Challenge

Provide a scalable wireless network that integrates with metering technology for Advanced Metering device management and multidevice modes of operation that incorporate bridging, access points for clients, mesh networking, secure encryption, and rugged infrastructure design. It should also support VLANs allowing for multiple users with varying levels of authorization and applied security policies, and PoE reduced installation cost and expedited implementation.

Solution

3eTI's Air Guard™ 523-3 multi-mode secure wireless access points provide interconnection of building-level, advanced metering solutions in support of the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. Over 5,000 Air Guard 523's are being installed at DoD installations in CA, WA and Naval District of Washington as networked systems for measuring energy usage, energy allocation and real time energy resource management to reduce energy consumption.

DOD installations are able to manage energy use, power quality and cost by connecting smart meters to Air Guard wireless units. DoD installation managers estimate energy savings of over 10% with the fully installed system.

About 3eTI

3e Technologies International (3eTI), an Ultra Electronics company, is a leading provider of highly secure wireless networks that enable critical systems security, infrastructure security and industrial automation for the military, government, industrial and utility markets. Its product portfolio includes proven and robust secure wireless mesh networks, sensor networks, cyber security, and perimeter security solutions, deployed for a range of applications, including military base security, onboard military ship communications, rapidly deployable public safety communications, and advanced metering infrastructure for SmartGrid programs. 3eTI’s platforms are approved for use by the most stringent and demanding customers: the U.S. military.