

While modernizing the power grid may seem like a daunting task, it is now a priority: wind energy was the source of about 10.2 percent of total U.S. utility-scale electricity generation and ...

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...

Grid expansion and modernization will be necessary to meet the global electricity demand needed for a clean energy future.

The increasing adoption of renewable energies, residential solar panels, domestic batteries, and electric vehicles highlights the urgent need for modernization.

In our survey analysis, we identified four groups based on their grid modernization strategies, including demand flexibility, grid optimization, energy exchange, and smart assets.

Grid modernization will require a suite of policy changes to support advancements in grid technologies, grid management, and utility regulation.

We are working with public and private partners to develop the concepts, tools, and technologies needed to measure, analyze, predict, protect, and control the grid of the future.

Meet NLR's grid modernization experts and explore their research shaping the future of the power grid. Check out the On the Road to Increased Transmission series to learn how the United States can ...

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.

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

Web: <https://black-hat.co.za>