

Global Small Programmable Logic Controllers (PLC) Market by Architecture, Product (Nano and Micro), Industry Vertical and Region 2014-2025: Growth Opportunity and Business Strategy

<https://marketpublishers.com/r/GD42838792EEN.html>

Date: July 2018

Pages: 171

Price: US\$ 2,516.00 (Single User License)

ID: GD42838792EEN

Abstracts

GMD predicts the global aggregated revenue of small PLC systems will reach \$98.37 billion during 2018-2025 owing to a growing adoption and upgrade of nano and micro PLC systems & controls in various industry verticals.

Highlighted with 61 tables and 74 figures, this 171-page report “Global Small Programmable Logic Controllers (PLC) Market by Architecture, Product (Nano and Micro), Industry Vertical and Region 2014-2025: Growth Opportunity and Business Strategy” is based on a comprehensive research of worldwide small-size PLC solutions market by analyzing the entire global market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report provides historical market data for 2014-2016, revenue estimates for 2017, and forecasts from 2018 till 2025.

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of global market is forecast in optimistic, balanced, and conservative view. The balanced (most likely) projection is used to quantify global nano and micro PLC market in every aspect of the classification from perspectives of architecture, product, industry vertical and region.

Based on architecture, the global market is segmented into the following sub-markets with annual revenue included for 2014-2025 (historical and forecast) for each section.

Hardware (further split into Processor, Power Supply, Input/Output, Memory and others)

Software (further split into Redundancy Software, Motion Control Software, Simulation Software, Programming Software)

Services (further segmented into Training, Maintenance, Consulting)

Based on product type, the global market is segmented into the following sub-markets with annual revenue included for 2014-2025 (historical and forecast) for each section.

Nano PLC (further segmented into Fixed Nano PLC and Modular Nano PLC)

Micro PLC (further segmented into Fixed Micro PLC and Modular Micro PLC)

On basis of industry vertical, the global market is analyzed on the following segments with annual revenue in 2014-2025 provided for each segment.

Automotive Industry

Energy & Power Industry

Oil & Gas Industry

Metal & Mining Industry

Food & Beverage Industry

Home & Building Automation Industry

Chemicals & Plastics Industry

Pulp & Paper Industry

Pharmaceutical Industry

Water and Wastewater Industry

Others

Geographically, the following regions together with the listed national markets are fully investigated:

APAC (Japan, China, Australia, India, South Korea and Rest of APAC)

Europe (Germany, France, UK, Italy, Russia, Rest of Europe)

North America (U.S. and Canada)

Latin America (Brazil, Mexico, Argentina, Rest of Latin America)

RoW (UAE, Saudi Arabia, Iran)

For each of the aforementioned regions and countries, detailed analysis and data for annual revenue are available for 2014-2025. The breakdown of all regional markets by country and split of key national markets by product type and industry vertical over the forecast years are also included.

The report also covers current competitive scenario and the predicted manufacture trend; and profiles global PLC vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in global nano and micro PLC market and industry are assayed quantitatively and qualitatively through GMD's Risk Assessment System. According to the risk analysis and evaluation, Critical Success Factors (CSFs) are generated as a guidance to help investors & stockholders to identify emerging product trends & market opportunities, manage and minimize the risks, develop appropriate business models, and make wise strategies and decisions.

Contents

1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
 - 1.1.1 Industry Definition
 - 1.1.2 Research Scope
- 1.2 Research Methodology
 - 1.2.1 Overview of Market Research Methodology
 - 1.2.2 Market Assumption
 - 1.2.3 Secondary Data
 - 1.2.4 Primary Data
 - 1.2.5 Data Filtration and Model Design
 - 1.2.6 Market Size/Share Estimation
 - 1.2.7 Research Limitations
- 1.3 Executive Summary

2 MARKET OVERVIEW AND QUALITATIVE ANALYSIS

- 2.1 Market Size and Forecast
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

3 SEGMENTATION OF GLOBAL MARKET BY ARCHITECTURE TYPE

- 3.1 Market Overview by Architecture Type
- 3.2 Global Small PLC Hardware Market 2014-2025
- 3.3 Global Small PLC Software Market 2014-2025
- 3.4 Global Small PLC Services Market 2014-2025

4 SEGMENTATION OF GLOBAL MARKET BY PRODUCT

- 4.1 Market Overview by Product
- 4.2 Global Nano PLC Market 2014-2025
- 4.3 Global Micro PLC Market 2014-2025

5 SEGMENTATION OF GLOBAL MARKET BY INDUSTRY VERTICAL

- 5.1 Market Overview by Industry Vertical
- 5.2 Global Small PLC Market in Automotive Industry 2014-2025
- 5.3 Global Small PLC Market in Energy & Power Industry 2014-2025
- 5.4 Global Small PLC Market in Oil & Gas Industry 2014-2025
- 5.5 Global Small PLC Market in Metals & Mining Industry 2014-2025
- 5.6 Global Small PLC Market in Food & Beverage Industry 2014-2025
- 5.7 Global Small PLC Market in Home & Building Automation Industry 2014-2025
- 5.8 Global Small PLC Market in Chemicals & Plastics Industry 2014-2025
- 5.9 Global Small PLC Market in Paper & Pulp Industry 2014-2025
- 5.10 Global Small PLC Market in Pharmaceutical Industry 2014-2025
- 5.11 Global Small PLC Market in Water and Wastewater Industry 2014-2025
- 5.12 Global Small PLC Market in Other Industry Verticals 2014-2025

6 SEGMENTATION OF GLOBAL MARKET BY REGION

- 6.1 Geographic Market Overview by Region 2014-2025
- 6.2 North America Market 2014-2025 by Country
 - 6.2.1 Overview of North America Market
 - 6.2.2 U.S. Market
 - 6.2.3 Canadian Market
- 6.3 European Market 2014-2025 by Country
 - 6.3.1 Overview of European Market
 - 6.3.2 Germany
 - 6.3.3 UK
 - 6.3.4 France
 - 6.3.5 Russia
 - 6.3.6 Italy
 - 6.3.7 Rest of European Market
- 6.4 Asia-Pacific Market 2014-2025 by Country
 - 6.4.1 Overview of Asia-Pacific Market
 - 6.4.2 Japan
 - 6.4.3 China
 - 6.4.4 India
 - 6.4.5 Australia
 - 6.4.6 South Korea
 - 6.4.7 Rest of APAC Region
- 6.5 Latin America Market 2014-2025 by Country
 - 6.5.1 Mexico

6.5.2 Brazil

6.5.3 Argentina

6.5.4 Rest of Latin America Market

6.6 Rest of World Market 2014-2025 by Country

6.6.1 UAE

6.6.2 Saudi Arabia

6.6.3 Iran

6.6.4 Other National Markets

7 COMPETITIVE LANDSCAPE

7.1 Overview of Key Vendors

7.2 Company Profiles

8 INVESTING IN GLOBAL MARKET: RISK ASSESSMENT AND MANAGEMENT

8.1 Risk Evaluation of Global Market

8.2 Critical Success Factors (CSFs)

RELATED REPORTS AND PRODUCTS

List Of Tables

LIST OF TABLES

Table 1. Categories and Definition of PLCs by Product Type
Table 2. Snapshot of Global Small PLC Market, 2017-2025
Table 3. Main Product Trends and Market Opportunities in Global Small PLC Market
Table 4. Global Small PLC Market by Architecture Type, 2014-2025, \$ mn
Table 5. Global Small PLC Hardware Market by Component, 2014-2025, \$ mn
Table 6. Global Small PLC Software Market by Type, 2014-2025, \$ mn
Table 7. Global Small PLC Service Market by Type, 2014-2025, \$ mn
Table 8. Global Small PLC Market by Product, 2014-2025, \$ mn
Table 9. Global Nano PLC Market by Product, 2014-2025, \$ mn
Table 10. Global Micro PLC Market by Product, 2014-2025, \$ mn
Table 11. Global Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 12. Global Small PLC Market by Region, 2014-2025, \$ mn
Table 13. Leading National Small PLC Market by Revenue, 2017 and 2025, \$ mn
Table 14. North America Small PLC Market by Country, 2014-2025, \$ mn
Table 15. U.S. Small PLC Market by Product, 2014-2025, \$ mn
Table 16. U.S. Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 17. Canada Small PLC Market by Product, 2014-2025, \$ mn
Table 18. Canada Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 19. Europe Small PLC Market by Country, 2014-2025, \$ mn
Table 20. Germany Small PLC Market by Product, 2014-2025, \$ mn
Table 21. Germany Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 22. UK Small PLC Market by Product, 2014-2025, \$ mn
Table 23. UK Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 24. France Small PLC Market by Product, 2014-2025, \$ mn
Table 25. France Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 26. Russia Small PLC Market by Product, 2014-2025, \$ mn
Table 27. Russia Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 28. Italy Small PLC Market by Product, 2014-2025, \$ mn
Table 29. Italy Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 30. APAC Small PLC Market by Country, 2014-2025, \$ mn
Table 31. Japan Small PLC Market by Product, 2014-2025, \$ mn
Table 32. Japan Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 33. China Small PLC Market by Product, 2014-2025, \$ mn
Table 34. China Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 35. India Small PLC Market by Product, 2014-2025, \$ mn

Table 36. India Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 37. Australia Small PLC Market by Product, 2014-2025, \$ mn
Table 38. Australia Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 39. South Korea Small PLC Market by Product, 2014-2025, \$ mn
Table 40. South Korea Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 41. Latin America Small PLC Market by Country, 2014-2025, \$ mn
Table 42. Mexico Small PLC Market by Product, 2014-2025, \$ mn
Table 43. Mexico Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 44. Brazil Small PLC Market by Product, 2014-2025, \$ mn
Table 45. Brazil Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 46. Argentina Small PLC Market by Product, 2014-2025, \$ mn
Table 47. Argentina Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 48. RoW Small PLC Market by Country, 2014-2025, \$ mn
Table 49. UAE Small PLC Market by Product, 2014-2025, \$ mn
Table 50. UAE Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 51. Saudi Arabia Small PLC Market by Product, 2014-2025, \$ mn
Table 52. Saudi Arabia Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 53. Iran Small PLC Market by Product, 2014-2025, \$ mn
Table 54. Iran Small PLC Market by Industry Vertical, 2014-2025, \$ mn
Table 55. ABB Revenue by Business Division, 2014-2016, \$ million
Table 56. ABB Revenue by Region, 2014-2016, \$ million
Table 57. Emerson Electric Co.: Sales, Earnings and Assets by Business Division, 2014-2016, \$ million
Table 58. Emerson Electric Co.: Sales by Region, 2014-2016, \$ million
Table 59. Honeywell International Inc.: Sales by Business Division, 2014-2017, \$ million
Table 60. Risk Evaluation for Investing in Global Market, 2017-2025
Table 61. Critical Success Factors and Key Takeaways

List Of Figures

LIST OF FIGURES

Figure 1. Research Method Flow Chart

Figure 2. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 3. Global Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2018-2025

Figure 4. Global Small PLC Market by Revenue, 2014-2025, \$ bn

Figure 5. Primary Drivers and Impact Factors of Global Small PLC Market

Figure 6. Primary Restraints and Impact Factors of Global Small PLC Market

Figure 7. Porter's Five Forces Analysis of Global Small PLC Market

Figure 8. Breakdown of Global Small PLC Market by Architecture Type, 2018-2025, % of Revenue

Figure 9. Contribution to Global 2018-2025 Cumulative Revenue by Architecture Type, Value (\$ mn) and Share (%)

Figure 10. Global Small PLC Hardware Market, 2014-2025, \$ mn

Figure 11. Global Small PLC Software Market, 2014-2025, \$ mn

Figure 12. Global Small PLC Services Market, 2014-2025, \$ mn

Figure 13. Breakdown of Global Small PLC Market by Product, 2018-2025, % of Revenue

Figure 14. Contribution to Global 2018-2025 Cumulative Revenue by Product, Value (\$ mn) and Share (%)

Figure 15. Global Nano PLC Market, 2014-2025, \$ mn

Figure 16. Picture of Typical Micro PLC Systems

Figure 17. Global Micro PLC Market, 2014-2025, \$ mn

Figure 18. Breakdown of Global Small PLC Market by Industry Vertical, 2018-2025, % of Revenue

Figure 19. Contribution to Global 2018-2025 Cumulative Revenue by Industry Vertical, Value (\$ mn) and Share (%)

Figure 20. Global Small PLC Market in Automotive Industry, 2014-2025, \$ mn

Figure 21. Global Small PLC Market for Energy & Power Industry, 2014-2025, \$ mn

Figure 22. Global Oil & Gas Capex (\$ billion) and Number of Rigs, 2014-2017

Figure 23. Global Small PLC Market in Oil and Gas Industry, 2014-2025, \$ mn

Figure 24. Global Small PLC Market for Metals & Mining Industry, 2014-2025, \$ mn

Figure 25. Global Small PLC Market for Food & Beverage Industry, 2014-2025, \$ mn

Figure 26. Global Small PLC Market for Home & Building Automation Industry, 2014-2025, \$ mn

Figure 27. Global Small PLC Market for Chemicals & Plastics Industry, 2014-2025, \$

mn

Figure 28. Global Small PLC Market for Paper & Pulp Industry, 2014-2025, \$ mn

Figure 29. Global Small PLC Market for Pharmaceutical Industry, 2014-2025, \$ mn

Figure 30. Global Small PLC Market for Water and Wastewater Industry, 2014-2025, \$ mn

Figure 31. Global Small PLC Market for Other Industry Verticals, 2014-2025, \$ mn

Figure 32. Geographic Spread of Worldwide Small PLC Market, 2018-2025, % of Revenue

Figure 33. Contribution to Global 2018-2025 Cumulative Revenue by Region, Value (\$ mn) and Share (%)

Figure 34. North American Small PLC Market, 2014-2025, \$ mn

Figure 35. Breakdown of North America Small PLC Market by Country, 2017 and 2025, % of Revenue

Figure 36. Contribution to North America 2018-2025 Cumulative Revenue by Country, Value (\$ mn) and Share (%)

Figure 37. U.S. Small PLC Market by Revenue, 2014-2025, \$ mn

Figure 38. Canada Small PLC Market by Revenue, 2014-2025, \$ mn

Figure 39. European Small PLC Market by Revenue, 2014-2025, \$ mn

Figure 40. Breakdown of European Small PLC Market by Country, 2017 and 2025, % of Revenue

Figure 41. Contribution to Europe 2018-2025 Cumulative Revenue by Country, Value (\$ mn) and Share (%)

Figure 42. Small PLC Market in Germany by Revenue, 2014-2025, \$ mn

Figure 43. Small PLC Market in UK by Revenue, 2014-2025, \$ mn

Figure 44. Small PLC Market in France by Revenue, 2014-2025, \$ mn

Figure 45. Small PLC Market in Russia by Revenue, 2014-2025, \$ mn

Figure 46. Small PLC Market in Italy by Revenue, 2014-2025, \$ mn

Figure 47. Small PLC Market in Rest of Europe by Revenue, 2014-2025, \$ mn

Figure 48. Asia-Pacific Small PLC Market by Revenue, 2014-2025, \$ mn

Figure 49. Breakdown of APAC Small PLC Market by Country, 2017 and 2025, % of Revenue

Figure 50. Contribution to APAC 2018-2025 Cumulative Revenue by Country, Value (\$ mn) and Share (%)

Figure 51. Small PLC Market in Japan by Revenue, 2014-2025, \$ mn

Figure 52. Small PLC Market in China by Revenue, 2014-2025, \$ mn

Figure 53. Small PLC Market in India by Revenue, 2014-2025, \$ mn

Figure 54. Small PLC Market in Australia by Revenue, 2014-2025, \$ mn

Figure 55. Small PLC Market in South Korea by Revenue, 2014-2025, \$ mn

Figure 56. Small PLC Market in Rest of APAC by Revenue, 2014-2025, \$ mn

Figure 57. Latin America Small PLC Market by Revenue, 2014-2025, \$ mn

Figure 58. Breakdown of Latin America Small PLC Market by Country, 2017 and 2025, % of Revenue

Figure 59. Contribution to Latin America 2018-2025 Cumulative Revenue by Country, Value (\$ mn) and Share (%)

Figure 60. Small PLC Market in Mexico by Revenue, 2014-2025, \$ mn

Figure 61. Small PLC Market in Brazil by Revenue, 2014-2025, \$ mn

Figure 62. Small PLC Market in Argentina by Revenue, 2014-2025, \$ mn

Figure 63. Small PLC Market in Rest of Latin America by Revenue, 2014-2025, \$ mn

Figure 64. Small PLC Market in Rest of the World (RoW) by Revenue, 2014-2025, \$ mn

Figure 65. Breakdown of RoW Small PLC Market by Country, 2017 and 2025, % of Revenue

Figure 66. Contribution to RoW 2018-2025 Cumulative Revenue by Country, Value (\$ mn) and Share (%)

Figure 67. Small PLC Market in UAE by Revenue, 2014-2025, \$ mn

Figure 68. Small PLC Market in Saudi Arabia by Revenue, 2014-2025, \$ mn

Figure 69. Small PLC Market in Iran by Revenue, 2014-2025, \$ mn

Figure 70. Growth Stage of Global Small PLC Industry over the Forecast Period

Figure 71. Company Overview of ABB as of 2016

Figure 72. Company Overview and Key Figures of Schneider Electric as of 2016

Figure 73. Schneider Electric: Sales Revenue by Business Segment, % of 2016 Revenue

Figure 74. Schneider Electric: Sales Revenue by Region, % of 2016 Revenue

COMPANIES MENTIONED

ABB Ltd.

Emerson Electric Co.

General Electric Co.

Hitachi, Ltd.

Honeywell International Inc.

IDEC Corporation

Mitsubishi Electric Corp.

Omron Corporation

Robert Bosch GmbH

Rockwell Automation Inc.

Schneider Electric SE

Siemens AG

I would like to order

Product name: Global Small Programmable Logic Controllers (PLC) Market by Architecture, Product (Nano and Micro), Industry Vertical and Region 2014-2025: Growth Opportunity and Business Strategy

Product link: <https://marketpublishers.com/r/GD42838792EEN.html>

Price: US\$ 2,516.00 (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/GD42838792EEN.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