

Global Substation Wide Area Monitoring System Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Substation Wide Area Monitoring System market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Wide area monitoring systems help power system operators continuously analyze all the features of a large power network in real time. Utilizing phasor measurement units (PMUs), information can be recorded and monitored to detect disturbances and improve knowledge of network behavior under dynamic conditions, enabling system operators to maximize power flow and network stability.

The increasing investments in smart grid projects is expected to be one of the major substation wide area monitoring system market drivers during the forecast period. Smart grid projects with the implementation of the wide area monitoring technology have created an influence on utility consumers based on uninterrupted power. The smart grids offer advantages such as peak load and outage management, offers lower number of transformer failures, and reduction and instant recovery of unexpected power failures. This will lead to the increased demand for substation wide area monitoring system market.

The Global Info Research report includes an overview of the development of the Substation Wide Area Monitoring System industry chain, the market status of Transmission Substation (Phasor Measurement Units (PMUs), Phasor Data Concentrators (PDCs)), Distribution Substation (Phasor Measurement Units (PMUs), Phasor Data Concentrators (PDCs)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market

trends of Substation Wide Area Monitoring System.

Regionally, the report analyzes the Substation Wide Area Monitoring System markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Substation Wide Area Monitoring System market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Substation Wide Area Monitoring System market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Substation Wide Area Monitoring System industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Phasor Measurement Units (PMUs), Phasor Data Concentrators (PDCs)).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Substation Wide Area Monitoring System market.

Regional Analysis: The report involves examining the Substation Wide Area Monitoring System market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Substation Wide Area Monitoring System market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Substation Wide Area Monitoring System:

Company Analysis: Report covers individual Substation Wide Area Monitoring System players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Substation Wide Area Monitoring System. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Transmission Substation, Distribution Substation).

Technology Analysis: Report covers specific technologies relevant to Substation Wide Area Monitoring System. It assesses the current state, advancements, and potential future developments in Substation Wide Area Monitoring System areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Substation Wide Area Monitoring System market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Substation Wide Area Monitoring System market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Phasor Measurement Units (PMUs)

Phasor Data Concentrators (PDCs)

Communication Networks

PDC Solutions

Market segment by Application

Transmission Substation

Distribution Substation

Collector Substation

Converter Substations

Switching Station

Market segment by players, this report covers

ABB

Electric Power Group

General Electric

Sc+I34650hneider Electric

Siemens

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

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

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

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Substation Wide Area Monitoring System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Substation Wide Area Monitoring System, with revenue, gross margin and global market share of Substation Wide Area Monitoring System from 2019 to 2024.

Chapter 3, the Substation Wide Area Monitoring System competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Substation Wide Area Monitoring System market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Substation Wide Area Monitoring System.

Chapter 13, to describe Substation Wide Area Monitoring System research findings and conclusion.

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