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With an overwhelming bipartisan majority in both chambers, the Oregon Legislature voted to make the state a leader in energy resilience with a first-in-the-nation strategy to create a ...

? Paper Accepted at IEEE TASE - Rule-Based Predictive Control for Battery Scheduling in Microgrids Under Power Generation and Load Uncertainties (Dec 2024) ? Workshop/Tutorial Chairs for the DEBS 2025 (Sep 2025)

Decentralized alternatives like microgrids and distributed energy resources (DERs) provide flexibility but often lack overarching coordination for city-wide optimization (Meijer and Bol#237;var, ...

As we accelerate the shift to renewable energy, are we prepared for the grid stability challenges that come with it? The rising proportion of energy from fluctuating sources like wind and solar ...

These microgrids can switch between solar, wind, battery storage, and traditional grids on the fly, increasing energy resilience and reducing waste. Meanwhile, solid-state batteries (once a distant promise) are now entering pilot programs ...

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The Lynk & Co 02 has been awarded the highest ever Euro NCAP score for a compact SUV in its current evaluation cycle, confirming it as the safest vehicle in its class tested in 2025. With ...

(Editor's Note: This story originally posted July 2024. With the upcoming July 4 holiday celebrating our U.S. independence, we thought we would repost this to highlight growing American energy independence). Long ...

In remote, industrial, telecom, and rural applications, diesel-solar hybrid microgrids (integrated systems) are becoming the go-to solution for reliable, cleaner, and cost-effective power. Here ...

Microgrids are one way to help communities stabilize crucial services during climate-driven power outages and other emergency events. Decarbonizing our electric system In order to slow -- and ultimately reverse ...

Habitat AI lays the foundation for a new class of AI infrastructure engineered for tomorrow's intelligent and autonomous systems Habitat AI, a new joint venture between real estate group ...

Solar-powered microgrids have become increasingly popular in recent years as a way to provide reliable and



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sustainable energy to remote communities and areas without access to a centralized power grid. These ...

With smart investment and policy, second-life battery microgrids could become a foundational piece of resilient, circular energy infrastructure. According to research firm IDTechEx there will ...

The import/export ratio is disturbing in various SAARC grids, and a solution in terms of community microgrids is presented from Pakistan's perspective as a case study. The proposed work gives ...

After a 5-year journey, the European energy initiative TIGON has delivered real-world validation of high-voltage, hybrid microgrids that can slash energy losses, improve resilience, and ...

One of the bills orders the Oregon Public Utility Commission to create a regulatory framework for private and community-owned microgrids. It also orders regulators to establish rules for buildings to connect to microgrids. Under the measure, ...



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