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Middle East & Africa 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 Middle East & Africa active network management market was valued at US$ 81.53 million in 2023 and is expected to reach US$ 245.95 million by 2031; it is estimated to register at a CAGR of 14.8% from 2023 to 2031.

Growth in Renewable Energy Generation Bolsters Middle East & Africa Active Network Management Market

The global energy landscape is undergoing a substantial transformation, with renewable energy sources playing a crucial role in meeting the world's increasing energy demands. As the renewable energy sector continues to flourish, it has created a ripple effect, driving the growth of the Active network management market. Active network management solutions enable efficient management and integration of renewable energy sources into existing power grids, ensuring a reliable and stable supply of electricity. Renewable energy has experienced remarkable growth over the past decade, driven by factors such as declining costs, government incentives, and growing environmental concerns. Solar and wind power are among the leading contributors to the renewable energy mix, with their capacity increasing significantly year after year.

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This surge in renewable energy installation has created the need for advanced management systems to optimize and balance the intermittent nature of these energy sources.

The global capacity for generating renewable electricity is expanding at an unprecedented rate, presenting a significant opportunity to achieve the ambitious goal of tripling global capacity by 2031. For instance, in 2023, the addition of renewable energy capacity to energy systems worldwide increased by 50%, reaching a remarkable 510 gigawatts (GW). Notably, solar photovoltaic (PV) accounted for three-quarters of the total capacity added globally. The developments in the renewable energy sector hold immense potential for businesses and economies worldwide.

Middle East & Africa Active Network Management Market Overview

The Middle East & Africa 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 Middle East & Africa market is segmented into four regions: South Africa, Saudi Arabia, the UAE, and the Rest of MEA. The UAE is currently making significant progress in the development of a smart grid infrastructure. For instance, in July 2023, the Dubai Electricity and Water Authority (DEWA) took a significant step forward by enhancing the integration of various energy resources in their smart grid through the implementation of a Virtual Power Plant (VPP). This pioneering initiative in the region consolidated the Distributed Energy Resources (DERs) operated by DEWA's R&D Centre, managing them as a unified portfolio of generation and load that is seamlessly connected to the grid. The implementation of active network management plays a crucial role in this endeavor.

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Middle East & Africa Active Network Management Market Revenue and Forecast to 2031 (US$ Million)

Middle East & Africa Active Network Management Market Segmentation

The Middle East & Africa active network management market is segmented based on component, industry, application, organization size, and country.

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

In terms of industry, the Middle East & Africa 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 Middle East & Africa 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 Middle East & Africa 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 Middle East & Africa active network management market is categorized into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa active network management market in 2023.

ABB Ltd, Cisco Systems Inc, International Business Machines Corp, Oracle Corp, Siemens AG, and ZIV Automation are some of the leading companies operating in the Middle East & Africa active network management market.

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