+357 96 030922
info@marketpublishers.com

Utility Asset Management Market Forecasts to 2032 – Global Analysis By Type (Power Grids, Water & Wastewater Systems, Oil & Gas Pipelines, Telecommunication Networks, Renewable Energy Systems and Other Types), Utility Type, Solution Type, Technology , Application and By Geography

https://marketpublishers.com/r/U16CD5AC5339EN.html
Date: May 2025
Pages: 150
Price: US$ 4,150.00 (Single User License)
ID: U16CD5AC5339EN

Abstracts

According to Stratistics MRC, the Global Utility Asset Management Market is accounted for $5.4 billion in 2025 and is expected to reach $8.5 billion by 2032 growing at a CAGR of 6.7% during the forecast period. Utility Asset Management is the systematic approach to overseeing and maintaining infrastructure used in utility services. It involves managing assets throughout their lifecycle, from acquisition and installation to maintenance and eventual replacement. By integrating technologies like IoT, AI, and predictive analytics, utility providers can enhance efficiency, reduce operational costs, and ensure reliability. This process helps address challenges such as aging infrastructure, regulatory compliance, and environmental concerns, while supporting modernization efforts like smart grids and renewable energy integration

According to Climate Central, about 83% of reported major power outages in the U.S. between 2000 and 2021 are due to weather-related events.

Market Dynamics:

Driver:

Increasing investments in smart grids and digital infrastructure

+357 96 030922
info@marketpublishers.com

Governments and private entities are allocating substantial funds to enhance grid reliability, efficiency, and sustainability. The integration of IoT, AI, and big data analytics enables real-time monitoring, predictive maintenance, and optimized asset utilization. Additionally, the shift towards renewable energy sources necessitates advanced asset management systems to ensure seamless integration with existing infrastructure. As utilities strive to improve operational efficiency and reduce downtime, the demand for intelligent asset management solutions continues to rise.

Restraint:

Increased connectivity and data flow raising concerns around cybersecurity

Utility providers must safeguard sensitive operational data from cyberattacks, data breaches, and unauthorized access. The complexity of integrating legacy systems with modern digital solutions further exacerbates security vulnerabilities. Additionally, compliance with stringent regulatory frameworks requires substantial investment in cybersecurity measures, increasing operational costs. As cyber threats evolve, utilities must continuously upgrade their security protocols, encryption techniques, and threat detection mechanisms to mitigate risks.

Opportunity:

Increasing availability and affordability of IoT sensors

These sensors enable real-time asset tracking, condition monitoring, and predictive maintenance, enhancing operational efficiency. The ability to collect and analyze vast amounts of performance data allows utilities to optimize asset utilization and reduce maintenance costs. Additionally, advancements in wireless communication technologies facilitate seamless data transmission, improving decision-making processes. The affordability of smart sensors encourages utilities to deploy scalable asset management solutions, enhancing grid reliability and sustainability.

Threat:

Absence of industry-wide standards

Variability in regulatory requirements, data formats, and interoperability protocols complicates system integration across different utility providers. The absence of standardized frameworks hinders cross-platform compatibility, limiting the effectiveness

+357 96 030922
info@marketpublishers.com

of asset management solutions. Additionally, inconsistent compliance regulations across regions create operational complexities for multinational utility companies. Without industry-wide standardization, utilities may struggle to achieve seamless data exchange, efficient asset tracking, and optimized resource allocation.

Covid-19 Impact:

Supply chain disruptions led to shortages of essential components, affecting the deployment of smart grid technologies. Additionally, financial constraints forced utilities to reprioritize investments, delaying modernization initiatives. However, the pandemic also accelerated the adoption of remote monitoring and automation technologies, enabling utilities to maintain operational continuity. While the initial impact was negative, the long-term outlook remains positive, with increased focus on automation, predictive analytics, and cybersecurity.

The power grids segment is expected to be the largest during the forecast period

The power grids segment is expected to account for the largest market share during the forecast period due to increasing investments in grid modernization and smart infrastructure. Governments and private entities are actively funding initiatives to enhance grid reliability, efficiency, and sustainability, ensuring seamless energy distribution. The integration of IoT, AI, and predictive analytics into grid management systems enables real-time monitoring, fault detection, and automated maintenance, reducing operational costs and downtime boosting the market growth.

The asset tracking & monitoring segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the asset tracking & monitoring segment is predicted to witness the highest growth rate driven by the increasing adoption of real-time monitoring and predictive maintenance solutions. Utility providers are leveraging advanced sensors, AI-driven analytics, and cloud-based platforms to track asset performance, detect anomalies, and optimize maintenance schedules. Additionally, the growing emphasis on data-driven decision-making is prompting utilities to invest in automated asset tracking systems, ensuring seamless integration with existing infrastructure.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market

+357 96 030922
info@marketpublishers.com

share driven by rapid urbanization, infrastructure development, and government-led smart grid initiatives. Countries such as China, India, Japan, and South Korea are heavily investing in grid modernization projects, aiming to enhance energy efficiency and reliability. The region's expanding industrial sector and rising electricity demand are further propelling the adoption of utility asset management solutions. Additionally, government policies promoting renewable energy integration are fostering the deployment of advanced asset management technologies to support sustainable energy transitions.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR fueled by technological advancements, regulatory mandates, and increased adoption of AI-driven asset management solutions. The region's strong focus on grid resilience and cybersecurity is prompting utilities to invest in next-generation asset management technologies to safeguard critical infrastructure. Additionally, the growing penetration of renewable energy sources is driving demand for intelligent asset tracking and monitoring systems, ensuring seamless integration with existing grid networks.

Key players in the market

Some of the key players in Utility Asset Management Market include ABB Ltd, ABS Group, Aclara Technologies, Black & Veatch, DNV GL, Eaton, Fujitsu, General Electric Company, Getac, Hitachi Energy, IBM Corporation, Lindsey Manufacturing, Oracle Corporation, Schneider Electric SE, Sensus, Sentient Energy, and Siemens AG.

Key Developments:

In December 2024, Hitachi Energy signed contracts worth over $2 billion with German grid operator Amprion for the construction of four converter stations as part of Germany's Korridor B project. This initiative aims to support the nation's energy transition by integrating renewable energy sources into the grid.

In September 2024, Oracle CloudWorld, Oracle announced the availability of Oracle Energy and Water Data Intelligence, a data unification, analytics, and AI solution designed for utilities. This solution provides pre-built, industry-specific insights to help utilities make informed decisions faster.

In October 2023, Hitachi Energy launched the next generation of its Asset Performance

+357 96 030922
info@marketpublishers.com

Management (APM) software solution, Lumada APM. This release includes new modules—Lumada APM reliability and Lumada APM optimization—designed to enhance sustainability, safety, and operational excellence by providing a unified view of assets and asset systems.

Types Covered:

- Power Grids
- Water & Wastewater Systems
- Oil & Gas Pipelines
- Telecommunication Networks
- Renewable Energy Systems
- Other Types

Utility Types Covered:

- Public Utility
- Private Utility

Solution Types Covered:

- Asset Tracking & Monitoring
- Predictive Maintenance
- Condition Assessment
- Risk Analysis
- Asset Lifecycle Management Software

+357 96 030922
info@marketpublishers.com

Other Solution Types

Technologies Covered:

Internet of Things (IoT)

Artificial Intelligence (AI) and Machine Learning

Big Data Analytics

Cloud Computing

Geographic Information Systems (GIS)

Other Technologies

Applications Covered:

Transformer Management

Substation Management

Transmission & Distribution (T&D) Lines Management

Other Applications

Regions Covered:

North America

US

Canada

Mexico

+357 96 030922
info@marketpublishers.com

- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America

+357 96 030922
info@marketpublishers.com

- Middle East & Africa
  - Saudi Arabia
  - UAE
  - Qatar
  - South Africa
  - Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

- Company Profiling
  - Comprehensive profiling of additional market players (up to 3)
  - SWOT Analysis of key players (up to 3)
- Regional Segmentation

+357 96 030922
info@marketpublishers.com

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

10 GLOBAL UTILITY ASSET MANAGEMENT MARKET, BY GEOGRAPHY

+357 96 030922
info@marketpublishers.com

11 KEY DEVELOPMENTS

12 COMPANY PROFILING

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Utility Asset Management Market Forecasts to 2032 – Global Analysis By Type (Power Grids, Water & Wastewater Systems, Oil & Gas Pipelines, Telecommunication Networks, Renewable Energy Systems and Other Types), Utility Type, Solution Type, Technology , Application and By Geography

Product link: https://marketpublishers.com/r/U16CD5AC5339EN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/U16CD5AC5339EN.html