

# **Asia Pacific 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 Asia Pacific active network management market was valued at US\$ 283.33 million in 2023 and is expected to reach US\$ 1,087.60 million by 2031; it is estimated to register at a CAGR of 18.3% from 2023 to 2031.

**Rising Deployment of IoT/Connected Devices across Energy and Utilities Boosts Asia Pacific Active Network Management Market**

The increasing deployment of artificial intelligence (AI), the internet of things (IoT), and advanced data analytics has transformed the way natural resources are processed and distributed. These technologies have enabled the development of smart and fully controlled work processes, leading to improved productivity and efficiency in the utility sector, thereby offering significant opportunities for the Asia Pacific active network management market. The key technology driving the transformation of the energy and utility sector is the IoT enables intelligent automation, which improves efficiency, increases revenue, and conserves enterprise resources. By leveraging IoT, utility companies can achieve smarter grid management, efficient energy production, and improved user experience.

Thus, constant developments in IoT solutions across the energy sector are expected to offer immense opportunities to the market.

### Asia Pacific Active Network Management Market Overview

The Asia Pacific 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 Asia Pacific active network management market is experiencing significant growth, with countries such as China, Japan, South Korea, and India actively incorporating active network management technology into their renewable energy industries. For instance, TANTRANSCO, the electricity company in the Southern Indian state of Tamil Nadu, plans to adopt an active network management system as a pilot project to reduce renewable energy curtailment and improve system balancing. This move is undertaken in response to the high penetration of wind and solar renewables in Tamil Nadu. The active network management system will help manage one of the largest and most diverse renewable resources across TANTRANSCO's transmission network. Further, the Government of Tamil Nadu is launching a smart energy platform to improve energy conservation and emission reduction by providing intelligent and efficient services. The launch of a similar smart energy system in China called Tianshu-1, has demonstrated the potential benefits of such systems. Tianshu-1 integrates various functions, including energy monitoring, forecasting, regulation, and operation, to provide users with comprehensive services. By leveraging these technologies, businesses can improve energy efficiency and promote sustainable practices. Thus, such developments by the government of Tamil Nadu and the rising adoption of active network management systems have propelled the growth of the Asia Pacific active network management market.

### Asia Pacific Active Network Management Market Revenue and Forecast to 2031 (US\$

Million)

## Asia Pacific Active Network Management Market Segmentation

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

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

In terms of industry, the Asia Pacific 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 Asia Pacific 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 Asia Pacific 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 Asia Pacific active network management market is categorized into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. China dominated the Asia Pacific 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 Asia Pacific active network management market.

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