

Programmable Automation Controller (PAC) Programming Software Market Size, Share, Revenue, Trend & Drivers For 2024-2033

The Business Research Company's Programmable Automation Controller (PAC) Programming Software Global Market Report 2024 – Market Size, Trends And Forecast 2033

LONDON, GREATER LONDON, UK, June 28, 2024 /EINPresswire.com/ -- The global [programmable automation controller \(PAC\) programming software market](#) is projected to grow from

\$13.86 billion in 2023 to \$16.29 billion in 2024, at a CAGR of 17.5%. Despite challenges from cybersecurity threats and the pandemic, the market is anticipated to reach \$31.36 billion by 2028, driven by advancements in automation technologies and the increasing adoption of digital transformation solutions across industries.

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Rise in Automation Drives Market Growth

The rise in automation is a significant factor propelling the growth of the programmable automation controller (PAC) programming software market. Automation technologies such as robotics, machinery, and software are increasingly employed to enhance efficiency, productivity, and operational reliability in industrial processes. PAC programming software enables the development and deployment of customized automation solutions, catering

to complex industrial requirements with intuitive programming interfaces.

According to the International Federation of Robotics, global installations of industrial robots surpassed 500,000 units in 2022, marking a 5% increase from the previous year. This surge underscores the growing integration of automation technologies across manufacturing and industrial sectors, driving demand for PAC programming software.



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Key Players and Market Trends

Major companies such as Siemens AG, General Electric Company, Panasonic Holdings Corporation, and Mitsubishi Electric Corporation are focusing on developing open programming automation controllers to bolster their market presence. These controllers offer flexible programming environments that allow for customized automation solutions tailored to specific industrial needs.

For instance, Emerson Electric Manufacturing Company launched the PACSystems RSTi-EP in May 2022, featuring robust programming capabilities and real-time monitoring functionalities to enhance automation and control processes. Such innovations are crucial in meeting the evolving demands for efficiency and reliability in industrial operations.

Trends in the PAC Programming Software Market

Key trends in the forecast period include the adoption of open standards and interoperability, the rise of hybrid cloud architectures, and a shift towards sustainability and green technologies. Additionally, there is a growing emphasis on low-code and no-code development platforms to streamline application development and deployment processes in industrial automation.

Segments:

- Type: HMI (Human Machine Interface) Software, Advanced Process Control (APC), Open Programmable Automation Controller System Server, Database Connectivity, Asset Management, Integrated Development Environment (IDE), Other Types
- Applications: Discreet Manufacturing, Process Manufacturing, Automotive, Semiconductor, Energy And Utilities, Chemical, Other Applications
- End User: Oil And Gas, Electric Power Construction, Food And Beverages, Water And Wastewater, Other End Users

Geographical Insights: Asia-Pacific Leading the Market

North America emerged as the largest region in the programmable automation controller (PAC) programming software market in 2023, driven by technological advancements and robust industrial infrastructure. However, Asia-Pacific is expected to witness the highest growth rate during the forecast period, supported by expanding industrial automation initiatives and the rapid adoption of digital technologies across manufacturing sectors.

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Programmable Automation Controller (PAC) Programming Software Global Market Report 2024

from TBRC covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Programmable Automation Controller (PAC) Programming Software Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on programmable automation controller (PAC) programming software market size, programmable automation controller (PAC) programming software market drivers and trends, programmable automation controller (PAC) programming software market major players, competitors' revenues, market positioning, and market growth across geographies. The programmable automation controller (PAC) programming software market report helps you gain in-depth insights on opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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About The Business Research Company

The Business Research Company has published over 27 industries, spanning over 8000+ markets and 60+ geographies. The reports draw on 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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