

Article Overview

Energy industry internet platforms are digital ecosystems that integrate IoT, AI, and cloud technologies to optimize energy management, asset performance, and decarbonization efforts.

Overview

Energy industry internet platforms are designed to collect, analyze, and optimize energy data across utilities, renewable assets, EV infrastructure, and industrial operations. They enable real-time monitoring, predictive analytics, and automated decision-making, helping organizations reduce costs, improve efficiency, and support sustainability goals .

Key Platforms and Solutions

1. Energy Web Energy Web provides an open-source blockchain-based platform for tracking low-carbon energy products, managing electricity markets, and supporting decarbonization initiatives. It allows participants to contribute compute resources, earn rewards, and develop solutions for energy sustainability. The platform is trusted by regulators and grid operators globally . 2. Kraken Kraken is a real-time energy operating system that leverages Utility-Grade AI(TM) to optimize distributed energy resources, network management, and customer operations. It supports economics- and physics-based optimization and is widely adopted by utilities in the US, Europe, and Australia, managing over 90 million customer accounts . 3. Hitachi Energy Connect Energy Connect is an industrial IoT platform tailored for energy applications. It collects data from transformers, switchgear, battery storage, and EV chargers, providing real-time insights for asset performance management. The platform consists of Edge devices deployed on-site and a Core system for secure cloud management . 4. ABB Ability Energy Manager ABB Ability is a cloud-based energy and asset management platform offering dashboards, real-time monitoring, and data-driven insights. It can reduce energy waste and maintenance costs by up to 30%, supporting industrial digital transformation . 5. SAP E-Mobility and Cisco EnergyWise SAP E-Mobility focuses on EV fleet energy management, including smart charging and load balancing. Cisco EnergyWise enables organizations to monitor and optimize energy consumption across networked devices, improving efficiency and sustainability . 6. Real-Time Energy Intelligence Platforms Platforms like SynaptiQ, Dexter Energy, and Simpl Energy provide real-time analytics, forecasting, and optimization for renewable energy assets, trading, and grid management. They integrate multiple data sources, including Battery Energy Storage Systems (BESS), and offer predictive insights for operational efficiency .

Benefits

- o Enhanced energy efficiency through AI-driven optimization and predictive analytics.
- o Improved asset performance with real-time monitoring and maintenance insights.



Energy Sector Internet Platform

- o Decarbonization support via blockchain tracking and renewable integration.
- o Scalability and flexibility for utilities, industrial operators, and EV networks.
- o Cost reduction through optimized energy consumption and predictive maintenance.

Conclusion

Energy industry internet platforms are transforming the sector by integrating IoT, AI, cloud, and blockchain technologies. They provide actionable insights, enable sustainable energy management, and support the transition to a low-carbon economy. Organizations adopting these platforms can achieve operational efficiency, regulatory compliance, and enhanced customer experiences while contributing to global decarbonization efforts .

Access to Modern Energy Cooking Services: Players and Initiatives database

The energy platform also requires breakthroughs in large scale energy storage and many other areas including

Bringing digitalisation in the energy sector For it to succeed, the energy transition needs to be digital. Digitalisation

The digitalising energy action plan highlights how new technologies can help improve the

Through a comprehensive review of the current literature, technological advancements, and emerging business

IoT technology in the energy sector cuts costs and creates more productive connected buildings. The Internet of

Read Siemens Energy official press releases and media info to track the latest in energy tech

A roadmap for government, regulators and industry to strengthen cyber security and resilience across the Great

The global energy landscape is in a moment of profound disruption. With the accelerating impacts of the climate crisis to the rapid

New ENTSO-E reports highlight significant progress in European electricity market integration 26/06/2026 4 July 2025

To help you pick the right platform, we've compared the top 6 real-time energy intelligence platforms in the market today, and



Energy Sector Internet Platform

Gain in-depth insights into Digital Energy Platform Market, projected to surge from USD 20 billion in 2024 to USD 45

The benefits of the energy Internet, along with the challenges of its implementation on a large-scale distributed

Living in an era of unprecedented change, the "3Ds" are simultaneously reshaping the energy industry and driving the

Explore the Internet of Things in Energy Sector -- its applications, benefits, challenges, and

Energy management platforms can also support more seamless integration of intermittent renewable energy sources

Web: <https://millstraining.co.za>

