The Distribution Automation Market By Component (field devices, softwares and services); By Technology Communication (wireless and wired); By utility (public and private) and Region –Analysis of Market Size, Share and Trends for 2014 – 2019 and Forecasts to 2030

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Abstracts

Product overview

Distribution automation refers to a solution that includes a set of intelligent processors, communication technologies, and sensors that enables monitoring, controlling, protecting, and maintaining the distribution network. It is an integral part of the smart grid systems and provides benefits of efficiency and reliability of operations within the grid. Distribution automation is mainly categorized into two areas including customer-end automation and distribution substation and feeder automation which helps in optimizing a utility’s operations and directly improves the reliability of its distribution power system.

Market Highlights

The distribution automation market size grew at USD XXX billion in 2020 at a CAGR of 7 % during the forecast period. An increase in the share of a generation of renewable energy and the need for improvement in grid reliability as well as operating efficiency and increasing investments to upgrade old grid infrastructure are reasons for the growth of the market.

Source: Fatpos Global

Recent Highlights in the Distribution automation market

In March 2020, ASEA Brown Boveri introduced an upgraded version of the REX640 protection relay which enhanced the communication security and flexibility in advanced power generation and distribution applications.
In September 2019, Tozzi Electrical Equipment was acquired by G&W Electric to expand its markets outside North America and also enhance its power grid solutions portfolio..
In September 2019, Meglab and Schneider Electric entered into an agreement in which Schneider Electric's medium voltage equipment was integrated with Meglab's low voltage package to offer more flexible, customizable, and efficient power and automation solutions for customers across various industries.
Distribution automation market: Segments

The distribution automation market can be segmented on the basis of components, communication technology, utility, and region.

By Component, it can be further segmented into field devices, software, and services. Field devices can be sub-categorized into Smart Relays, Automated Capacitors, Remote termainal units, Transformer Monitors, Remote Fault indicators, Automated Feeder Monitors, Smarts Relays and Automated Feeder Switches. Here, field devices are likely to dominate the segment as they help grid operations in terms of reliability, voltage, and reactive power management.

By Technology Communication it can be further segmented into Wireless and Wired. Wireless can be further sub-categorized into Cellular Frequency Mesh, WiMAX, and Cellular Networks while the Wired segment can be sub-divided into IP, Ethernet, Fiber Optic and Powerline Carrier. Wireless technology reduces maintenance costs, as well as its easy accessibility of data, will increase the growth of this segment.

By Utility, it can be further segmented into Public and Private. The public segment is expected to dominate the utility segment due to its ever-increasing number of publicly owned electric utilities.

The region segment can be further divided into five major types including North America, Latin America, Europe, APAC, and MENA.

Distribution automation market: Drivers and Restraints

Drivers

An increase in the share of a generation of renewable energy and the need for improvement in grid reliability as well as operating efficiency and increasing investments to upgrade old grid infrastructure are the key drivers for the growth of the distribution automation market. Internet of things and communication technologies are experiencing radical advancements which are a solid foundation to build the future of the automation distribution market. Furthermore, advancement in technology leads to lower cost of maintenance and high efficiency which can be a growth driver for the market.

Restraint

Lack of awareness in underdeveloped and developing economies acts as a restraint in the distribution automation market. Furthermore, technical issues along with the high cost of deployment are also anticipated to hinder the market growth.

Distribution automation market: Regions

The region segment can be further divided into five major types including North America, Latin America, Europe, APAC, and MENA.

APAC is forecasted to have the highest distribution market in the forecasted period due to the increased demand for distributed automation for high investments in smart grid projects and also its movement towards clean energy sources.

Source: Fatpos Global

The distribution automation market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

APAC Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

MENA Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

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ASEA Brown Boveri
General Electric Company
Schneider Electric SE
Landis+Gyr
Power System Engineering
S&C Electric Company
Cisco Systems, Inc.
Xylem Inc.
The Distribution automation market report also contains analysis on:

Distribution automation market segments:-

By Component:
Field Devices
Remote Fault Indicators
Smart Relays
Automated Feeder Switches
Automated Capacitors
Automated Voltage Regulators
Automated Feeder Monitors

Transformer Monitors
Remote Terminal Units
Software
Services
By Communication Technology:
Wireless
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Which segment is anticipated to hold the largest market share?
At what CAGR is the market anticipated to grow between 2020 and 2030?
Who are the key players in the Distribution automation market?
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Cisco Systems, Inc.
Xylem Inc.
Consultant Recommendation
**The above-given segmentation and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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