

Key outcomes included progress on battery energy storage, GCC grid interconnection, digital substations and AI-driven analytics, strengthened cybersecurity alignment, and regional talent ...

Top goals in grid modernization efforts. In our survey analysis, we identified four groups based on their grid modernization strategies, including demand flexibility, grid optimization, energy ...

NEMA Commends Prioritization of Grid Expansion, Modernization in White House AI Action Plan July 25, 2025 - NEMA President and CEO Debra Phillips issued the following statement today ...

To help unlock the potential of renewables and ensure a reliable, resilient grid, we consider a tri-phased scaling strategy. This strategy navigates progress in three distinct phases, each building upon the ...

Discover grid modernization trends, digital technologies, and renewable integration. Learn how infrastructure upgrades create a more resilient power grid.

While energy storage offers significant benefits for grid modernization, some challenges remain for acceptance and implementation to grow. The initial investment in ESS can be significant, although ...

As the use of renewables surges, energy infrastructure is under mounting pressure to keep pace. This short read unpacks where--and why--the grid is strained, and how power operators ...

Transforming the energy future with smarter, resilient, and sustainable power grids--unlocking renewables and meeting tomorrow's energy challenges today. Grids are the hidden ...

Expanding and modernizing the electrical grid infrastructure is imperative given that global electricity demand is projected to grow by 150% by 2050. How can grid planners, operators and...

Drawing on survey data and extensive industry experience, we have identified the industry's top grid modernization priorities, the top challenges and the strategies and tactics that can drive success.

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