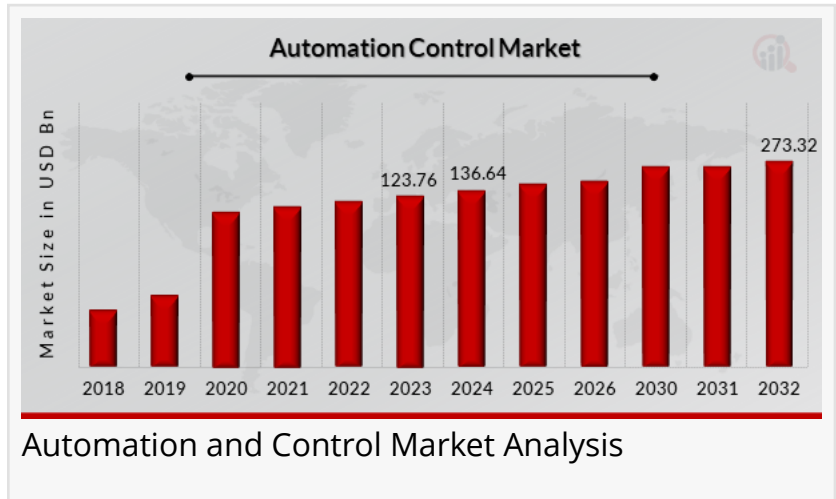


Automation and Control Market to Reach \$273.32 Billion by 2032, Growing at a CAGR of 9.05%

Automation and Control Market Research Report Information by Product, Application, End-use, and Region

IN, UNITED STATES, January 15, 2025 /EINPresswire.com/ -- The global [Automation and Control Market](#) was valued at USD 123.76 billion in 2023 and is projected to grow from USD 136.64 billion in 2024 to USD 273.32 billion by 2032, at a compound annual growth rate (CAGR) of 9.05% during the forecast period (2024 - 2032). This growth is driven by the increasing demand for advanced technologies in industries such as manufacturing, aerospace, defense, and the emergence of Industry 5.0.



Key Drivers of Market Growth

Industry 5.0 Adoption: The shift toward Industry 5.0 focuses on collaboration between humans and advanced automation systems, enhancing productivity and precision in industrial processes.

Technological Advancements: Innovations in artificial intelligence (AI), machine learning (ML), and IoT are revolutionizing automation and control systems, making them smarter and more efficient.

Demand Across Key Sectors: Increased adoption in manufacturing, aerospace, defense, and energy sectors to improve efficiency, safety, and cost-effectiveness is driving market growth.

Global Emphasis on Sustainability: Automation solutions are critical for optimizing energy consumption and reducing waste, aligning with global sustainability goals.

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Key Companies in the Automation and Control Market include

- ABB Group
- Bosch Rexroth AG
- Emerson Electric Co.
- Fanuc Corporation
- General Electric Company
- Honeywell International Inc.
- KUKA AG
- Rockwell Automation
- Schneider Electric SE, among others

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Market Segmentation

By Type:

- Industrial Automation: Includes programmable logic controllers (PLCs), distributed control systems (DCS), and supervisory control and data acquisition (SCADA) systems.
- Process Automation: Focused on automating production processes in industries like oil & gas, chemicals, and pharmaceuticals.
- Building Automation: Covers systems for HVAC, lighting, security, and energy management in residential and commercial buildings.

By Component:

- Hardware: Sensors, actuators, controllers, and other physical devices.
- Software: Platforms enabling data analysis, monitoring, and decision-making.
- Services: Installation, maintenance, and consulting services.

By End-Use Industry:

- Manufacturing: Automation systems for assembly lines, robotics, and inventory management.
- Aerospace & Defense: Automation in avionics, simulations, and defense operations.
- Energy & Utilities: Automation for power generation, grid management, and renewable energy integration.
- Healthcare: Systems for medical equipment automation and hospital management.
- Automotive: Use of robotics and automation in vehicle manufacturing and autonomous driving.

By Region

- North America: The largest market, driven by early adoption of Industry 5.0, strong

manufacturing, and defense sectors.

- Europe: Growth fueled by advancements in automotive manufacturing and government initiatives for sustainable industrial practices.
- Asia-Pacific: The fastest-growing region, supported by rapid industrialization, urbanization, and investments in smart factory solutions in countries like China, Japan, and India.
- Middle East & Africa: Increasing automation in the oil and gas industry and infrastructural developments are key growth factors.
- Latin America: Growth driven by industrial modernization and investments in energy and utility automation.

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The Automation and Control Market is set to witness significant growth with the advancement of Industry 5.0, increasing reliance on AI and IoT, and a focus on sustainability. With applications spanning across manufacturing, healthcare, energy, and aerospace, the market's expansion is poised to reshape industrial operations globally. Continuous innovation and investment in automation technologies will remain crucial for addressing future challenges and demands.

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market segments enable our clients to see more, know more, and do more, which help to answer all their most important questions.

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