 Global Monocrystalic Silicium (Si) Production and Value, YOY Growth
  - 5.6.1 North America Monocrystalic Silicium (Si) Production Value Estimates and Forecasts (2019-2030)
  - 5.6.2 Europe Monocrystalic Silicium (Si) Production Value Estimates and Forecasts (2019-2030)
  - 5.6.3 China Monocrystalic Silicium (Si) Production Value Estimates and Forecasts (2019-2030)
  - 5.6.4 Japan Monocrystalic Silicium (Si) Production Value Estimates and Forecasts (2019-2030)

## **6 GLOBAL MONOCRYSTALIC SILICIUM (SI) CONSUMPTION BY REGION**

- 6.1 Global Monocrystalic Silicium (Si) Consumption Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 6.2 Global Monocrystalic Silicium (Si) Consumption by Region (2019-2030)
  - 6.2.1 Global Monocrystalic Silicium (Si) Consumption by Region: 2019-2030
  - 6.2.2 Global Monocrystalic Silicium (Si) Forecasted Consumption by Region (2025-2030)
- 6.3 North America

6.3.1 North America Monocrystalline Silicon (Si) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.3.2 North America Monocrystalline Silicon (Si) Consumption by Country (2019-2030)

6.3.3 U.S.

6.3.4 Canada

6.4 Europe

6.4.1 Europe Monocrystalline Silicon (Si) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.4.2 Europe Monocrystalline Silicon (Si) Consumption by Country (2019-2030)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific Monocrystalline Silicon (Si) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.5.2 Asia Pacific Monocrystalline Silicon (Si) Consumption by Country (2019-2030)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa Monocrystalline Silicon (Si) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.6.2 Latin America, Middle East & Africa Monocrystalline Silicon (Si) Consumption by Country (2019-2030)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

## **7 SEGMENT BY TYPE**

7.1 Global Monocrystalline Silicon (Si) Production by Type (2019-2030)

7.1.1 Global Monocrystalline Silicon (Si) Production by Type (2019-2030) & (MT)

- 7.1.2 Global Monocrystalline Silicon (Si) Production Market Share by Type (2019-2030)
- 7.2 Global Monocrystalline Silicon (Si) Production Value by Type (2019-2030)
  - 7.2.1 Global Monocrystalline Silicon (Si) Production Value by Type (2019-2030) & (US\$ Million)
  - 7.2.2 Global Monocrystalline Silicon (Si) Production Value Market Share by Type (2019-2030)
- 7.3 Global Monocrystalline Silicon (Si) Price by Type (2019-2030)

## **8 SEGMENT BY APPLICATION**

- 8.1 Global Monocrystalline Silicon (Si) Production by Application (2019-2030)
  - 8.1.1 Global Monocrystalline Silicon (Si) Production by Application (2019-2030) & (MT)
  - 8.1.2 Global Monocrystalline Silicon (Si) Production by Application (2019-2030) & (MT)
- 8.2 Global Monocrystalline Silicon (Si) Production Value by Application (2019-2030)
  - 8.2.1 Global Monocrystalline Silicon (Si) Production Value by Application (2019-2030) & (US\$ Million)
  - 8.2.2 Global Monocrystalline Silicon (Si) Production Value Market Share by Application (2019-2030)
- 8.3 Global Monocrystalline Silicon (Si) Price by Application (2019-2030)

## **9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET**

- 9.1 Monocrystalline Silicon (Si) Value Chain Analysis
  - 9.1.1 Monocrystalline Silicon (Si) Key Raw Materials
  - 9.1.2 Raw Materials Key Suppliers
  - 9.1.3 Monocrystalline Silicon (Si) Production Mode & Process
- 9.2 Monocrystalline Silicon (Si) Sales Channels Analysis
  - 9.2.1 Direct Comparison with Distribution Share
  - 9.2.2 Monocrystalline Silicon (Si) Distributors
  - 9.2.3 Monocrystalline Silicon (Si) Customers

## **10 GLOBAL MONOCRYSTALLINE SILICON (SI) ANALYZING MARKET DYNAMICS**

- 10.1 Monocrystalline Silicon (Si) Industry Trends
- 10.2 Monocrystalline Silicon (Si) Industry Drivers
- 10.3 Monocrystalline Silicon (Si) Industry Opportunities and Challenges
- 10.4 Monocrystalline Silicon (Si) Industry Restraints

## **11 REPORT CONCLUSION**

## 12 DISCLAIMER

## I would like to order

Product name: Monocrystalline Silicon (Si) Industry Research Report 2024

Product link: <https://marketpublishers.com/r/M4CF82730F4BEN.html>

Price: US\$ 2,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M4CF82730F4BEN.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