

Programmable Logic Controller (PLC) Market Expected to Reach \$ 17.34 Bn by 2028, Rising Automation and Industry Adoption

The Programmable Logic Controller (PLC) market size is expected to reach USD 17.34 billion in 2028 and register a revenue CAGR of 5.5%.

NEW YORK CITY, NEW YORK, UNITED STATE, July 4, 2023 /EINPresswire.com/

-- The [Programmable Logic Controller \(PLC\) Market](#) experienced significant growth in recent years, with a size of

USD 11.21 billion in 2020. It is projected to reach USD 17.34 billion by 2028, exhibiting a compound annual growth rate (CAGR) of 5.5% during the forecast period. This growth can be attributed to the increasing emphasis on improving the reliability, flexibility, and accuracy of automation systems across various industries.



Reports And Data



The Programmable Logic Controller (PLC) market size was USD 11.21 billion in 2020 and is expected to reach USD 17.34 billion in 2028 and register a revenue CAGR of 5.5% over the forecast period."

Reports And Data

PLCs offer several advantages, making them a preferred choice for automation. They provide dynamic development capabilities, along with features such as counters and timers, sequential control, and reliable controlling capabilities. The ease of hardware usage and programming further contribute to their popularity. PLCs have revolutionized control systems by replacing conventional relay control circuits, eliminating the need for extensive hard wiring. They find applications in diverse commercial sectors, ranging from controlling elevators and operating traffic signals to being integrated into washing machines.

Furthermore, the utilization of PLCs extends extensively to manufacturing industries, where they play a crucial role in monitoring and controlling production processes and building systems. This widespread adoption of PLCs in industrial settings is expected to be a significant driver for the continued growth of the market in the future.

Get A Sample Copy of The Programmable Logic Controller (PLC) Market Report @
<https://www.reportsanddata.com/download-free-sample/277>

Top Leading Players in Programmable Logic Controller (PLC) Market:

Rockwell (A-B), Panasonic, Yokogawa, Toshiba, Idec, Maxim, Schneider (Modicon), Koyo, Siemens, Bosch Rexroth, IPM, GE Fanuc, B&R Industrial, and TI among others.

Programmable Logic Controller (PLC) Market: Notable Innovation

Integration of IoT and Industry 4.0: The integration of PLCs with the Internet of Things (IoT) and Industry 4.0 concepts has been a significant innovation. PLCs now have built-in connectivity options, allowing them to seamlessly communicate with other devices, systems, and cloud platforms. This integration enables real-time data exchange, remote monitoring, predictive maintenance, and improved overall system efficiency.

Edge Computing Capabilities: PLC manufacturers have introduced edge computing capabilities within their devices. This enables data processing and analysis to be performed at the edge of the network, closer to the data source, reducing latency and enabling faster decision-making. Edge computing in PLCs enhances real-time control, enables faster response times, and supports more complex automation tasks.

Advanced Programming and Configuration Tools: Innovations in PLC programming and configuration tools have simplified the development and maintenance of automation systems. Manufacturers have introduced user-friendly software with intuitive interfaces, drag-and-drop programming functionalities, and libraries of pre-built function blocks. These advancements have reduced the learning curve for PLC programming, making it more accessible to a wider range of users.

Safety Integrated PLCs: Safety is a critical aspect of industrial automation. Safety integrated PLCs combine standard control functions with safety functions, enabling the implementation of safety measures directly within the PLC system. This integration eliminates the need for separate safety controllers, reducing costs and simplifying system design and maintenance.

High-Speed Processing and Real-Time Control: PLCs now offer faster processing speeds and improved real-time control capabilities. These advancements enable PLCs to handle complex automation tasks, high-speed machinery, and precision control applications with greater efficiency and accuracy. The ability to handle increased data volumes and process tasks more rapidly has expanded the range of applications where PLCs can be deployed.

Programmable Logic Controller (PLC) Market Segmentation:

By Type (Revenue in USD Billion; 2018–2028)

Nano

Micro

Medium

Large

By End-use Industries (Revenue in USD Billion; 2018–2028)

Steel

Petrochemical and Gas

Power

Automobile

Others

Key Regional Markets Covered in the Report:

North America (U.S.A., Canada, Mexico)

Europe (Italy, U.K., Germany, France, Rest of Europe)

Asia Pacific (India, China, Japan, South Korea, Australia, Rest of Asia Pacific)

Latin America (Chile, Brazil, Argentina, Peru, Rest of Latin America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

Request A Customization of the Report @ <https://www.reportsanddata.com/request-customization-form/277>

Thank you for reading our report. To know more about the customization or any query about the report contents, please connect with us and our team will ensure the report is tailored to meet your requirements.

Explore Trending Reports:

Brown Shimeji Mushroom Market @ <https://www.reportsanddata.com/report-detail/brown-shimeji-mushroom-market>

Organic Food Products Market @ <https://www.reportsanddata.com/report-detail/organic-food-products-market>

Disinfectant Wipes Market @ <https://www.reportsanddata.com/report-detail/disinfectant-wipes-market>

Flexible Workspace Market @ <https://www.reportsanddata.com/report-detail/flexible-workspace-market>

Functional Mushroom Market @ <https://www.reportsanddata.com/report-detail/functional-mushroom-market>

About Us:

Reports and Data is a market research and consulting company that provides syndicated research reports, customized research reports, and consulting services. Our solutions purely focus on your purpose to locate, target, and analyse consumer behaviour shifts across demographics, across industries, and help clients to make smarter business decisions. We offer market intelligence studies ensuring relevant and fact-based research across multiple industries, including Healthcare, Touch Points, Chemicals, Products, and Energy. We consistently update our research offerings to ensure our clients are aware of the latest trends existent in the market. Reports and Data has a strong base of experienced analysts from varied areas of expertise. Our industry experience and ability to develop a concrete solution to any research problems provides our clients with the ability to secure an edge over their respective competitors.

John W.

Reports and Data

+1 212-710-1370

[email us here](#)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/642906188>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2023 Newsmatics Inc. All Right Reserved.