

# **Global Industrial Control Systems Market Size study & Forecast, by System (Supervisory Control and Data Acquisition System (SCADA), Distributed Control System (DCS), Programmable Logic Controller (PLC), Machine Execution System (MES), Product Lifecycle Management (PLM), Enterprise Resource Planning (ERP), Human Machine Interface (HMI), Other Systems) by End User Industry (Oil and Gas, Chemical and Petrochemical, Power, Life Sciences, Food and Beverage, Metals and Mining, Other End User Industries) and Regional Analysis, 2022-2029**

<https://marketpublishers.com/r/GBC999EE805DEN.html>

Date: May 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GBC999EE805DEN

## **Abstracts**

Global Industrial Control Systems Market is valued approximately at USD XXX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2029. Industrial Control Systems (ICS) are specialized systems used to monitor and control industrial processes such as manufacturing, power generation, and transportation systems. These systems consist of a network of interconnected devices, sensors, and software that work together to gather and analyze data, and then take appropriate actions to control the processes. ICS systems can be divided into two main categories: Supervisory Control and Data Acquisition (SCADA) systems and Distributed Control Systems (DCS). The ICS systems are critical to the operation of many industries and play a vital role in ensuring the safety, reliability, and efficiency of industrial processes. However, they also represent a potential target for cyber-attacks, and it is essential to ensure that these systems are properly secured to prevent unauthorized access and potential damage to critical infrastructure. The key

factor driving the market growth is surge in demand for IoT-based smart solutions and automation in various industries, and rising demand for mass production in manufacturing industries is anticipated to create the lucrative demand for the market during forecast period.

Moreover, the rising demand for mass production in manufacturing industries is anticipated to support the growth of the Industrial Control Systems (ICS) market. Industrial Control Systems are essential for managing and controlling the various processes involved in manufacturing, including assembly line automation, inventory control, quality control, and logistics management. These systems are designed to improve productivity, reduce downtime, and improve the overall efficiency of manufacturing operations. For instance, in March 2021, the software CIMPLICITY and Tracker, developed by the American-based GE Digital, are multi-industry HMI/SCADA and MES routing solutions that aid in the improvement of operational efficiency. Tracker is intended for use by high-volume manufacturers, such as those in the automotive industry. Companies with many remote operations centers are the target market for CIMPLICITY. Additionally, the deployment of smart grid for protection of critical infrastructure from cyber-attacks and cloud computing for industrial control system (ICS) is anticipated to create the lucrative opportunity for the market during forecast period. However, the increase in cyber-attacks and unavailability of authentication procedures and lack of skilled professionals and awareness regarding industrial security solutions stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Industrial Control Systems Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominates the market in terms of market share, owing to the presence of key market players and rising demand in manufacturing, chemicals, energy, and utilities. Whereas, Asia Pacific is anticipated to exhibit highest growth rate over the forecast period, owing to factors such as growing demand for improved solutions to manage industrial plants in India and China, and growing industrialization in the region would create lucrative growth prospects for the Industrial Control Systems market across Asia Pacific region.

Major market player included in this report are:

Siemens AG

ABB Automation Company

Omron Corporation

Honeywell International Inc.

Rockwell Automation Inc.

Emerson Electric Co.  
Mitsubishi Electric Corporation  
Schneider Electric  
Yokogawa Electric Corporation  
Kawasaki Heavy Industries, Ltd.

#### Recent Developments in the Market:

In April, 2022, in order to collaborate on finding new offshore substation opportunities in the global offshore wind sector, ABB and Ramboll have signed an agreement. Companies will offer their knowledge and experience to this relationship in the areas of engineering, products, installation, and operational maintenance for electrical, SCADA (Supervisory Control and Data Acquisition), automation, and telecommunications equipment.

#### Global Industrial Control Systems Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered System, End User Industry, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

#### By System:

Supervisory Control and Data Acquisition System (SCADA)

Distributed Control System (DCS)

Programmable Logic Controller (PLC)  
Machine Execution System (MES)  
Product Lifecycle Management (PLM)  
Enterprise Resource Planning (ERP)  
Human Machine Interface (HMI)  
Other Systems

By End User Industry:

Oil and Gas  
Chemical and Petrochemical  
Power  
Life Sciences  
Food and Beverage  
Metals and Mining  
Other End User Industries

By Region:

North America  
U.S.  
Canada  
Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE  
Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
RoLA  
Rest of the World

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
  - 1.2.1. Industrial Control Systems Market, by Region, 2019-2029 (USD Billion)
  - 1.2.2. Industrial Control Systems Market, by System, 2019-2029 (USD Billion)
  - 1.2.3. Industrial Control Systems Market, by End User Industry, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL INDUSTRIAL CONTROL SYSTEMS MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL INDUSTRIAL CONTROL SYSTEMS MARKET DYNAMICS**

- 3.1. Industrial Control Systems Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Surge in demand for IoT-based smart solutions and automation in various industries
    - 3.1.1.2. Rising demand for mass production in manufacturing industries
  - 3.1.2. Market Challenges
    - 3.1.2.1. Increase in cyber-attacks and unavailability of authentication procedures
    - 3.1.2.2. Lack of skilled professionals and awareness regarding industrial security solutions
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Deployment of smart grid for protection of critical infrastructure from cyber-attacks

## **CHAPTER 4. GLOBAL INDUSTRIAL CONTROL SYSTEMS MARKET: INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economic
  - 4.3.3. Social
  - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

## **CHAPTER 6. GLOBAL INDUSTRIAL CONTROL SYSTEMS MARKET, BY SYSTEM**

- 6.1. Market Snapshot
- 6.2. Global Industrial Control Systems Market by System, Performance - Potential Analysis
- 6.3. Global Industrial Control Systems Market Estimates & Forecasts by System 2019-2029 (USD Billion)
- 6.4. Industrial Control Systems Market, Sub Segment Analysis
  - 6.4.1. Supervisory Control and Data Acquisition System (SCADA)
  - 6.4.2. Distributed Control System (DCS)
  - 6.4.3. Programmable Logic Controller (PLC)
  - 6.4.4. Machine Execution System (MES)
  - 6.4.5. Product Lifecycle Management (PLM)
  - 6.4.6. Enterprise Resource Planning (ERP)

- 6.4.7. Human Machine Interface (HMI)
- 6.4.8. Other Systems

## **CHAPTER 7. GLOBAL INDUSTRIAL CONTROL SYSTEMS MARKET, BY END USER INDUSTRY**

- 7.1. Market Snapshot
- 7.2. Global Industrial Control Systems Market by End User Industry, Performance - Potential Analysis
- 7.3. Global Industrial Control Systems Market Estimates & Forecasts by End User Industry 2019-2029 (USD Billion)
- 7.4. Industrial Control Systems Market, Sub Segment Analysis
  - 7.4.1. Oil and Gas
  - 7.4.2. Chemical and Petrochemical
  - 7.4.3. Power
  - 7.4.4. Life Sciences
  - 7.4.5. Food and Beverage
  - 7.4.6. Metals and Mining
  - 7.4.7. Other End User Industries

## **CHAPTER 8. GLOBAL INDUSTRIAL CONTROL SYSTEMS MARKET, REGIONAL ANALYSIS**

- 8.1. Industrial Control Systems Market, Regional Market Snapshot
- 8.2. North America Industrial Control Systems Market
  - 8.2.1. U.S. Industrial Control Systems Market
    - 8.2.1.1. System breakdown estimates & forecasts, 2019-2029
    - 8.2.1.2. End User Industry breakdown estimates & forecasts, 2019-2029
  - 8.2.2. Canada Industrial Control Systems Market
- 8.3. Europe Industrial Control Systems Market Snapshot
  - 8.3.1. U.K. Industrial Control Systems Market
  - 8.3.2. Germany Industrial Control Systems Market
  - 8.3.3. France Industrial Control Systems Market
  - 8.3.4. Spain Industrial Control Systems Market
  - 8.3.5. Italy Industrial Control Systems Market
  - 8.3.6. Rest of Europe Industrial Control Systems Market
- 8.4. Asia-Pacific Industrial Control Systems Market Snapshot
  - 8.4.1. China Industrial Control Systems Market
  - 8.4.2. India Industrial Control Systems Market



- 8.4.3. Japan Industrial Control Systems Market
- 8.4.4. Australia Industrial Control Systems Market
- 8.4.5. South Korea Industrial Control Systems Market
- 8.4.6. Rest of Asia Pacific Industrial Control Systems Market
- 8.5. Latin America Industrial Control Systems Market Snapshot
  - 8.5.1. Brazil Industrial Control Systems Market
  - 8.5.2. Mexico Industrial Control Systems Market
  - 8.5.3. Rest of Latin America Industrial Control Systems Market
- 8.6. Rest of The World Industrial Control Systems Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Top Market Strategies
- 9.2. Company Profiles
  - 9.2.1. Siemens AG
    - 9.2.1.1. Key Information
    - 9.2.1.2. Overview
    - 9.2.1.3. Financial (Subject to Data Availability)
    - 9.2.1.4. Product Summary
    - 9.2.1.5. Recent Developments
  - 9.2.2. ABB Automation Company
  - 9.2.3. Omron Corporation
  - 9.2.4. Honeywell International Inc.
  - 9.2.5. Rockwell Automation Inc.
  - 9.2.6. Emerson Electric Co.
  - 9.2.7. Mitsubishi Electric Corporation
  - 9.2.8. Schneider Electric
  - 9.2.9. Yokogawa Electric Corporation
  - 9.2.10. Kawasaki Heavy Industries, Ltd.

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes



### 10.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Industrial Control Systems Market, report scope

TABLE 2. Global Industrial Control Systems Market estimates & forecasts by Region 2019-2029 (USD Billion)

TABLE 3. Global Industrial Control Systems Market estimates & forecasts by System 2019-2029 (USD Billion)

TABLE 4. Global Industrial Control Systems Market estimates & forecasts by End User Industry 2019-2029 (USD Billion)

TABLE 5. Global Industrial Control Systems Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 6. Global Industrial Control Systems Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 7. Global Industrial Control Systems Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 8. Global Industrial Control Systems Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 9. Global Industrial Control Systems Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 10. Global Industrial Control Systems Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 11. Global Industrial Control Systems Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 12. Global Industrial Control Systems Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 13. Global Industrial Control Systems Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 14. Global Industrial Control Systems Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 15. U.S. Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 16. U.S. Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 17. U.S. Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 18. Canada Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 19. Canada Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 20. Canada Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. UK Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 22. UK Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 23. UK Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. Germany Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 25. Germany Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 26. Germany Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. France Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 28. France Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 29. France Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. Italy Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 31. Italy Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 32. Italy Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Spain Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 34. Spain Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 35. Spain Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. RoE Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 37. RoE Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 38. RoE Industrial Control Systems Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 39. China Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 40. China Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. China Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. India Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 43. India Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. India Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. Japan Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 46. Japan Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. Japan Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. South Korea Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 49. South Korea Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. South Korea Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. Australia Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 52. Australia Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. Australia Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. RoAPAC Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 55. RoAPAC Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. RoAPAC Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. Brazil Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 58. Brazil Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 59. Brazil Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Mexico Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 61. Mexico Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 62. Mexico Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. RoLA Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 64. RoLA Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 65. RoLA Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. Row Industrial Control Systems Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 67. Row Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 68. Row Industrial Control Systems Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Industrial Control Systems Market

TABLE 70. List of primary sources, used in the study of global Industrial Control Systems Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Industrial Control Systems Market, research methodology
- FIG 2. Global Industrial Control Systems Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Industrial Control Systems Market, key trends 2021
- FIG 5. Global Industrial Control Systems Market, growth prospects 2022-2029
- FIG 6. Global Industrial Control Systems Market, porters 5 force model
- FIG 7. Global Industrial Control Systems Market, pest analysis
- FIG 8. Global Industrial Control Systems Market, value chain analysis
- FIG 9. Global Industrial Control Systems Market by segment, 2019 & 2029 (USD Billion)
- FIG 10. Global Industrial Control Systems Market by segment, 2019 & 2029 (USD Billion)
- FIG 11. Global Industrial Control Systems Market by segment, 2019 & 2029 (USD Billion)
- FIG 12. Global Industrial Control Systems Market by segment, 2019 & 2029 (USD Billion)
- FIG 13. Global Industrial Control Systems Market by segment, 2019 & 2029 (USD Billion)
- FIG 14. Global Industrial Control Systems Market, regional snapshot 2019 & 2029
- FIG 15. North America Industrial Control Systems Market 2019 & 2029 (USD Billion)
- FIG 16. Europe Industrial Control Systems Market 2019 & 2029 (USD Billion)
- FIG 17. Asia pacific Industrial Control Systems Market 2019 & 2029 (USD Billion)
- FIG 18. Latin America Industrial Control Systems Market 2019 & 2029 (USD Billion)
- FIG 19. Global Industrial Control Systems Market, company Market share analysis (2021)

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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