

Digital Utility Market Expansion to \$594.2 Million by 2032 Backed by IoT and AI Adoption

Digital utilities are transforming the energy sector by combining intelligence, efficiency, and customer-centric innovation.

WILMINGTON, DE, UNITED STATES, September 9, 2025 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "Digital Utility Market Size, Share, Competitive Landscape and Trend Analysis Report, by Technology (Hardware, Integrated Solutions), by Network (Power Generation, Transmission and Distribution, Retail);

Global Opportunity Analysis and Industry Forecast, 2022 - 2032" The global digital utility market was valued at \$214.2 million in 2022 and is projected to reach \$594.2 million by 2032, growing at a CAGR of 10.8% from 2023 to 2032.

The digital utility market is rapidly evolving as utilities embrace advanced technologies such as smart meters, IoT, AI, and cloud solutions to improve operational efficiency, grid reliability, and customer engagement. Growing energy demand, renewable integration, and regulatory mandates are further driving utilities to digitalize their infrastructure for real-time data insights, predictive maintenance, and sustainable energy management.

For more information, visit: <https://www.alliedmarketresearch.com/request-sample/A109296>

Report ID: A109296

1. Drivers

The rising demand for energy efficiency and sustainability is a key driver of the digital utility market. Utilities are investing in digital platforms to integrate renewable energy sources, enhance grid resilience, and manage decentralized energy production, ultimately reducing costs and environmental impact.



Allied

2. Restraints

High upfront investments and concerns about data privacy and cybersecurity are major restraints. The digital shift requires utilities to upgrade legacy systems, which poses financial and technical challenges, especially for smaller providers.

3. Opportunities

Advancements in AI, machine learning, and IoT are creating new opportunities for predictive analytics, automated grid management, and personalized customer services. The growth of electric vehicles and smart cities further expands the potential of digital utilities.

4. Challenges

Managing large volumes of real-time data and ensuring interoperability between diverse digital systems remain key challenges. In addition, regulatory compliance across regions often slows adoption rates.

5. Trends

The adoption of cloud-based solutions, blockchain for energy transactions, and customer-centric platforms is emerging as a strong trend. Utilities are shifting from being just energy providers to digital service providers, offering bundled solutions and enhanced customer experiences.

□□□□ □□□□□□□□: <https://www.alliedmarketresearch.com/checkout-final/A109296>

□□□□□□□□ □□□□□□□□

The [digital utility market overview](#) is segmented on the basis of technology, network, and region. By technology, the market is divided into hardware and integrated solutions. On the basis of the network, it is categorized into power generation, transmission and distribution, and retail. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

□□□□□□□□ □□□□□□□□

North America leads the digital utility market, driven by strong investments in smart grid infrastructure, renewable integration, and advanced utility customer engagement platforms. The presence of major technology providers also accelerates adoption.

Asia-Pacific is expected to witness the fastest growth, with countries like China, India, and Japan modernizing grid systems and expanding renewable energy projects. Government initiatives, urbanization, and rising energy demand contribute significantly to regional market expansion.

□□□ □□□□□□□□ □□□□□□□□:

<https://www.alliedmarketresearch.com/purchase-enquiry/A109296>

□□□□□□□□□□□□ □□□□□□□□

The digital utility market is moderately fragmented, with global players competing through technological innovation, partnerships, and acquisitions. Companies are focusing on developing

advanced platforms to provide real-time analytics, cybersecurity, and end-to-end grid management solutions.

Major players include Capgemini, Accenture plc, General Electric Company, ABB Ltd., SAP SE, Oracle Corporation., Schneider Electric SE., Microsoft Corporation, Cisco Systems Inc., Siemens. These companies are leveraging digital technologies to strengthen their product portfolios and expand market presence across emerging economies.

Global Digital Utility Market

- The global digital utility market is projected to reach \$594.2 million by 2032, growing at a CAGR of 10.8% from 2023 to 2032.
- Software and services dominate the market, fueled by increasing adoption of digital platforms and analytics.
- North America leads in adoption, while Asia-Pacific is expected to grow at the highest rate.
- Integration of AI, IoT, and blockchain is reshaping grid management and customer engagement.
- Strategic collaborations and cybersecurity investments are critical for market competitiveness.

High Voltage Direct Current (HVDC) Transmission Market

High Voltage Direct Current (HVDC) Transmission Market

<https://www.alliedmarketresearch.com/high-voltage-direct-current-transmission-market-A12100>

Submarine Power Transmission Cable Market

<https://www.alliedmarketresearch.com/submarine-power-transmission-cable-market-A13487>

Electric Transmission and Distribution Equipment Market

<https://www.alliedmarketresearch.com/electric-transmission-and-distribution-equipment-market-A15779>

Transmission Sales Market

<https://www.alliedmarketresearch.com/transmission-sales-market-A12091>

Power Transmission Component Market

<https://www.alliedmarketresearch.com/power-transmission-component-market-A15552>

Biomass Power Generation Market

<https://www.alliedmarketresearch.com/biomass-power-generation-market-A08334>

Captive Power Generation Market

<https://www.alliedmarketresearch.com/captive-power-generation-market-A10787>

David Correa
Allied Market Research
+15038946022 ext.

[email us here](#)

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[YouTube](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/847456058>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.