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Global Micro and Nano PLC Market Size study, by Type (Micro PLC, Nano PLC), by Offering (Hardware, Software, Services), by Architecture (Fixed PLC, Modular PLC), by Industry (Automotive, Chemicals & Fertilizers, Food & Beverages, Home & Building Automation, Pharmaceuticals, Others) and Regional Forecasts 2022-2029

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Abstracts

Global Micro and Nano PLC Market is valued at approximately USD 7.96 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 6.10% over the forecast period 2022-2029. A Programmable Logic Controller (PLC) is a type of digital computer that is specially designed to automate industrial electromechanical processes. These PLCs are bifurcated into two types micro PLC and Nano PLC. This controller takes decisions to manage the state of the output devices while monitoring and controlling the state of the input devices. These are created to handle complicated tasks for efficient industrial processes. . The requirement for compact automation solutions and the rising adoption of regulatory compliance and the increasing awareness of Micro and Nano PLCs is expected to fuel the demand for Micro and Nano PLCs across the world.

The growing trend of home & building automation is also acting as a significant factor, which is attributed to the market growth across the world. According to Statista, there were around 259.89 million smart homes were recorded globally, which is anticipated to reach 478.22 smart homes by the year 2025. Accordingly, the rising number of smart homes is fostering the adoption of Micro and Nano PLC, which, excels the market expansion at a substantial rate. Furthermore, the widespread adoption of IoT connectivity, as well as the increasing integration of micro PLCs with Human Machine

Interface (HMI) are presenting various lucrative opportunities over the forecasting years. However, the volatility in the prices of oil and gas and high investments is required for expansion may hinder the growth of the market.

The key regions considered for the Global Micro and Nano PLC Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the automation and servicing requirements in the region. Also, supportive government programs, annual events, and conferences are further fueling the growth of the market in the region. Whereas, Asia-Pacific is also anticipated to exhibit the highest CAGR over the forecast period 2022-2029. Factors such as the increasing number of manufacturing facilities along with advanced technology such as smart manufacturing and ageing infrastructure would create lucrative growth prospects for the Micro and Nano PLC market across the Asia-Pacific region.

Major market players included in this report are:
Siemens AG
Schneider Electric SE
Rockwell Automation Incorporation
Mitsubishi Electric Corporation
Omron Corp.
Keyence Corporation
General Electric
Robert Bosch GmbH
ABB Ltd.
IDEC Corporation

Recent Developments in the Market:
In November 2019, Mitsubishi Electric declared the introduction of the FX5UC series Premium Micro PLC- the company's smallest and most powerful compact PLC. The product is specially designed to assist manufacturers and machine builders to packing more functionality into a smaller areas, while also offering the network connectivity and web access which is needed by the new smart factory applications.

Global Micro and Nano PLC Market Report Scope:
Historical Data 2019-2020-2021
Base Year for Estimation 2021
Forecast period 2022-2029
Report Coverage Revenue forecast, Company Ranking, Competitive Landscape,

Growth factors, and Trends
Segments Covered Type, Offering, Architecture, Industry, Region
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World
Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:
Micro PLC
Nano PLC
By Offering:
Hardware
Software
Services
By Architecture:
Fixed PLC
Modular
By Industry:
Automotive
Chemicals & Fertilizers
Food & Beverages
Home & Building Automation
Pharmaceuticals
Others

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India
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Australia
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RoAPAC
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Mexico
RoLA
Rest of the World

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