

# **Europe Active Network Management Market Forecast to 2031 - Regional Analysis - by Component (Software and Services), Industry (Energy and Utilities, Transportation, Oil and Gas, Manufacturing, and Others), Application (Grid Asset Management, Real-Time Monitoring, and Automation), and Organization Size (Small and Medium Enterprises and Large Enterprises)**

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## **Abstracts**

The Europe active network management market was valued at US\$ 366.54 million in 2023 and is expected to reach US\$ 1,308.73 million by 2031; it is estimated to register at a CAGR of 17.2% from 2023 to 2031.

### **Increasing Adoption of Real-Time Grid Monitoring Drives Europe Active Network Management Market**

Real-time grid monitoring allows grid operators to have an accurate and up-to-date understanding of the electrical grid's performance, including power flows, voltages, and equipment conditions. With the increasing complexity and interconnectivity of modern power systems, real-time grid monitoring has become essential for ensuring reliable and efficient electricity delivery. Active network management involves the use of advanced software and hardware solutions to manage and optimize the operation of the electrical grid actively. By integrating real-time grid monitoring into active network management systems, grid operators can make faster and more informed decisions to maintain grid stability, reduce power outages, and optimize energy efficiency.

Market players are focusing on integrating automated grid solutions into their product portfolio. For instance, in November 2023, Gridspertise, a firm dedicated to supporting distribution system operators in accelerating the digital transformation of electricity grids, revealed two new cutting-edge solutions at Enlit Europe 2023-the major event dedicated to the European energetic scenario. In Paris, the company showcased Global, its new modular smart meter platform, which offers DSOs maximum flexibility hardware and software and numerous communication modules, and the ecosystem of solutions for Low Voltage Edge Grid Monitoring and Control based on Gridspertise Quantum Edge device technologies-the perfect allies in making low voltage grid more efficient and reliable. Thus, the rising adoption of real-time grid monitoring is expected to offer significant opportunities to the Europe active network management market in the coming years.

## Europe Active Network Management Market Overview

The Europe active network management market is experiencing significant growth owing to the surge in demand for smart city projects across the globe. As urbanization accelerates, governments and organizations are increasingly investing in smart city initiatives to enhance sustainability, efficiency, and quality of life. Active network management plays a crucial role in ensuring the smooth operation of these complex energy networks, making it a vital component of the smart city infrastructure. Smart cities leverage advanced technologies to optimize urban services, including transportation, energy, waste management, and public safety. These projects require a robust and interconnected network infrastructure to enable seamless communication between devices, systems, and stakeholders. Active network management systems excel in managing the intricate web of sensors, meters, grids, and other smart city components, ensuring efficient energy distribution, grid stability, and reliable service delivery.

The Europe active network management market is segmented into Germany, France, Italy, the UK, Russia, and the Rest of Europe. In Europe, several successful and ongoing pilot active network management projects such as Enel - Puglia Active Network, SP Energy Networks - Dumfries & Galloway Integrated Network Management, Enedis - Nice Grid & others, Vattenfall - Askersund Microgrid, and SSE - Orkney Island, have been implemented by various companies. These projects aim to develop energy management solutions and improve network design, operation, and maintenance. Furthermore, active network management providers across Europe are engaging in strategies such as partnerships to develop energy management solutions. For example, in February 2023, Siemens formed a strategic partnership with EnergyHub to develop a

next-generation Distributed Energy Resources (DER) management system. This partnership aims to leverage Siemens' network knowledge and EnergyHub's grid-leading capabilities to provide a complete portfolio element for a next-generation distributed energy resource management system.

Europe Active Network Management Market Revenue and Forecast to 2031 (US\$ Million)

Europe Active Network Management Market Segmentation

The Europe active network management market is segmented based on component, industry, application, organization size, and country.

Based on component, the Europe active network management market is bifurcated into software and services. The software segment held a larger share in 2023.

In terms of industry, the Europe active network management market is segmented into energy & utilities, transportation, oil & gas, manufacturing, and others. The energy & utilities segment held the largest share in 2023.

By application, the Europe active network management market is segmented into grid asset management, real-time monitoring, and automation. The grid asset management segment held the largest share in 2023.

In terms of organization size, the Europe active network management market is bifurcated into small & medium enterprises and large enterprises. The large enterprises segment held a larger share in 2023.

Based on country, the Europe active network management market is categorized into Germany, France, the UK, Italy, Spain, and the Rest of Europe. Germany dominated the Europe active network management market in 2023.

ABB Ltd, Cisco Systems Inc, International Business Machines Corp, Oracle Corp, Siemens AG, Argand Solutions, Smarter Grid Solutions, and ZIV Automation are some of the leading companies operating in the Europe active network management market.

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