Electric Power Substation Automation Market by components, SCADA, Communication, type, End-user, Stage & Geography - Global Forecast to 2020

Description:

Electric Power Substation Automation Market by components (IED, RTU, PLC, BCU), SCADA, Communication (Wired, Wireless), type (Transmission, Distribution), End-user (Utility, Industries), Stage (Retrofit, New) & Geography - Global Forecast to 2020

The electric power substation automation has completely transformed the way substations are controlled and critical information is gathered. The global electric power substation automation market is majorly governed by the automation components and Intelligent Electronic Devices (IEDs) such as digital protection relays, RTUs, logical programmable controllers, digital transducers, recloser controls, capacitor bank controls, and voltage controls. The report covers the major communication technologies used for substation automation which have the maximum potential to drive this market with respect to the developments in advanced communication technologies.

The growth of the electric power substation automation market is expected to be remarkable, with the revenue expected to reach $48.25 billion by 2020, at an estimated CAGR of 6.71% between 2013 and 2020. The electric power substation automation uses communication technology and IEDs to monitor devices which are located at the substation to the remotely located utility data center. This report also describes the wireless communication technologies such as RF Mesh and Zigbee which have the potential to enter this market in future.

This report is based on an extensive research study of the electric power substation market and aims at identifying the entire market and all its sub-segments through extensively detailed classifications. The demand for the substation automation is expected to gain significant growth and importance among the industry players across various verticals.

This report aims to give an overview of the industry with regard to the electric power substation market, with qualitative analysis of each aspect of the classification on the basis of module, type, stage, end user, and geography. The report provides a forecast for the growth of the electric power substation automation between 2014 and 2020. A complete competitive landscape of the current market of the electric power substation automation is analyzed from the market share analysis and rankings of current key players and all other details of the key players are discussed in their company profiles. The competitive information provided in this report includes market shares of the leading companies in the electric power substation ecosystem, key developments, core strategies adopted by various players, mergers & acquisitions, new product developments, collaborations, and joint ventures of key manufacturers along with their company profiles.

The report also discusses the future of the global market with road-maps, upcoming technologies, markets, and applications with respect to the electric power substation market. The key players in this industry include ABB Ltd. (Switzerland), Siemens AG (Germany), Alstom S.A. (France), General Electric (U.S.), Eaton Corporation (Ireland), Schweitzer Engg Lab (U.S.), Cisco Systems (U.S.), Amperion (U.S.), Schneider Electric (France), Ingeteam (Spain).

Market by Module:
The electric power substation automation market by module type includes hardware, communication network technology, and SCADA.

Market by Automation Stage:
The automation stage market includes retrofit and new construction automation stage.

Market by Type:
The market is mainly categorized into transmission, distribution, and collector substation.

Market by End User:
The end user market includes utilities and industry.
Market by Geography:
The market by geography is segmented into four different regions: North America, Europe, APAC, and rest of the world (RoW).

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