

What is a smart grid solution?

Smart grid solutions to accelerate utility modernization, security, and reliability. 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.

What is the market for off-grid solar in Mozambique?

The total estimated addressable market for off-grid solar is currently 173 MW, and is expected to grow in line with the growth of the aforementioned sectors. Recent energy policy reforms are also changing the game for off-grid renewables in Mozambique.

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.

Does Mozambique have a strong energy sector?

Over the past two decades, Mozambique has seen steady economic growth, combined with a suite of actions aimed at strengthening the energy sector. The introduction of the Electricity Law in 1997 opened the way to greater participation of the private sector, including the facilitation of Power Purchase Agreements (PPAs).

Does digitalization of electric grids improve cybersecurity?

Digitalization of electric grids has a third key leg -- enhancing cybersecurity through smart controls that can be accessed faster and remotely. Cybersecurity is part of the United Nations' Sustainable Development Goal 16, which focuses on peace, justice and strong institutions and includes upholding the right to privacy.

From the "it's time to get smart about power" files: The Smart Grid, the idea of transforming the century old electrical grid in the United States into a more efficient and optimized platform for electricity management and delivery is big business -- a business in which networking giant Cisco (NASDAQ:CSCO) is very interested in playing a key role.

The Cisco multi-service FAN solution is based on a flexible two-tier architecture that generates IP network services such as security, quality of service, resilience, and management supporting use cases such as

Advanced Meter Infrastructure (AMI), Distribution Automation, and work force automation. The Cisco FAN solution consists of three main ...

Cisco, the networking giant, updates and extends its Connected Grid portfolio along with technology partner Itron; network interoperability will be its key competitive argument with utilities.. Ever since it got into the smart grid business three years ago, Cisco has been promising to network every part of the grid. Since then, we've seen it deliver on some pieces of ...

Cisco Connected Grid Services deliver clear and immediate benefits to the utility, cost- effectively controlling access to critical utility assets, monitoring the network, mitigating threats, and protecting physical facilities.

o Sense and prevent power blackouts by isolating disturbances in the grid Figure 1. Main Applications of a Smart Grid Source: Cisco IBSG, 2008 Grid Monitoring/ Management Smart Metering Smart Grid Applications Smart Grid Platform Demand-side Management Renewables" Integration Distributed, Intelligent Grid Management

ScottishPower Renewables relies on Cisco solutions like CyberVision, Cisco Validated Designs for Power Utilities and Renewable Energy, and Cisco Ultra-Reliable Wireless Backhaul, ... I feel Cisco can be a critical enabler -- to that smart, modern, clean grid, powered by the network, and providing a ton of data and observability in a super ...

Cisco manufacturing solutions help you benefit from industrial Internet of Things (IIoT) and Industry 4.0 advances with robust connectivity and security. ... Cisco also offers a wealth of different manufacturing solutions that support smart ...

LIBERTY LAKE, Wash.--Jan. 15, 2013--Itron, Inc. (NASDAQ: ITRI) announced today that National Grid, a supplier of electricity to approximately 3.4 million customers in the Northeast, has selected Itron's smart grid solution which uses Cisco's multi application communications network for the utility's 10,000 meter Smart Grid Pilot Program in Worcester, Mass.

São Paulo, Brazil, May 4, 2015 - Cisco will provide communications infrastructure to "Energy+", the smart metering program of Eletrobras, a major Brazilian electric utility that will serve the states of Amazonas, Alagoas, Acre, Piaui, Rondonia and Roraima. With World Bank's funding of R\$ 1,2 billion, Energia+ project will enable operational efficiency by improving service quality and ...

Communications technology underpins the modern smart grid, enabling assets to send data in real-time to control center and business applications. This results in a greater situational awareness of the grid. Substations are by nature challenging environments and call for a different class of router.

SAN JOSE, Calif. - January 17, 2012 - Cisco today announced additional solutions and services to its Connected Grid portfolio that will help utilities modernize the electric grid with built-in flexibility, security

and interoperability enabled by the power of the network. Cisco's new technology architecture, solutions and related services address key utility concerns around ...

Cisco manufacturing solutions help you benefit from industrial Internet of Things (IIoT) and Industry 4.0 advances with robust connectivity and security. ... Cisco also offers a wealth of different manufacturing solutions that support smart factories. Furthermore, it offers highly advanced technology, and we can be assured that its offerings ...

The company's smart grid solutions deliver real, quantifiable benefits and have proved pivotal to validating the case for smart grid investment. Itron's grid management solution provides utilities with a unified platform for managing the ever increasing complexity of the smart grid. 9. Hitachi Market cap: US\$74.37bn

The Cisco Distribution Automation - Feeder Automation Design Guide provides a comprehensive explanation of the entire end-to-end Cisco Smart Grid Field Area Network (FAN) solution design, which was developed for the Utility Industry in the Americas region and leverages the license free spectrum: ISM band 902 - 928 MHz for last mile connectivity ...

Providing solutions through off-grid energy access is a pillar to ensure universal access. For the first time, Mozambique has a regulation that can provide guidance and a legal ...

Cisco will provide solutions for efficient, IP-based backhaul communications for smart meters that will integrate proprietary solutions into the overall smart grid platform. Cisco's Home Energy Management and Business Energy Management solutions will help optimize energy demand, use and cost by providing greater access to data and analysis tools.

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