

Global Power SCADA Market Size study & Forecast, by Architecture (Software, Hardware, Services) by Component (Master Terminal Unit (MTU), Remote Terminal Unit (RTU), Human Machine Interface (HMI), Programmable Logic Controller (PLC), Communication System, Intelligent Electronic Device (IEDs), Other), by End-User (Oil & Gas, Water and Wastewater, Metal and Mining, Chemicals, Transportation, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Power SCADA Market is valued approximately at USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. SCADA (Supervisory Control and Data Acquisition) is a system of hardware and software components that allows for the monitoring and control of industrial processes, infrastructure, and facilities. SCADA systems are widely used in various industries, including power and energy. Power SCADA specifically refers to SCADA systems implemented in power and energy-related applications. Moreover, the growing adoption of industry 4.0, rising use of power SCADA systems in oil & gas industry, increasing focus on energy efficiency, and growing implementation of smart grid that is anticipated to create the lucrative demand for the market during forecast period 2023-2030.

Additionally, the deployment of smart grid technologies, which involve advanced communication and information technologies in the power grid, relies heavily on SCADA

systems. These systems enable utilities to gather real-time data and make intelligent decisions for grid optimization. According to Statista, in 2022, the smart grid technology market was valued USD 49.7 billion and it is anticipated to reach USD 110.9 billion by 2027. As a result, the growing adoption of smart grid technology is anticipated to support the market growth. Moreover, the rising use of big data analytics and 5G technology in industrial sector, and rising investments in infrastructure is anticipated to create the lucrative opportunity for the market growth. However, the high costs associated with initial setup, maintenance, and upgrade of power SCADA solutions, and risks of cyberattacks stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Power SCADA Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the increasing demand for energy efficiency, modernization of aging infrastructure, presence of key market players, and increasing focus on renewable energy integration. Whereas, the Asia Pacific is expected to grow with the fastest growth rate during the forecast period, owing to factors such as the increase in energy demand, grid modernization initiative, increasing emphasis on sustainable development, and supportive government policies, regulations, and incentives for the adoption of advanced technologies in the power sector.

Major market player included in this report are:

ABB Ltd

General Electric Company

Siemens AG

Schneider Electric SE

Mitsubishi Electric Corporation

Eaton Corporation plc

Hitachi, Ltd

Rockwell Automation, Inc

Honeywell International Inc.

Toshiba corporation

Recent Developments in the Market:

In December 2022, Emerson has been awarded a contract to enhance the SCADA system of National Grid ESO, serving as the vital control center for the United Kingdom's electricity grid. This project encompasses the implementation of Emerson's cutting-edge automation technologies, aimed at elevating situational awareness, decision-making processes, and overall control capabilities.

Global Power SCADA Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Architecture, Component, End-User, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

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 Architecture:

Software

Hardware

Services

By Component:

Master Terminal Unit (MTU)

Remote Terminal Unit (RTU)

Human Machine Interface (HMI)

Programmable Logic Controller (PLC)

Communication System

Intelligent Electronic Device (IEDs)

Other

By End-User:

Oil & Gas

Water and Wastewater

Metal and Mining

Chemicals

Transportation

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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