

How does Cisco secure the grid?

Cisco secures the grid with segmentation, authentication, visibility, and threat detection/mitigation. (PDF) See how Cisco maps grid security solutions, techniques, and services to NERC CIP requirements. See how Cisco brings IT and operational technology (OT) together for real-time decision making. (PDF)

How can Cisco help Enel achieve a low-carbon energy grid?

Using Cisco technology, Enel can monitor its energy grid and preemptively address any faults or failures that threaten the network. Cisco is also helping Enel connect its grid to renewable energy sources like solar and wind energy at scale, speeding the transition to a low-carbon electricity grid.

Can energy grids be a net-zero future?

At a Cisco-sponsored Climate Week NYC session, innovative thinking on net-zero energy. Energy grids are a critical component of a net-zero future. But transforming them will not be easy. Nevertheless, there is tremendous potential for highly efficient, resilient grids that bring clean energy to even the most underserved regions of the world.

How will AI Impact energy grids?

Artificial intelligence is an emerging technology that all agreed can have tremendous impact on energy grids, by taking the intelligence and visibility to next levels. Cisco and Gridspertise are ensuring that today's grids will accommodate the future demands of AI. "I think we're barely scratching the surface on AI," said Chung.

Is there a bridge between grid reliability and powering a Better Tomorrow?

Between grid reliability today and powering a better tomorrow, there's a bridge. Cisco provides solutions that improve system efficiency, resiliency, and security for the changing environmental, consumer, and regulatory conditions that utilities are facing. Monitor and control the grid with a secure and reliable communications network. (PDF)

How do smart grids work?

Building smart grids starts with adding capabilities to capture more granular data -- building out the Internet of Things (IoT). IoT refers to devices with sensors, processing ability, software and other technologies, which connect and exchange data with other devices and systems over the Internet or other communications networks.

Digital innovations are critical to meeting those challenges. And in myriad ways, Cisco is contributing to an energy future that's more sustainable, secure, and smart. "Utilities and energy are critical infrastructure ...

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resilient, and secure grids. Mary de Wysocki explained how Cisco is driving next-level networking to support the energy grids of the future.

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Industrial IoT and Edge Intelligence can enable Enel and other electricity distributors to take advantage of the full potential of smart grids, optimizing energy usage, and delivering a better service to their customers.

Learn how Cisco's solutions for digital utilities help to modernize the grid with infrastructure-grade grid security, WAN solutions for converging disparate networks, open standards-based substation automation, high-efficiency distribution automation, advanced metering infrastructure, and mobile workforce automation.

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Meeting expanding security regulations and power grid management requirements; To thrive in this new era, you need to connect and modernize grid operations end-to-end. In this whitepaper, we'll cover: Grid security; WAN modernization; Substation and distribution automation; Smart meters; Mobile workforce collaboration

Cities, regions and countries are creating electricity networks that use digital communications technology to detect and react to local changes in usage ("smart grids"). Digitalization of electric grids is supporting new ways to source and use energy more sustainably while also enhancing cybersecurity. Why are smart grids necessary?

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