

Global Distribution Automation Market Size study, by Offerings (Field Devices, Software, Services) by Communication Technology (Wired, Wireless) by Utility (Public Utilities, Private Utilities) and Regional Forecasts 2022-2032

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Abstracts

Global Distribution Automation Market is valued approximately at USD 18.72 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 14.21% over the forecast period 2024-2032. The Distribution Automation Market encompasses the technologies and solutions that enable the automated control and management of electrical power distribution systems. Smart sensors, sophisticated metering infrastructure, and communication networks are the systems and gadgets available in this industry that work together to improve the effectiveness, dependability, and standard of electricity distribution. The Distribution Automation Market seeks to save operating costs, increase customer satisfaction, and minimize downtime by combining real-time data analysis and remote-control capabilities. The growing use of Internet of Things (IoT) technologies, which provide smooth communication and sophisticated data analytics for improved system performance, is a noteworthy development in the distribution automation market.

Considering the growing need for a steady and dependable supply of electricity, utilities are investing in cutting-edge automation solutions to reduce outages and improve grid stability. Sophisticated distribution automation systems are required as renewable energy sources become more and more integrated into the power grid to control unpredictability and guarantee a balanced supply. The growing use of smart meters, which offer real-time data for effective energy management, and improvements in smart grid technology are other driving factors for the distribution automation market. The requirement to lower operating expenses and comply with energy efficiency regulations

are two further factors driving the market for distribution automation systems. However, the high upfront cost and difficult integration process associated with implementing advanced automation technologies, which will discourage utilities with tight budgets or outdated equipment.

The key regions considered for the global Distribution Automation Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, The Asia-Pacific region stands as dominating region in terms of revenue in the Distribution Automation Market, driven by several critical factors. The demand for energy has increased at an unprecedented rate due to rapid urbanization, making grid infrastructure upgrade necessary to provide a steady supply of power. Large sums of money are being invested in the area to modernize and extend grid infrastructure, with a focus on efficiently integrating renewable energy sources. Leading nations, such as China, Japan, and South Korea, are adopting cutting-edge technology for distribution automation to improve the resilience and dependability of the grid. These activities are beneficial to the Distribution Automation Market in this area as they tackle the issues brought about by the increasing demand for energy and the transition to cleaner sources. As a result, the Asia-Pacific region's aggressive strategy and large investments greatly support the Distribution Automation Market. On the other hand, North America is the fastest growing region.

Major market player included in this report are:

Schneider Electric SE

General Electric

Xylem Inc.

Hubbell Incorporated

Qualus Power Services Corporation

S&s Power Switchgear

Landis+Gyr

Kalki Communication Technologies private Limited

Minsait ACS, Inc.

ABB Ltd.

The detailed segments and sub-segment of the market are explained below:

By Offerings

Field Devices

Software

Services

By Communication Technology

Wired

Wireless

By Utility

Public Utilities

Private Utilities

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

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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