

Global IoT In Energy & Utility Application Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global IoT In Energy & Utility Application market size is expected to reach \$ 1861 million by 2032, rising at a market growth of 5.5% CAGR during the forecast period (2026-2032).

IoT in Energy & Utility Application refers to a technological system that deploys sensors, smart meters, communication networks, and data analytics platforms in infrastructure sectors such as power, water, gas, and heating to achieve remote monitoring, intelligent control, and optimized management of the entire process from production to transmission and distribution to consumption. Its core functions include real-time equipment status sensing, anomaly alarms, load forecasting, leakage detection, and resource scheduling optimization. Through IoT technology, energy efficiency can be significantly improved, operating costs reduced, supply security ensured, and demand-side response and carbon reduction targets supported, making it a key infrastructure for smart cities and the digital transformation of energy.

The global IoT in Energy & Utility application landscape is showing regional differentiation: North America and Europe lead in smart grids and smart water management, with high penetration rates and mature standards; the Asia-Pacific region (China, India, and Southeast Asia) is rapidly deploying smart meters and water network monitoring driven by policies, becoming the main driver of growth; the Middle East and Africa are focusing on oil and gas monitoring and water resource management. Current market trends show LPWAN replacing traditional wired communication, with edge computing and AI converging to achieve leakage detection and load forecasting. Future growth will be driven by energy transition, carbon reduction, and the upgrading of aging infrastructure. Major obstacles include inconsistent protocols for existing equipment, security and privacy concerns, and high deployment costs. Dynamic data shows that

utilities are accelerating the construction of integrated 'cloud-pipe-edge-device' platforms, and PPP models are driving large-scale project implementation.

This report studies the global IoT In Energy & Utility Application demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for IoT In Energy & Utility Application, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of IoT In Energy & Utility Application that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global IoT In Energy & Utility Application total market, 2021-2032, (USD Million)

Global IoT In Energy & Utility Application total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: IoT In Energy & Utility Application total market, key domestic companies, and share, (USD Million)

Global IoT In Energy & Utility Application revenue by player, revenue and market share 2021-2026, (USD Million)

Global IoT In Energy & Utility Application total market by Type, CAGR, 2021-2032, (USD Million)

Global IoT In Energy & Utility Application total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global IoT In Energy & Utility Application market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, IBM, General Electric Company, SAS Institute, Siemens, Schneider Electric, Cisco Systems Inc, Infosys Ltd, Wipro Ltd, Eaton Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world IoT In Energy & Utility Application market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global IoT In Energy & Utility Application Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global IoT In Energy & Utility Application Market, Segmentation by Type:

Supply Chain Management

Predictive Maintenance

Others

Global IoT In Energy & Utility Application Market, Segmentation by Communication:

Low-Power Wide-Area Network Communication

Cellular Mobile Communication

Wired Communication

Global IoT In Energy & Utility Application Market, Segmentation by Layer:

Perception Layer

Network Layer

Platform Layer

Application Layer

Global IoT In Energy & Utility Application Market, Segmentation by Application:

Water And Wastewater Management

Utility Gas Management

Grid Management

Others

Companies Profiled:

ABB

IBM

General Electric Company

SAS Institute

Siemens

Schneider Electric

Cisco Systems Inc

Infosys Ltd

Wipro Ltd

Eaton Corporation

Oracle Corporation

Enel X

Honeywell

Itron

Elster Group

Kamstrup

Energyworx

TEPCO

Toshiba Energy Systems

Hitachi Energy

NEC

SGCC

Huawei

Wasion

Advantech

Key Questions Answered

1. How big is the global IoT In Energy & Utility Application market?
2. What is the demand of the global IoT In Energy & Utility Application market?
3. What is the year over year growth of the global IoT In Energy & Utility Application market?
4. What is the total value of the global IoT In Energy & Utility Application market?
5. Who are the Major Players in the global IoT In Energy & Utility Application market?
6. What are the growth factors driving the market demand?

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