

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Automation Control in Power Generation Market 2018, Forecast to 2023

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Abstracts

Automation solutions for the power generation sector address physical barriers of power generation in plants and provide stable power supply without any major interruptions. These solutions ensure accurate measurement of emissions occurring in the plant and help in real-time monitoring and controlling of power plants operations.

Scope of the Report:

This report focuses on the Automation Control in Power Generation in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

The latest trend gaining momentum in the market is emergence of integrated solutions. The automation solution vendors are providing integrated solutions with unique software architecture for all the solutions offered by them. The uniform platform integrates the power plant automation systems as well as electrical, IT solutions, and diagnostics of a power plant. The major advantage of using such uniform platform is the maximization of data consistency and minimization of interfaces. For instance, Siemens offers SPPA-T3000 in its SPPA solutions with Embedded Core Software (ECS)."

According to the report, one of the major drivers for this market is Continued growth of highly scalable control solutions. Advances in the process control technology led power generation providers to realize the performance advantages of a true distributed control at a reduced cost. Many automation control solution vendors are offering purpose-built solutions that can be customized irrespective of scope, integrating entire business operations. The evolution of automation control solutions has led to the innovation of process control functionality and real-time data connectivity between the power plant



and grid.

Further, the report states that one of the major factors hindering the growth of this market is Threat of cybersecurity. The threat of cybersecurity is a major challenge faced by automation control systems. Increased adoption of IoT and automation control systems have resulted in increased vulnerability to cyberattacks, leading to data loss. Software packages offered by third-party vendors are more vulnerable to cyber-attacks, as the level of security offered is very low. For instance, SCADA and other control systems are often infected by a worm named HAVEX, which is capable of erasing the entire data and giving unauthorized commands.

The worldwide market for Automation Control in Power Generation is expected to grow at a CAGR of roughly 5.7% over the next five years, will reach xx million US\$ in 2023, from 3120 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

ABB
General Electric
Honeywell
Rockwell Automation
Schneider Electric
Siemens

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)



Market Segment by Type, covers

Distributed control system (DCS)

Supervisory control and data acquisition (SCADA)

Programmable logic controller (PLC)

Manufacturing execution system (MES)

Market Segment by Applications, can be divided into

Renewable

Non-renewable

There are 15 Chapters to deeply display the global Automation Control in Power Generation market.

Chapter 1, to describe Automation Control in Power Generation Introduction, product scope, market overview, market opportunities, market risk, market driving force; Chapter 2, to analyze the top manufacturers of Automation Control in Power Generation, with sales, revenue, and price of Automation Control in Power Generation, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Automation Control in Power Generation, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Automation Control in Power Generation market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Automation Control in Power Generation sales



channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source



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