

# **Distribution automation Market Segmented 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 enable 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 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, Matlab 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 terminal 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 can be further segmented into Wireless and Wired. Wireless can be further sub-categorized into Cellular Frequency Mesh, WiMAX, and Cellular Networks while Wired segment can be sub-divided into IP, Ethernet, Fiber Optic, and Powerline Carrier. Wireless technology reduces maintenance cost, as well as its easy accessibility of data, which 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

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 is 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: Key players

General Electric Company

#### Business Strategy

Key Product offerings

Financial performance

Key Performance Indicators

Risk Analysis

Recent Development

Regional Presence

SWOT Analysis

Siemens AG

ASEA Brown Boveri

General Electric Company

Schneider Electric SE

Landis+Gyr

Power System Engineering

S&C Electric Company

Cisco Systems, Inc.

Xylem Inc.

#### 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

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

Radio Frequency Mesh

Cellular Networks

WiMAX

Wired

Fiber Optic

Ethernet

Powerline Carrier

IP

By Utility:

Public

Private

Cloud Managed Services Market dynamics

Cloud Managed Services Market size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

FAQs on Distribution automation market

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?

What could be the challenging factors for the growth of the Distribution automation market?

What are the growth drivers for the Distribution automation market?

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### **20. POWER SYSTEM ENGINEERING**

### **21. S&C ELECTRIC COMPANY**

### **22. CISCO SYSTEMS, INC.**



## **23. XYLEM INC.**

### Consultant Recommendation

\*\*The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

## I would like to order

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