



Smart grid exemple Guam

-- ABB WIRELESS WHITEPAPER Guam Power Authority Multi-use wireless network for smart grid communication 2 GUAM POWER AUTHORITY CASE STUDY Challenges o Utility relied on customers to report outages and outage location, lengthening time to restore power o Inaccurate reading of analog electric meters and under billing o Costly and time ...

Summary: The Guam Power Authority's (GPA's) Smart Grid Project involved a territory-wide deployment of advanced metering infrastructure (AMI) and integration of the AMI with an outage management system (OMS). GPA also implemented substation automation equipment including voltage regulators, fault indicators, smart relays, and transformer monitors.

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This cloud-based tool will detect and locate grid oscillations (fluctuations in power) and other adverse events in systems with high levels of renewable energy integration. It will respond to these events in near real-time, helping to mitigate inadvertent power ...

Summary: The Guam Power Authority's (GPA) Smart Grid project involves a territory-wide deployment of advanced metering infrastructure (AMI) and implementation of substation automation equipment, which includes circuit switches, capacitors, voltage regulators, fault indicators, smart relays, and equipment sensors. Customers can install devices ...

The GPA Connected Grid Project is a comprehensive, integrated crosscutting program including communications systems, advanced metering infrastructure, distribution automation projects, advanced information and control systems, outage and workforce management systems, energy demand management and control, enhanced security systems, ...

GPA has experienced the benefits of a smart grid deployment at every step and will continue to enhance and expand its capabilities, especially ...

Grid Transformation. GPA will generate 25% of its energy from renewable resources by 2024 and 50% by 2030 while improving grid stability and resiliency. Customers benefit through lower and less volatile fuel recovery (LEAC) rates, cleaner air, improved power quality, fewer outages, and reduced overall carbon footprint. Renewable Energy Projects

GPA has experienced the benefits of a smart grid deployment at every step and will continue to enhance and expand its capabilities, especially as it pertains to substation automation, demand-side management and



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mobile workforce management.

Guam Power Authority (GPA) needed a robust communication infrastructure. They selected Hitachi Energy's TropOS wireless broadband network to provide smart grid communications.

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