

Investing in Smart Applications of the Energy Internet

Duke Energy uses custom-built applications to help anticipate future energy demand and identify how and where to update the power grid. These applications run on AWS and help the utility ...

In this paper, we have comprehensively analyzed Internet of Things (IoT) applications enabled for smart grids and smart environments, such as smart cities, smart homes, smart metering, ...

IoE leverages the Internet of Things (IoT) for developing distributed energy systems. Advances in IoE aim to reduce waste and improve clean energy outputs for producers and ...

The main applications of IoT in smart energy systems consisting of smart industries, smart homes and buildings, and smart cities are explored and analyzed. The paper also explores the challenges ...

The application of the Internet of Things (IoT) in energy infrastructure is revolutionizing operations and maintenance practices, driving efficiencies, and enhancing sustainability across the sector.

The integration of IoT (Internet of Things) in the energy sector has the potential to transform the way it generates, distributes, and consumes energy. IoT can enable real-time ...

In this article, we review the architecture and functionalities of IoT-enabled smart energy grid systems. Specifically, we focus on different IoT technologies including sensing, communication, ...

The Internet of Things (IoT) has emerged as a key enabling technology for Smart Energy Hubs (SEH). While IoT offers a plethora of innovative solutions across various sectors, including ...

The Internet of Energy (IoE) is a concept that enhances energy management by integrating renewable energy sources and distributed generators (DGs). It facilitates a bidirectional ...

The utilization of smart technologies based on the Internet of Things (IoT) and Machine Learning (ML) has emerged as a crucial strategy for enhancing energy efficiency, particularly in...



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