

From robotic inspection drones to AI-driven smart grids, software is becoming the backbone of modern energy automation. This article explains how EMS platforms, SCADA, digital ...

Businesses need to find ways to become more competitive and resilient amid rising energy costs, changing global supply chains and workforce pressures. Electrification and automation ...

Introduction nsition is top of mind for today's utility and energy leaders. The challenges associated with it are manifold: utility and energy companies will need to manage decentralized power generation and ...

The Internet of Things (IoT) is transforming the landscape of the energy sector in the United States, offering innovative solutions that enhance operations, improve maintenance practices, and optimize ...

In our work, we synthesize the main impacts of the Artificial Intelligence paradigm on the automation of the Electricity Supply Chain. We describe the emerging automation through Artificial ...

In this case study, we look at how Xcel Energy, one of North America's largest energy providers, is using data and AI to achieve net zero targets.

The energy sector is undergoing a significant transformation driven by advancements in digitalization and renewable energy sources. The integration of the Inter.

The electric utility industry's use of IoT applications has closely followed the arc of technology availability. While seldom on the bleeding edge, utilities have always leveraged available ...

This paper provides a comprehensive overview of the role of IoT in electrical systems, with an emphasis on smart grids, predictive maintenance, and energy management in smart buildings.

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 ...

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