

Distribution Automation Market to Reach \$64.1 Billion, Globally, by 2033 at 13.1% CAGR: AMR

The global market is growing fast, driven by the need for efficient, reliable power systems that support renewable energy integration and improve operations.

WILMINGTON, DE, UNITED STATES, January 30, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "[Distribution Automation Market](#) by Communication Technology (Wired and Wireless), Component (Field Devices, Software, and Services), and Utility (Private Utility and Public Utility): Global Opportunity Analysis and Industry Forecast, 2024-2033". According to the report, the distribution automation market was valued at \$19.0 billion in 2023, and is estimated to reach \$64.1 billion by 2033, growing at a CAGR of 13.1% from 2024 to 2033.

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Prime Determinants of Growth

The increasing need for grid reliability and resilience is driving utilities and grid operators to invest in automation technologies. This trend is expected to boost the demand for distribution automation, as these technologies enhance the efficiency and stability of power distribution systems. By adopting advanced automation solutions, grid operators can better manage and respond to disruptions, ensuring a more reliable and resilient energy supply to meet the rising demands of consumers. However, ensuring uniform integration of automation system components is crucial for maximizing effectiveness. A lack of standardization hinders interoperability, making it challenging for different systems to work together. This lack of cohesion significantly impacts the growth of distribution automation, limiting its potential and efficiency. Technological advancements are driving the growth of distribution automation systems, with innovations in sensors, communication technologies, and data analytics enhancing their capabilities. The integration of IoT, AI, and machine learning is enabling more efficient and intelligent grid management. These advancements are driving significant improvements, making distribution systems smarter and more responsive, leading to increased reliability and efficiency in power distribution.

Based on communication technology, the wireless sub-segment is expected to grow faster in terms of CAGR during the forecast period.

This growth is driven by the increasing adoption of wireless solutions, which offer greater flexibility, reduced infrastructure costs, and enhanced scalability. As utilities and industries seek

more efficient and reliable automation systems, wireless technologies are becoming integral, ensuring streamlined operations and real-time data management. This trend highlights the major role of wireless communication in advancing distribution automation.

Based on component, the software sub-segment is projected to grow faster in terms of CAGR throughout the forecast period.

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Based on utility, the private utility sub-segment is predicted to grow faster in terms of CAGR during the forecast period.

This growth is driven by the increasing need for efficient and reliable power distribution, along with advancements in automation technology. Private utilities are focusing on enhancing their infrastructure to meet rising energy demands, improve service quality, and reduce operational costs. This emphasis on modernization and efficiency is driving the rapid expansion of the private utility segment in the distribution automation market.

Based on region, North America is anticipated to grow faster in terms of CAGR throughout the forecast period.

North America is projected to witness the fastest growth in the distribution automation market during the forecast period, due to significant advancements and investments in smart grid technologies. Key developments include the implementation of advanced metering infrastructure (AMI) and automated feeder switches, which enhance grid reliability and efficiency. The region's focus on reducing operational costs and improving energy distribution is further supported by government initiatives and regulatory frameworks promoting the modernization of electrical grids.

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Players Operating in the Market

- ABB
- Siemens AG
- Eaton
- Xylem
- S&C Electric Company
- G&W Electric
- Schneider Electric
- GE
- Schweitzer Engineering Laboratories, Inc.
- Cisco

The report provides a detailed analysis of these key players in the global distribution automation market. These players have adopted different strategies such as new product launches, collaborations, expansion, joint ventures, agreements, and others to increase their market share and maintain dominant shares in different regions.

Market Development

- In April 2022, ABB India expanded its Digital Substation Products and Systems factory in Vadodara, Gujarat, to meet rising demand globally. The facility produces relays, centralized protection, control systems, and others, serving industries like cement, steel, oil & gas, utilities, and renewables through OEMs in over 50 countries.
- In February 2021, Sun Acquisitions announced Fairlight one's acquisition of Homerun Technology, a Midwest provider of custom electronic solutions. Specializing in audio/visual distribution, automation, lighting control, and others, Homerun Technology aligns with Fairlight One's strategy to enhance its portfolio and expand market presence in the Chicago area. The report is further valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

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Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Wilmington, Delaware. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Allied Market Research CEO Pawan Kumar is instrumental in inspiring and encouraging everyone associated with the company to maintain high quality of data and help clients in every way possible to achieve success. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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