Title: Smart grid edge computing
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An AI and analytics-based smart grid will require the ability to process data locally and quickly - this is where edge computing fits. This article explores the benefits of the combination of smart grids and ...

Edge computing (EC), a novel computing paradigm innovation, has high potential to help with the digitization of SG. This paper seeks to provide a comprehensive review of interdisciplinary ...

It has been demonstrated that edge computing is an efficient way to offload communication networks, reduce end-to-end latency, and enhance security and data privacy, crucial ...

Edge computing provides services on the side close to the data source, so as to meet the requirements of smart grid in real-time, intelligence and security (Song et al., 2021).

In the context of the smart grid, edge computing involves deploying small computing devices, known as edge devices, at various points in the grid, such as substations, distribution ...

The increasing complexity of conventional energy distribution systems, combined with the growing demand for efficient data processing, has necessitated the implementation of smart grid ...

The transformation of our energy grid through DI and edge computing represents one of the most significant technological shifts the utility industry has seen in decades.

Edge computing in the context of the smart grid represents a significant technological shift; moving data processing and analytics closer to the source of data generation, such as smart ...

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