

North America IOT In Energy & Utility Application Market Forecast 2024-2032

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Report description:

KEY FINDINGS

The North America IoT in energy & utility application market is set to project a CAGR of 9.96% during the forecast period, 2024-2032.

In North America, the growing energy demand is the main driver for IoT. The production of energy is also increasing in the region, and to maintain the flow and production, IoT is required. The growing demand and supply cycle of energy & its utility is growing in the region. The majority of the energy sector IoT projects are applications-oriented toward demand. In addition, IoT brings numerous benefits to the entire value chain, optimizing all phases and communicating between them.

REGIONAL ANALYSIS

The North America IoT in energy & utility application market growth evaluation includes the analysis of United States and Canada. The United States plays a very important role in the energy & utility sector. Besides a large amount of consumption, it is becoming self-sufficient in production. The growing demand for energy & utility applications in technology, households, electric vehicles, industry, weaponry, petroleum vehicles, and other sectors is driving the demand for IoT applications in the country. In addition, IoT applications in renewable energy production in the USA have increased rapidly and involve sensors attached to distribution, generation, and transmission equipment. Therefore, IoT implementation will help utilize these clean energy sources optimally during the forecast period.

SEGMENTATION ANALYSIS

The North America IoT in energy & utility application market segmentation includes connectivity, end-user, and component. The end-user segment includes utility gas management, oil and gas, water management, electricity grid & supply management, and mining.

A smart gas utility system improves operations and can be life-saving. Further, safety is a major concern as leaks from gas appliances, gas line piping, etc., can be devastating. With IoT-connected solutions, homeowners, city officials, and building operators can instantly be alerted to methane leaks. With early detection monitoring capabilities, these devices can minimize potential environmental and personal harm caused by gas leaks. The market is witnessing strong growth in all geographical regions, even in emerging countries with slow technology adoption. Further, strong growth is expected in all technology verticals, presenting opportunities for IoT solutions and service providers.

Furthermore, IoT in the oil and gas industry enables real-time equipment, fleet, environmental conditions monitoring, and better transparency and control over processes. It also allows for on-demand equipment maintenance and optimizes related costs and

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effort. Moreover, IoT ensures better safety and transfers risky on-site operations to robots and UAVs. It also introduces automation, including automated leakage and breakage control.

COMPETITIVE INSIGHTS

Leading players in the North America IoT in energy & utility application market include Oracle Corporation, Capgemini SE, International Business Machines Corporation (IBM), etc.

Oracle Corporation provides a comprehensive and fully integrated stack of platform services, engineered systems, and cloud applications. The company offers computer hardware software and products and services, including middleware and database software, cloud infrastructure, application software, hardware systems such as storage, computer servers, networking products, and related support and services. The company has its operations across the Middle East, the Americas, Europe, and Asia-Pacific. The company is headquartered in Redwood Shores, California, the United States.

One of its most popular tools, Oracle Utilities Analytics, provides prebuilt extractors and schema for Oracle utility applications. It delivers a rich set of graphics, mapping, and mash-up tools. The product also offers near real-time analytics and enables analytic depth and breadth at a fraction of the cost. Further, it is built on Oracle Business Intelligence, the leading enterprise platform.

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