

Silicon and Ferrosilicon: Market Research Report

<https://marketpublishers.com/r/S066BEDBCB2EN.html>

Date: December 2018

Pages: 342

Price: US\$ 5,600.00 (Single User License)

ID: S066BEDBCB2EN

Abstracts

This report analyzes the worldwide markets for Silicon and Ferrosilicon in Metric Tons by the following End-Use Applications: Silicon - Metallurgy, Chemicals, Semiconductors, and Others; Ferrosilicon - Ferrous Foundry, Steel Industry, and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America.

Annual estimates and forecasts are provided for the period 2016 through 2024.

Also, a five-year historic analysis is provided for these markets.

Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs.

The report profiles 44 companies including many key and niche players such as -

AMG Advanced Metallurgical Group N.V.

China National BlueStar (Group) Co., Ltd.

DowDuPont, Inc.

Evonik Industries AG

Ferroglobe PLC

Mitsubishi Materials Corporation

Contents

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations

Disclaimers

Data Interpretation & Reporting Level

Quantitative Techniques & Analytics

Product Definitions and Scope of Study

Silicon

Ferrosilicon

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW

Silicon and Ferrosilicon: Essential Materials for Various End-Use Industries

Silicon Market: Metallurgy and Chemicals Industries Drive Growth

End-Uses Market Dynamics of Silicon

Asia-Pacific Spearheads Growth in Silicon Market

Ferrosilicon Market – Positive Outlook in Store

Deoxidizer in Steel Production and Inoculant in Casting Industry – Major Applications of FeSi

Steel Production Leads the FeSi Market

Asia-Pacific Spearheads Growth in FeSi Consumption

Silicon and Ferrosilicon Production

Table 1. Leading Silicon Producing Countries in the World: Production Volume in Thousand Metric Tons for the Years 2016 and 2017 (includes corresponding Graph/Chart)

Table 2. Global Ferrosilicon Production by Country/ Region (2016) - Percentage Breakdown of Production Volume for Brazil, China, Europe, India, Malaysia, Russia, US and Others (includes corresponding Graph/Chart)

Competitive Landscape

Table 3. Leading Players in the Global Silicon Metal Market (2016): Percentage Breakdown of Production Capacity for Chinese Producers, Dow Corning, Elkem, Ferroglobe, Rima, Simcoa, UC Rusal, Wacker and Others (includes corresponding Graph/Chart)

Table 4. Leading Producers of Ferrosilicon & Other Silicon Alloys Worldwide (2016): Breakdown of Production Capacity in Thousand Tons for CHEMK, Elkem, Ferroglobe and Privat Group (includes corresponding Graph/Chart)

Table 5. Leading Players in the Global Silicon Wafers Market (2017): Percentage Breakdown of Sales for GlobalWafers, Shin-Etsu, Siltronic, Sumco and Others (includes corresponding Graph/Chart)

2. MARKET TRENDS, ISSUES & DRIVERS

Demand for Crude, Finished and Recycled Steel: Strong Growth Driver for Ferrosilicon
Global Steel Production and Demand Trends Sets the Tone for FeSi Market

Table 6. Global Crude Steel Production in Million Tonnes by Region for 2016 and 2017 (includes corresponding Graph/Chart)

Table 7. World Crude Steel Production Volume in Million Tonnes for Years 2010 through 2017 (includes corresponding Graph/Chart)

Table 8. Top 10 Countries Producing Crude Steel Worldwide - Ranked by Production Volume in Million Tonnes for the Years 2016 and 2017 (includes corresponding Graph/Chart)

Table 9. Global Steel Market by Region - Breakdown of Demand in Million Tonnes for the Years 2016-2018 (includes corresponding Graph/Chart)

Table 10. Global Steel Consumption by End-Use Segment (2017): Percentage Breakdown of Volume Consumption for Automotive, Construction, Mechanical Engineering, Metal Products, Oil & Gas Exploration and Others (includes corresponding Graph/Chart)

Table 11. World Apparent Steel Use Per Capita in Kg Crude Steel by Region/Country for 2016 (includes corresponding Graph/Chart)

Table 12. World Apparent Steel Use per Capita in kg Finished Steel Products by Region/Country for 2016 (includes corresponding Graph/Chart)

Rising Demand for Recycled Steel Boosts Sales

Increasing Proliferation of Semiconductors in Electronics and Communication Devices

Spurs Demand for Silicon

Table 13. Global Semiconductor Market Revenues in \$ Billion for the Years 2015 through 2018 (includes corresponding Graph/Chart)

Table 14. Global Semiconductor Market by Region (2017): Percentage Breakdown of Revenues for Americas, Asia-Pacific, Europe, Japan (includes corresponding Graph/Chart)

Table 15. Global Semiconductor Market by Product Segment (2017): Percentage Breakdown of Revenues for Discrete Semiconductors, Integrated Circuits, Optoelectronics and Sensors (includes corresponding Graph/Chart)

Table 16. Global Semiconductor Market by End-Use Sector (2017): Percentage Breakdown of Revenues for Automotive, Communications, Computers, Consumer and Industrial & Government (includes corresponding Graph/Chart)

Table 17. Global Semiconductor Silicon Wafer Market: Percentage Breakdown of Value Sales by Application for 2017 (includes corresponding Graph/Chart)

Global Silicon Wafers Market on the Growth Trajectory

Table 18. Global Silicon Wafer Shipments in Millions of Square Inches for Semiconductor Applications for the Years 2015 through 2018 (includes corresponding Graph/Chart)

Increasing Popularity of Silicon-On-Insulator Devices Promote Silicon Demand

Positive Growth Trends in the Solar PV Industry Strengthens Market Prospects

Table 19. Top 10 Countries Ranked by Installed Solar PV Capacity in GW for the Year 2016 (includes corresponding Graph/Chart)

Mono c-Si PV Module Technology to Capture Increasing Market Share

Table 20. Global Solar PV Market by Module Technology (2017): Percentage Breakdown of Shipments for Mono Si Modules, Multi Si Modules and Others (includes corresponding Graph/Chart)

Rising PV Installations: A Major Factor Responsible for Soaring Polysilicon Prices

Table 21. Global Annual Installations of PV in GWp for the Years 2014 through 2017 (includes corresponding Graph/Chart)

Table 22. Global Polysilicon Market (2017): Percentage Breakdown of Production Volume by Country (includes corresponding Graph/Chart)

Fumed Silica Market – Expanding Applications Augur Well for Market Growth

Table 23. Global Fumed Silica Market by Application (2017): Percentage Breakdown of Value Sales for Adhesive & Silants, Battery Gel, Cosmetics, Paints & Coating, Pharmaceutical, Silicon Rubber, Unsaturated Polyester Resin (UPR) and Others (includes corresponding Graph/Chart)

Steady Demand from End-use Industries Propels Growth in Silicon Carbide Market

Table 24. Global Silicon Carbide Market for Semiconductor Applications: Percentage Breakdown of Value Sales by End-Use for 2017 (includes corresponding Graph/Chart)

Table 25. Top Countries Producing Silicon Carbide Worldwide: Percentage Breakdown of Production Volume by Country for 2017 (includes corresponding Graph/Chart)

Increase in Construction Activity Bodes Well for the Market

Table 26. Global Construction Output by Country (2016): Breakdown of Construction Output (US\$ Billion) and Percentage Change by 2022 (includes corresponding Graph/Chart)

Table 27. Growth in the Global Construction Market by Sector: 2018-2022 (includes corresponding Graph/Chart)

Stable Automobile Production Trends Present Positive Prospects for Si and FeSi Market

Table 28. Global Automobile Production in Million Units for the Years 2016, 2018 & 2020 (includes corresponding Graph/Chart)

Positive Global Economy Buys General Market Optimism

Table 29. World Real GDP Growth Rates in % by Country/Region for the Period 2016-2019 (includes corresponding Graph/Chart)

Table 30. Global Manufacturing Purchasing Managers' Index (PMI) Points for the Years 2012 through 2017 (includes corresponding Graph/Chart)

3. KEY ISSUES AND THREATS CONFRONTING THE MARKET

Silicon and Ferrosilicon Prices: Highly Sensitive to Soaring Energy Costs

Amorphous Silicon Thin-Film Market Shrinking!

Smaller Companies Face High Entry Barriers to Establish New Polysilicon Production Capacities

Thin Film PV: A Threat to Crystalline Silicon Technology

Table 31. Comparison of Solar Cell Efficiencies for Crystalline Silicon and Thin Films with respect to Temperature (includes corresponding Graph/Chart)

Table 32. Efficiency Drop of Crystalline Silicon Technology with respect to Different Conditions

Growing Popularity of Silicon-Free Defoamers Casts a Dampener

4. PRODUCT OVERVIEW

Silicon

Definition
Physical Properties
Production Process
Production of High Purity Float Zone (HPFZ) Silicon
Chemical Variants
Silicon Carbide
Applications of SiC
Fumed and Activated Silica
Silicon Substitutes
Medicinal Properties
Ferrosilicon
Ferrosilicon Substitutes

5. RECENT INDUSTRY ACTIVITY

Nexeo Solutions and Cabot Ink Distribution Agreement
Evonik to Invest to Expand Fumed Silica Capacity in Antwerp
American Alloy Acquisition to Acquire CC Metals & Alloys
Cabot and Hengyecheng Silicone Commence Construction of New Fumed Silica Plant in China
Cabot to Build New Facility for Fumed Silica in Kentucky
Elkem Acquires Two Manufacturing Plants in China
Mitsubishi Materials Develops Technology for Manufacturing Columnar Crystal Silicon
Eusider Inks Exclusive Distribution Agreement with Iran Ferroalloys Industries Company
Wacker Chemie Establishes New Plant for HDK Pyrogenic Silica in Tennessee
Wacker Chemie Expands Production Capacity of HDK Pyrogenic Silica
Elkem Acquires Fesil
Azerbaijan to Commence Production of FeSi and FeSiMn

6. FOCUS ON SELECT GLOBAL PLAYERS

AMG Advanced Metallurgical Group N. V. (The Netherlands)
China National BlueStar (Group) Co., Ltd. (China)
Elkem AS (Norway)
The Lanzhou BlueStar Silicon Materials Co., Ltd. (China)
DowDuPont, Inc. (USA)
Hemlock Semiconductor Corporation (USA)
Evonik Industries AG (Germany)
Ferroglobe PLC (UK)

Mitsubishi Materials Corporation (Japan)
Mitsubishi Polysilicon America Corporation (USA)
OSAKA Titanium Technologies Co., Ltd. (Japan)
REC Silicon ASA (Norway)
Simcoa (Silicon Metal Company of Australia) Operations Pty Ltd. (Australia)
Shin-Etsu Chemical Co., Ltd. (Japan)
Sumco Corporation (Japan)
The Rima Group (Brazil)
Tokuyama Corporation (Japan)
Wacker Chemie AG (Germany)

7. GLOBAL MARKET PERSPECTIVE

Global Silicon and Ferrosilicon Market: Analytics by Geographic Region

Table 33. World Recent Past, Current and Future Analysis for Silicon and Ferrosilicon by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 34. World Historic Review for Silicon and Ferrosilicon by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 35. World 14-Year Perspective for Silicon and Ferrosilicon by Geographic Region - Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Global Silicon Market: Analytics by Geographic Region

Table 36. World Recent Past, Current and Future Analysis for Silicon by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding

Graph/Chart)

Table 37. World Historic Review for Silicon by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 38. World 14-Year Perspective for Silicon by Geographic Region - Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Global Silicon Market: Analytics by End-Use Segment

Table 39. World Recent Past, Current and Future Analysis for Silicon in Metallurgy Industry by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 40. World Historic Review for Silicon in Metallurgy Industry by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 41. World 14-Year Perspective for Silicon in Metallurgy Industry by Geographic Region - Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 42. World Recent Past, Current and Future Analysis for Silicon in Chemical Industry by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 43. World Historic Review for Silicon in Chemical Industry by Geographic Region

- US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 44. World 14-Year Perspective for Silicon in Chemical Industry by Geographic Region - Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 45. World Recent Past, Current and Future Analysis for Silicon in Semiconductor Industry by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 46. World Historic Review for Silicon in Semiconductor Industry by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 47. World 14-Year Perspective for Silicon in Semiconductor Industry by Geographic Region - Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 48. World Recent Past, Current And Future Analysis for Silicon in Other End-Use Industries by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 49. World Historic Review for Silicon in Other End-Use Industries by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 50. World 14-Year Perspective for Silicon in Other End-Use Industries by

Geographic Region - Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Global Ferrosilicon Market: Analytics by Geographic Region

Table 51. World Recent Past, Current and Future Analysis for Ferrosilicon by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 52. World Historic Review for Ferrosilicon by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 53. World 14-Year Perspective for Ferrosilicon by Geographic Region - Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Global Ferrosilicon Market: Analytics by End-Use Segment

Table 54. World Recent Past, Current and Future Analysis for Ferrosilicon in Ferrous Foundry Industry by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 55. World Historic Review for Ferrosilicon in Ferrous Foundry Industry by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 56. World 14-Year Perspective for Ferrosilicon in Ferrous Foundry Industry by

Geographic Region - Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 57. World Recent Past, Current and Future Analysis for Ferrosilicon in Steel Industry by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 58. World Historic Review for Ferrosilicon in Steel Industry by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 59. World 14-Year Perspective for Ferrosilicon in Steel Industry by Geographic Region - Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 60. World Recent Past, Current and Future Analysis for Ferrosilicon in Other End-Use Industries by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 61. World Historic Review for Ferrosilicon in Other End-Use Industries by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 62. World 14-Year Perspective for Ferrosilicon in Other End-Use Industries by Geographic Region - Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa and Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES

A. Market Analysis

Conventional and Emerging Applications Fuel Market Growth
Production Scenario

Table 63. Ferrosilicon and Silicon Production in Thousand Metric Tons in the US for the Years 2013 through 2017 (includes corresponding Graph/Chart)

Table 64. Average Price (in Cents per Pound) of Ferrosilicon Grades and Silicon in the US for the Years 2013 through 2017 (includes corresponding Graph/Chart)

Construction Market Dynamics Provide Positive Outlook for the Silicon and FeSi Market

Table 65. Construction Spending in the US (2015-2017): Breakdown of Annual Construction Value in US\$ Million by Type of Construction (includes corresponding Graph/Chart)

Table 66. Residential Construction in the US (2007-2017): Number of Housing Starts by Type - Single-Family Units and Multi-Family Units (in '000) (includes corresponding Graph/Chart)

Auto Sales and Production Trends Shape Dynamics of Silicon and Ferrosilicon Market
Automotive Aluminum – A Key User of Silicon

Table 67. Aluminum Content in Pounds Per Light Vehicle in North America for the Years 1990, 1995, 2000, 2005, 2010, 2015, 2020 & 2025 (includes corresponding Graph/Chart)

Table 68. Aluminum as % of Total Vehicle Curb Weight of Light Vehicles in North America for the Years 2012, 2016 and 2020 (includes corresponding Graph/Chart)

Competition

Table 69. Leading Players in the North American Silicon Market (2016): Percentage

Breakdown of Production Capacity for Dow Corning, Ferroglobe and Mississippi Silicon
(includes corresponding Graph/Chart)

Table 70. Leading Players in the North American Ferrosilicon Market (2016):
Percentage Breakdown of Production Capacity for CC Metals and Alloys, Elkem and
Ferroglobe (includes corresponding Graph/Chart)

Trade Statistics

Table 71. Silicon Imports in the US (2013-2016): Percentage Breakdown of Import
Volume by Country (includes corresponding Graph/Chart)

Table 72. Ferrosilicon Imports in the US (2013-2016): Percentage Breakdown of Import
Volume by Country (includes corresponding Graph/Chart)

Table 73. US Exports of Silicon (Not Less Than 99.9 9% Pure) (2017): Percentage
Breakdown of Export Value by Destination Country (includes corresponding
Graph/Chart)

Table 74. US Imports of Silicon (Not Less Than 99.9 9% Pure) (2017): Percentage
Breakdown of Import Value by Origin Country (includes corresponding Graph/Chart)

Table 75. US Exports of Ferrosilicon (More Than 55% Of Silicon) (2017): Percentage
Breakdown of Export Value by Destination Country (includes corresponding
Graph/Chart)

Table 76. US Imports of Ferrosilicon (More than 55% of Silicon) (2017): Percentage
Breakdown of Import Value by Origin Country (includes corresponding Graph/Chart)

Table 77. US Exports of Ferrosilicon (55% or Less of Silicon) (2017): Percentage
Breakdown of Export Value by Destination Country (includes corresponding
Graph/Chart)

Table 78. US Imports Of Ferrosilicon (55% Or Less Of Silicon) (2017): Percentage
Breakdown of Import Value by Origin Country (includes corresponding Graph/Chart)

Strategic Corporate Developments
Select Players

B. Market Analytics

Table 79. US Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 80. US Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 81. US 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 82. US Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 83. US Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 84. US 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

2. CANADA

A. Market Analysis Market Overview

Table 85. Silicon Production in Thousand Metric tons in Canada for the Years 2011 through 2017 (includes corresponding Graph/Chart)

Construction Sector – An Overview

Table 86. Housing Starts in Canada (2009-2017) (in '000 Units) (includes corresponding Graph/Chart)

Trade Statistics

Table 87. Canadian Exports of Silicon (Not Less Than 99.9 9% Pure) (2017): Percentage Breakdown of Export Value by Destination Country (includes corresponding Graph/Chart)

Table 88. Canadian Imports of Silicon (Not Less Than 99.9 9% Pure) (2017): Percentage Breakdown of Import Value by Origin Country (includes corresponding Graph/Chart)

Table 89. Canadian Exports of Ferrosilicon (More than 55% Of Silicon) (2017): Percentage Breakdown of Export Value by Destination Country (includes corresponding Graph/Chart)

Table 90. Canadian Imports of Ferrosilicon (More than 55% of Silicon) (2017): Percentage Breakdown of Import Value by Origin Country (includes corresponding Graph/Chart)

Table 91. Canadian Exports of Ferrosilicon (55% or Less of Silicon) (2017): Percentage Breakdown of Export Value by Destination Country (includes corresponding Graph/Chart)

Table 92. Canadian Imports of Ferrosilicon (55% or Less of Silicon) (2017): Percentage Breakdown of Import Value by Origin Country (includes corresponding Graph/Chart)

B. Market Analytics

Table 93. Canadian Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 94. Canadian Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 95. Canadian 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 96. Canadian Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 97. Canadian Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 98. Canadian 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

3. JAPAN

A. Market Analysis

Market Overview

Overview of Major End-Use Markets of Silicon and Ferrosilicon

Steel Industry

Table 99. Crude Steel Production in Thousand Metric Tons in Japan for the Years 2014 through 2017 (includes corresponding Graph/Chart)

Construction

Automotive

Strategic Corporate Development

Select Players

B. Market Analytics

Table 100. Japanese Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 101. Japanese Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 102. Japanese 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 103. Japanese Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 104. Japanese Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 105. Japanese 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

4. EUROPE

A. Market Analysis

Current and Future Analysis

Steel Demand Dynamics Impact Market Growth

Table 106. Steel demand in the EU - Percentage Growth in Total Output of Steel-Consuming Sectors for the Years 2017, 2018 and 2019 (includes corresponding

Graph/Chart)

Positive Outlook for the Construction Industry Augurs Well for the Silicon and FeSi Market

Table 107. Construction Output Year on Year Change in % Europe for the Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 108. Construction Industry in Europe: Percentage Year on Year Change of Construction Output by Segment for the Years 2016 through 2019 (includes corresponding Graph/Chart)

Competitive Landscape

Table 109. Leading Players in the European Silicon Market (2016): Percentage Breakdown of Production Capacity for AMG, Elkem, Ferroglobe, UC RUSAL, Wacker Chemicals and Others (includes corresponding Graph/Chart)

Table 110. Leading Players in the European Ferrosilicon Market (2016): Percentage Breakdown of Production Capacity for Elkem, Ferroglobe, Finnfjord, Huta Laziska and Others (includes corresponding Graph/Chart)

B. Market Analytics

Table 111. European Recent Past, Current and Future Analysis for Silicon and Ferrosilicon by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 112. European Historic Review for Silicon and Ferrosilicon by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 113. European 14-Year Perspective for Silicon and Ferrosilicon by Geographic Region - Percentage Breakdown of Volume Consumption for France, Germany, Italy,

UK, Spain, Russia and Rest of Europe Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 114. European Recent Past, Current and Future Analysis for Silicon by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 115. European Historic Review for Silicon by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 116. European 14-Year Perspective for Silicon by Geographic Region - Percentage Breakdown of Volume Consumption for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 117. European Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 118. European Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 119. European 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 120. European Recent Past, Current and Future Analysis for Ferrosilicon by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 121. European Historic Review for Ferrosilicon by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed

with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 122. European 14-Year Perspective for Ferrosilicon by Geographic Region - Percentage Breakdown of Volume Consumption for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 123. European Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 124. European Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 125. European 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

4A. FRANCE

Market Analysis

Table 126. French Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 127. French Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 128. French 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and

Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 129. French Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 130. French Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 131. French 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

4B. GERMANY

A. Market Analysis

Current and Future Analysis

Strategic Corporate Development

Key Players

B. Market Analytics

Table 132. German Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 133. German Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 134. German 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 135. German Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 136. German Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 137. German 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

4C. ITALY

A. Market Analysis

Current and Future Analysis

Strategic Corporate Development

B. Market Analytics

Table 138. Italian Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 139. Italian Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 140. Italian 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 141. Italian Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes

corresponding Graph/Chart)

Table 142. Italian Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 143. Italian 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

4D. THE UNITED KINGDOM

A. Market Analysis

Current and Future Analysis

Ferroglobe Plc – A Key Player

B. Market Analytics

Table 144. UK Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 145. UK Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 146. UK 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 147. UK Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 148. UK Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry,

Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 149. UK 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

4E. SPAIN

Market Analysis

Table 150. Spanish Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 151. Spanish Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 152. Spanish 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 153. Spanish Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 154. Spanish Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 155. Spanish 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

4F. RUSSIA

Market Analysis

Table 156. Russian Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 157. Russian Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 158. Russian 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 159. Russian Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 160. Russian Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 161. Russian 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

4G. REST OF EUROPE

A. Market Analysis

Current and Future Analysis

Norway

Strategic Corporate Developments

Key Players

B. Market Analytics

Table 162. Rest of Europe Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 163. Rest of Europe Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 164. Rest of Europe 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 165. Rest of Europe Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 166. Rest of Europe Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 167. Rest of Europe 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC

Market Analysis

Table 168. Asia-Pacific Recent Past, Current and Future Analysis for Silicon and

Ferrosilicon by Geographic Region - China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 169. Asia-Pacific Historic Review for Silicon and Ferrosilicon by Geographic Region - China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 170. Asia-Pacific 14-Year Perspective for Silicon and Ferrosilicon by Geographic Region - Percentage Breakdown of Volume Consumption for China and Rest of Asia-Pacific Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 171. Asia-Pacific Recent Past, Current and Future Analysis for Silicon by Geographic Region - China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 172. Asia-Pacific Historic Review for Silicon by Geographic Region - China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 173. Asia-Pacific 14-Year Perspective for Silicon by Geographic Region - Percentage Breakdown of Volume Consumption for China and Rest of Asia-Pacific Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 174. Asia-Pacific Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 175. Asia-Pacific Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 176. Asia-Pacific 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes

corresponding Graph/Chart)

Table 177. Asia-Pacific Recent Past, Current and Future Analysis for Ferrosilicon by Geographic Region - China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 178. Asia-Pacific Historic Review for Ferrosilicon by Geographic Region - China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 179. Asia-Pacific 14-Year Perspective for Ferrosilicon by Geographic Region - Percentage Breakdown of Volume Consumption for China and Rest of Asia-Pacific Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 180. Asia-Pacific Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 181. Asia-Pacific Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 182. Asia-Pacific 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

5A. CHINA

A. Market Analysis

Silicon Market in China – An Overview

Ferrosilicon Market – A Major Producer with Sliding Share

Table 183. Chinese Consumption of Ferrosilicon Compared to Domestic Crude Steel Output (in Kg FeSi per tonne of Crude Steel) for the Years 2005 through 2015 (includes

corresponding Graph/Chart)

China's Leadership in Steel Industry Augurs Well for Silicon and FeSi Market

Table 184. China 13th Five-Year Plan Targets for the Steel Industry (includes corresponding Graph/Chart)

Table 185. China's Crude Steel Production Output in Million Tonnes for the Years 2012 through 2017 (includes corresponding Graph/Chart)

Aluminum Castings Market Trends Influence Demand for Silicon
Polysilicon for China's Solar Power Market – Promising Growth in Store

Table 186. New Capacity Installations of Solar PV (in GW) in China for the Years 2014 through 2017 (includes corresponding Graph/Chart)

Strategic Corporate Developments

Key Players

B. Market Analytics

Table 187. Chinese Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 188. Chinese Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 189. Chinese 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 190. Chinese Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with

Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 191. Chinese Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 192. Chinese 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

5B. REST OF ASIA-PACIFIC

A. Market Analysis

Current and Future Analysis

India

Market Overview

Indian Steel Industry – The Main End-Use Market

Export-Import Statistics

Table 193. Indian Exports of Ferrosilicon (2015-16): Percentage Breakdown of Export Volume by Country (includes corresponding Graph/Chart)

Table 194. Indian Imports of Ferrosilicon (2015-16): Percentage Breakdown of Import Volume by Country (includes corresponding Graph/Chart)

Strategic Corporate Development

Simcoa (Silicon Metal Company Of Australia) Operations Pty Ltd. (Australia) – A Key Player

B. Market Analytics

Table 195. Rest of Asia-Pacific Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 196. Rest of Asia-Pacific Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 197. Rest of Asia-Pacific 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 198. Rest of Asia-Pacific Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 199. Rest of Asia-Pacific Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 200. Rest of Asia-Pacific 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

6. MIDDLE EAST & AFRICA

A. Market Analysis

Current and Future Analysis

Construction Sector: Opportunities for Growth

Ferrosilicon Market Exhibits Significant Growth in Iran

B. Market Analytics

Table 201. Middle East & Africa Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 202. Middle East & Africa Historic Review for Silicon by End-Use Industry -

Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 203. Middle East & Africa 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 204. Middle East & Africa Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 205. Middle East & Africa Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 206. Middle East & Africa 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

7. LATIN AMERICA

A. Market Analysis

Current and Future Analysis

The Rima Group – A Key Player

B. Market Analytics

Table 207. Latin American Recent Past, Current and Future Analysis for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 208. Latin American Historic Review for Silicon by End-Use Industry - Metallurgy, Chemical, Semiconductor and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes

corresponding Graph/Chart)

Table 209. Latin American 14-Year Perspective for Silicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Metallurgy, Chemical, Semiconductor and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Table 210. Latin American Recent Past, Current and Future Analysis for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 211. Latin American Historic Review for Ferrosilicon by End-Use Industry - Ferrous Foundry, Steel and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 212. Latin American 14-Year Perspective for Ferrosilicon by End-Use Industry - Percentage Breakdown of Volume Consumption for Ferrous Foundry, Steel and Others Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 44 (including Divisions/Subsidiaries - 50)

The United States (9)

Japan (6)

Europe (10)

Germany (2)

The United Kingdom (1)

Rest of Europe (7)

Asia-Pacific (Excluding Japan) (19)

Middle East (1)

Latin America (4)

Africa (1)

I would like to order

Product name: Silicon and Ferrosilicon: Market Research Report

Product link: <https://marketpublishers.com/r/S066BEDBCB2EN.html>

Price: US\$ 5,600.00 (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/S066BEDBCB2EN.html>