



Electric grid management

In this paper, we explore the impact of reactive power on the grid and examine its effects on voltage regulation, power factor correction, losses, equipment overheating, and grid instability....

Unlocking the Potential: Smarter Grid Management Key to UK's Rooftop Solar Ambitions The United Kingdom's aspirations for widespread rooftop solar photovoltaic (PV) adoption hinge on ...

The UK's new scheme to mandate rooftop solar panels on new homes is a positive development for net zero, but without proper grid monitoring, modelling and investment, it risks technical issues and hampers fair access to clean ...

Kuafu is thrilled to announce the successful raising of \$25,000 in new funding--a significant milestone that propels the company further on its mission to revolutionize energy management ...

Summary On July 22, 2025, Landis+Gyr Group AG (LDGYY, Financial) announced a strategic partnership with Withlacoochee River Electric Cooperative (WREC) to deploy its Gridstream ...

Electrification Software transforms how our customers solve their toughest challenges by putting industrial data to work. Discover how GE Digital's Distribution Operations Training Simulator can help your electric utility with ...

As electric utilities and grid operators across the United States grapple with the sudden arrival of rising electricity demand, they're seeking solutions to maintain reliability while managing costs by avoiding or deferring expensive ...

Description: This project will modernize electricity distribution in the City of Saint John through intelligent grid management systems and bring cost savings and improved service reliability to ...

China Southern Power Grid, one of the country's two major power grids, vowed to invest 670 billion yuan (\$105 billion) recently in grid network construction during the 14th Five-Year Plan period (2021-25) to ensure power ...

ChargeScape has partnered with PSEG Long Island to enroll more than 6,000 BMW and Ford electric vehicles (EVs) in a grid management initiative designed to reduce electricity demand ...

California's statewide power grid operator is poised to become the first in North America to deploy artificial intelligence to manage outages, MIT Technology Review has learned. "We wanted to ...



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This paper presents a stochastic optimization framework for microgrid (MG) energy management, integrating electric bicycle (E-Bike) and electric vehicle (EV) charging stations with a green ...

Ethan Boardman is a Senior Advanced Distribution Management Systems (ADMS) Consultant with Grid Software, GE Vernova, along with being the leader of GE Vernova's Distribution Operations Training Simulator (DOTS) ...

The risk management process should include regular audits, incident response planning, employee training, and the implementation of cybersecurity best practices. Cyberintelsys offers comprehensive risk assessment and ...

Electrical simulation and management are essential for ensuring reliable, efficient, and sustainable power supply to various consumers. However, the traditional power grid faces many ...

Wipro Limited announced a multi-year strategic contract with Saudi Electric Company's National Grid SA. The partnership involves implementing a Smart Meter Data Management (MDM) system to modernise the client's meter data ...

The solutions cover a range of areas including energy management, utility industry solutions, smart grid technologies, and cloud solutions. By adopting SAP solutions for energy and utilities, companies can stay ahead of the curve ...

Google will spend \$25 billion on data centers and artificial intelligence infrastructure in the PJM electric grid region over the next two years. PJM is the biggest electric grid in the nation ...



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