



Power grid solutions

PowerGrid is a leader in the utility industry with over 35 years of experience protecting and ensuring the integrity of our nation's electrical grid. Our reputation is built upon our principal value for people which spans our team, our clients, and their customers.

GE Vernova's Grid Solutions business electrifies the world with advanced grid technologies and systems, enabling power transmission and distribution from the point of generation to the point of consumption, and supporting a decarbonized and secured energy transition.

To meet these aggressive targets, the entire electric power sector must be dramatically upgraded, with improvements to grid infrastructure required to support this power sector transformation. Through this transformation, the grid of the future faces many challenges.

Explore our digital grid solutions for utilities, designed to digitize, optimize, and automate for enhanced grid flexibility, resiliency, and risk mitigation. Discover our range of feeder and distribution automation control and monitoring solutions for enhanced reliability.

The U.S. Department of Energy's (DOE) Grid Solution Program seeks to tackle this head-on by providing holistic solutions to address key grid challenges before they become major obstacles for the deployment of clean energy and infrastructure technologies.

Smart grid technology--an integral part of energy's digital transformation--promises to modernize the traditional electrical system with an infusion of digital intelligence that helps energy providers transition to clean energy and reduce carbon emissions.

A new report from the Department of Energy (DOE) finds that deploying "advanced" grid solutions available today can cost-effectively increase the capacity of the existing grid to support 20-100 GW of incremental peak demand when installed individually, while also improving grid reliability, resilience, affordability, and sustainability.

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