

# Programmable Logic Controller Market to Reach USD 24,157.6 Million by 2034, Driven by Industry 4.0 & Automation Boom

*PLCs are key to Industry 4.0, enabling smart factories with scalable, customizable, and cost-efficient control solutions for modern industrial operations.*

NEWARK, DE, UNITED STATES, June 1, 2025 /EINPresswire.com/ -- The global [Programmable Logic Controller \(PLC\) market](#) is on a strong growth trajectory, projected to reach USD 24,157.6 million by 2034,



Technological advances in IoT and cloud connectivity are driving PLC adoption by enhancing precision, efficiency, and control across diverse industries."

*opines Nikhil Kaitwade, Associate Vice President at FMI*

expanding at a CAGR of 7.0% from 2024 to 2034. This growth is fueled by the increasing adoption of automation across key industries, including energy, automotive, manufacturing, and pharmaceuticals.

As the world embraces Industry 4.0, the demand for smart factories and real-time process control is reshaping industrial operations. PLCs are playing a central role in this evolution, offering scalable, customizable, and cost-efficient solutions to meet modern manufacturing

demands.

For more information, visit <https://www.futuremarketinsights.com/reports/sample/rep-gb-19900>

Future Market Insights (FMI) is a leading market research and consulting firm, providing strategic insights and data-driven solutions for businesses across various industries.

PLCs offer unmatched advantages that make them ideal for a variety of industrial environments. Their robustness, ease of programming, and modular scalability enable industries to design systems that evolve with changing needs. From controlling complex machinery to managing production lines, PLCs are the backbone of efficient, safe, and reliable industrial operations.

They are widely used in sectors such as automotive, oil and gas, food processing, and utilities, helping companies improve productivity while minimizing downtime and maintenance costs.

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This report delivers a detailed analysis of the global PLC market, offering insights into:

- Emerging trends
- Growth opportunities
- Regional dynamics
- Key market challenges
- Profiles of leading players and their strategic initiatives

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### Automation Gains Momentum Across Industries

The growing shift towards industrial automation is transforming the operational landscape. Sectors such as manufacturing, energy, automotive, and pharmaceuticals are adopting PLCs to enhance:

- Process efficiency
- Resource optimization
- System integration

These systems are enabling real-time, data-driven decision-making that aligns with Industry 4.0 goals.

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The rising need for customizable and scalable automation platforms is creating new growth avenues. PLCs integrated with IoT and AI are helping industries improve predictive maintenance and streamline complex operations.

This fusion of traditional control with smart technology delivers greater flexibility and value in today's fast-paced industrial settings.

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## Cloud Connectivity Transforms PLC Capabilities

Modern PLCs are now equipped with cloud-based features that enable:

- Real-time monitoring
- Remote control access
- Enhanced data analysis
- Predictive maintenance

These capabilities not only optimize operations but also improve collaboration across dispersed teams essential in globalized industrial environments.

As industries push toward sustainability, PLCs are helping meet energy efficiency goals. By optimizing energy consumption, they support eco-friendly initiatives and help companies comply with international standards focused on reducing environmental impact.

Leading companies shaping the PLC landscape include:

- Unitronics
- Delta Electronics, Inc.
- Rockwell Automation
- OMRON Corporation
- Infineon Technologies AG
- Schneider Electric
- Eaton
- ABB
- STMicroelectronics
- Intel Corporation
- Graco Inc.
- KEYENCE CORPORATION

These players are at the forefront of innovation, investing in R&D and strategic partnerships to offer cutting-edge automation solutions that cater to evolving industry needs.

- The automotive industry is undergoing a major transformation, with increased demand for automation and flexible production systems. PLCs are central to this shift streamlining assembly

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lines, ensuring precise equipment control, and enhancing overall efficiency.

Their ability to adapt to diverse manufacturing demands makes PLCs critical to maintaining quality, speed, and cost control in modern automotive production.

Regional Market Outlook: Key regional trends

- North America: Strong automation adoption and advanced manufacturing technologies are propelling growth.
- Latin America: Emerging economies are prioritizing energy-efficient solutions.
- Western Europe: A leader in Industry 4.0 initiatives and smart factory transformations.
- Eastern Europe: Gradual transition toward automated industrial systems.
- East & South Asia: Rapid industrialization and growing investment in manufacturing infrastructure.
- Middle East & Africa: Expansion of oil & gas projects driving demand for high-performance automation tools.

For more detailed insights, visit: <https://www.futuremarketinsights.com/industry-analysis/operational-equipment>

Key Segments

By PLC Type:

The PLC Type segment is further categorized into Compact PLC, Modular PLC and Soft PLC.

By Deployment:

The Deployment segment is classified into Cloud Based, On-premises and Hybrid.

By Application:

The Application segment is categorized into Discrete Automation, Process Automation and Building Automation.

By End Use:

The End Use segment is categorized into Oil & Gas, Chemical & Petrochemical, Metal & Mining, Energy & Power, Automotive & Transport, General Engineering, IT & Telecommunication, Paper & Pulp and Others.

Market Outlook: Growth drivers and challenges

The [industrial security system market](#) is expected to grow at a CAGR of 7.5% during the projected period. The market value is expected to increase from USD 55.9 billion in 2024 to USD 115 billion by 2034.

The [gasket and seal market](#) is projected to be valued at USD 87,012.9 million in 2024 and rise to USD 152,911.56 million by 2034. It is expected to grow at a CAGR of 2.10 %

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Join us as we commemorate 10 years of delivering trusted market insights. Reflecting on a decade of achievements, we continue to lead with integrity, innovation, and expertise.

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