

# **Automation And Controls Market Outlook 2025-2034: Market Share, and Growth Analysis By Product (Programmable Logic Controller (PLC), Supervisory Control And Data Acquisition (SCADA), Programmable Automation Controller (PAC), Distributed Control System (DCS), Human-Machine Interface (HMI), Manufacturing Execution System (MES)), By Application, By End Use**

<https://marketpublishers.com/r/A2A4DEDDF76FEN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: A2A4DEDDF76FEN

## **Abstracts**

The Automation And Controls Market is valued at USD 127.4 billion in 2025 and is projected to grow at a CAGR of 8.7% to reach USD 270.1 billion by 2034. The Automation and Controls Market encompasses a broad range of technologies and systems designed to enhance operational efficiency, improve safety, and reduce costs across various industries. From manufacturing and energy to transportation and healthcare, automation and control solutions have become critical components of modern industrial infrastructure. As organizations strive to optimize processes and meet rising demand for real-time data insights, the adoption of advanced automation and control systems continues to expand globally. The market witnessed significant growth fueled by advancements in industrial IoT (IIoT), artificial intelligence (AI), and machine learning. Companies invested in smart controllers, edge computing devices, and predictive analytics tools to enhance operational flexibility and reliability. Cybersecurity also emerged as a key focus, with businesses prioritizing secure communication protocols and data encryption methods to protect their automated systems from increasing threats. Moreover, government policies promoting smart manufacturing and sustainable practices played a major role in driving market adoption. The Automation and Controls Market is expected to benefit from continued digital transformation efforts

and the widespread adoption of Industry 4.0 standards. The development of more intelligent and interoperable systems, coupled with advancements in robotics, augmented reality (AR), and 5G connectivity, will further boost market growth. As industries increasingly rely on automation to navigate labor shortages and complex production requirements, the Automation and Controls Market is poised for sustained expansion.

### Key Insights Automation And Controls Market

Increasing adoption of IIoT and edge computing to enable real-time decision-making.

Integration of AI and machine learning to improve predictive maintenance and process optimization.

Focus on cybersecurity to protect automated systems from growing digital threats.

Expansion of modular and scalable solutions to support Industry 4.0 transformations.

Development of energy-efficient and environmentally sustainable automation technologies.

### Drivers:

Rising demand for operational efficiency and cost reduction across industrial sectors.

Government incentives and policies promoting smart manufacturing and digital transformation.

Growing adoption of IIoT devices for enhanced data collection and process optimization.

Increased focus on safety and compliance driving the implementation of advanced control systems.

## Challenges:

High initial investment costs and integration complexity, especially for small and mid-sized enterprises.

## Automation And Controls Market Segmentation

### By Product

Programmable Logic Controller (PLC)

Supervisory Control And Data Acquisition (SCADA)

Programmable Automation Controller (PAC)

Distributed Control System (DCS)

Human-Machine Interface (HMI)

Manufacturing Execution System (MES)

### By Application

Lighting

Heating

Ventilation and Air Conditioning (HVAC)

Safety And Security

Other Applications

### By End Use

Residential

Commercial

Industrial

Oil And Gas

Mining And Metals

Automotive And Transportation

Manufacturing Electrical And Electronics (Other End Users)

#### Key Companies Analysed

Hitachi Ltd.

Siemens AG

General Electric Company

Mitsubishi Electric Corporation

Schneider Electric SE

Honeywell International Inc.

ABB Group

Johnson Controls International PLC

Emerson Electric Co.

Parker Hannifin Corporation

Kawasaki Heavy Industries Ltd.

Delta Electronics Inc.

Rockwell Automation Inc.

Bosch Rexroth AG

OMRON Corporation

Keyence Corporation

Fanuc Corporation

Dassault Systèmes SE

Fuji Electric Co. Ltd.

Yaskawa Electric Corporation

KUKA AG

Yokogawa Electric Corporation

Phoenix Contact GmbH & Co. KG

Rittal GmbH & Co. KG

SICK AG

Advantech Co. Ltd.

Beckhoff Automation GmbH & Co. KG

National Instruments Corporation

AVEVA Group PLC

B&R Industrial Automation GmbH

Universal Robots A/S

## Automation And Controls Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

## Automation And Controls Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

## Countries Covered

North America — Automation And Controls market data and outlook to 2034

United States

Canada

Mexico

Europe — Automation And Controls market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Automation And Controls market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Automation And Controls market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Automation And Controls market data and outlook to 2034

Brazil

Argentina

Chile

Peru

*\* We can include data and analysis of additional countries on demand.*

## Research Methodology

This study combines primary inputs from industry experts across the Automation And Controls value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

## Key Questions Addressed

What is the current and forecast market size of the Automation And Controls industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in

shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

## Your Key Takeaways from the Automation And Controls Market Report

Global Automation And Controls market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Automation And Controls trade, costs, and supply chains

Automation And Controls market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Automation And Controls market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Automation And Controls market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Automation And Controls supply chain analysis

Automation And Controls trade analysis, Automation And Controls market price analysis, and Automation And Controls supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

## Latest Automation And Controls market news and developments

### Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

## Contents

### 1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

### 2. GLOBAL AUTOMATION AND CONTROLS MARKET SUMMARY, 2025

- 2.1 Automation And Controls Industry Overview
  - 2.1.1 Global Automation And Controls Market Revenues (In US\$ billion)
- 2.2 Automation And Controls Market Scope
- 2.3 Research Methodology

### 3. AUTOMATION AND CONTROLS MARKET INSIGHTS, 2024-2034

- 3.1 Automation And Controls Market Drivers
- 3.2 Automation And Controls Market Restraints
- 3.3 Automation And Controls Market Opportunities
- 3.4 Automation And Controls Market Challenges
- 3.5 Tariff Impact on Global Automation And Controls Supply Chain Patterns

### 4. AUTOMATION AND CONTROLS MARKET ANALYTICS

- 4.1 Automation And Controls Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Automation And Controls Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Automation And Controls Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Automation And Controls Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Automation And Controls Market
  - 4.5.1 Automation And Controls Industry Attractiveness Index, 2025
  - 4.5.2 Automation And Controls Supplier Intelligence
  - 4.5.3 Automation And Controls Buyer Intelligence
  - 4.5.4 Automation And Controls Competition Intelligence
  - 4.5.5 Automation And Controls Product Alternatives and Substitutes Intelligence
  - 4.5.6 Automation And Controls Market Entry Intelligence

### 5. GLOBAL AUTOMATION AND CONTROLS MARKET STATISTICS – INDUSTRY

## **REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034**

5.1 World Automation And Controls Market Size, Potential and Growth Outlook, 2024-2034 (\$ billion)

5.1 Global Automation And Controls Sales Outlook and CAGR Growth By Product, 2024- 2034 (\$ billion)

5.2 Global Automation And Controls Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)

5.3 Global Automation And Controls Sales Outlook and CAGR Growth By End Use, 2024- 2034 (\$ billion)

5.4 Global Automation And Controls Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

## **6. ASIA PACIFIC AUTOMATION AND CONTROLS INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK**

6.1 Asia Pacific Automation And Controls Market Insights, 2025

6.2 Asia Pacific Automation And Controls Market Revenue Forecast By Product, 2024-2034 (USD billion)

6.3 Asia Pacific Automation And Controls Market Revenue Forecast By Application, 2024- 2034 (USD billion)

6.4 Asia Pacific Automation And Controls Market Revenue Forecast By End Use, 2024-2034 (USD billion)

6.5 Asia Pacific Automation And Controls Market Revenue Forecast by Country, 2024-2034 (USD billion)

6.5.1 China Automation And Controls Market Size, Opportunities, Growth 2024- 2034

6.5.2 India Automation And Controls Market Size, Opportunities, Growth 2024- 2034

6.5.3 Japan Automation And Controls Market Size, Opportunities, Growth 2024- 2034

6.5.4 Australia Automation And Controls Market Size, Opportunities, Growth 2024-2034

## **7. EUROPE AUTOMATION AND CONTROLS MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034**

7.1 Europe Automation And Controls Market Key Findings, 2025

7.2 Europe Automation And Controls Market Size and Percentage Breakdown By Product, 2024- 2034 (USD billion)

7.3 Europe Automation And Controls Market Size and Percentage Breakdown By

Application, 2024- 2034 (USD billion)

7.4 Europe Automation And Controls Market Size and Percentage Breakdown By End Use, 2024- 2034 (USD billion)

7.5 Europe Automation And Controls Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.5.1 Germany Automation And Controls Market Size, Trends, Growth Outlook to 2034

7.5.2 United Kingdom Automation And Controls Market Size, Trends, Growth Outlook to 2034

7.5.2 France Automation And Controls Market Size, Trends, Growth Outlook to 2034

7.5.2 Italy Automation And Controls Market Size, Trends, Growth Outlook to 2034

7.5.2 Spain Automation And Controls Market Size, Trends, Growth Outlook to 2034

## **8. NORTH AMERICA AUTOMATION AND CONTROLS MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034**

8.1 North America Snapshot, 2025

8.2 North America Automation And Controls Market Analysis and Outlook By Product, 2024- 2034 (\$ billion)

8.3 North America Automation And Controls Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)

8.4 North America Automation And Controls Market Analysis and Outlook By End Use, 2024- 2034 (\$ billion)

8.5 North America Automation And Controls Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.5.1 United States Automation And Controls Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Canada Automation And Controls Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Mexico Automation And Controls Market Size, Share, Growth Trends and Forecast, 2024- 2034

## **9. SOUTH AND CENTRAL AMERICA AUTOMATION AND CONTROLS MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS**

9.1 Latin America Automation And Controls Market Data, 2025

9.2 Latin America Automation And Controls Market Future By Product, 2024- 2034 (\$ billion)

9.3 Latin America Automation And Controls Market Future By Application, 2024- 2034 (\$ billion)

9.4 Latin America Automation And Controls Market Future By End Use, 2024- 2034 (\$ billion)

9.5 Latin America Automation And Controls Market Future by Country, 2024- 2034 (\$ billion)

9.5.1 Brazil Automation And Controls Market Size, Share and Opportunities to 2034

9.5.2 Argentina Automation And Controls Market Size, Share and Opportunities to 2034

## **10. MIDDLE EAST AFRICA AUTOMATION AND CONTROLS MARKET OUTLOOK AND GROWTH PROSPECTS**

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Automation And Controls Market Statistics By Product, 2024-2034 (USD billion)

10.3 Middle East Africa Automation And Controls Market Statistics By Application, 2024- 2034 (USD billion)

10.4 Middle East Africa Automation And Controls Market Statistics By End Use, 2024-2034 (USD billion)

10.5 Middle East Africa Automation And Controls Market Statistics by Country, 2024-2034 (USD billion)

10.5.1 Middle East Automation And Controls Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa Automation And Controls Market Value, Trends, Growth Forecasts to 2034

## **11. AUTOMATION AND CONTROLS MARKET STRUCTURE AND COMPETITIVE LANDSCAPE**

11.1 Key Companies in Automation And Controls Industry

11.2 Automation And Controls Business Overview

11.3 Automation And Controls Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

## **12 APPENDIX**

12.1 Global Automation And Controls Market Volume (Tons)

12.1 Global Automation And Controls Trade and Price Analysis

12.2 Automation And Controls Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Automation And Controls Industry Report Sources and Methodology

## I would like to order

Product name: Automation And Controls Market Outlook 2025-2034: Market Share, and Growth Analysis By Product (Programmable Logic Controller (PLC), Supervisory Control And Data Acquisition (SCADA), Programmable Automation Controller (PAC), Distributed Control System (DCS), Human-Machine Interface (HMI), Manufacturing Execution System (MES)), By Application, By End Use

Product link: <https://marketpublishers.com/r/A2A4DEDDF76FEN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

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

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

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A2A4DEDDF76FEN.html>