

Advanced Distribution Management System Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global advanced distribution management system market size reached US\$ 1,293.6 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3,435.7 Million by 2028, exhibiting a growth rate (CAGR) of 16.2% during 2023-2028.

Advanced distribution management system (ADMS) is a software-based solution used for managing and controlling electrical grids. It is utilized for regulating the electricity demand, managing energy output and reducing outages in the distribution grid. ADMS also involves the management of distributed energy resources (DERs), closely integrated utility tools and closed-loop interactions with building management systems. It is widely used in distribution management, energy management, customer information, automated meter reading (AMR) and volt control functions. It provides enhanced reliability, data security, power quality, renewable energy usage and resilience to natural disasters. As a result, ADMS finds extensive applications across various industries, such as manufacturing, energy, defense, transportation, information technology (IT) and telecommunication.

Advanced distribution management system Market Trends:

The increasing demand for efficient energy resources across the globe is one of the key factors driving the growth of the market. ADMS aids in optimizing the performance and automating outage restoration in the distribution grids. Additionally, the widespread utilization of advanced metering infrastructure (AMI) is favoring the market growth. AMI aids in remotely measuring the utilization of electricity, monitoring voltage and identifying and isolating outages. It also enables two-way communications between utilities and customers. Moreover, various technological advancements, such as the

integration of connected devices with the Internet of Things (IoT) and the utilization of advanced components and control systems to enhance security and reduce overall costs and electricity loss, are providing a thrust to the market growth. In line with this, the widespread adoption of smart grid technology is positively impacting the market growth. ADMS aids in enabling efficient transmission of electricity and data by optimizing energy usage and detecting faults in the grid. Other factors, including the increasing construction of smart cities, along with the implementation of various government initiatives to enhance carbon efficiency, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global advanced distribution management system market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on offering, system type and end use industry.

Breakup by Offering:

- Software
- Services

Breakup by System Type:

- Distribution Management System (DMS)
- Automated Meter Reading/Advanced Metering Infrastructure (AMR/AMI)
- Distributed Energy Resources Management Systems (DERMS)
- Energy Management Systems (EMS)
- Customer Information Systems (CIS)
- Meter Data Management Systems (MDMS)

Breakup by End Use Industry:

- Energy and Utilities
- IT and Telecommunications
- Manufacturing
- Defense and Government
- Infrastructure
- Transportation and Logistics
- Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd., Alstom SA, Capgemini SE, ETAP/Operation Technology Inc., General Electric Company, Indra Sistemas S.A., Open Systems International Inc. (Emerson Electric Co.), Oracle Corporation, S&C Electric Company, Schneider Electric SE, Siemens AG and Survalent Technology Corporation.

Key Questions Answered in This Report

1. What was the size of the global advanced distribution management system market in 2022?
2. What is the expected growth rate of the global advanced distribution management

system market during 2023-2028?

3. What are the key factors driving the global advanced distribution management system market?

4. What has been the impact of COVID-19 on the global advanced distribution management system market?

5. What is the breakup of the global advanced distribution management system market based on the offering?

6. What is the breakup of the global advanced distribution management system market based on the system type?

7. What are the key regions in the global advanced distribution management system market?

8. Who are the key players/companies in the global advanced distribution management system market?

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