



A Midwestern Utility Company Brings Connectivity to the Plant Floor with TerraWave Solutions®



Executive Summary

Company Focus

- A Midwestern Utility Company Coal Fire Generation Plant

Business Challenge

- Procurement, integration and installation costs
- Challenging hot and dusty environment
- Need to see the AP status indicator lights from a distance

Solutions

- Cisco 1252 Access Point in a TerraWave 14" x 12" x 6" Polycarbonate Enclosure with a Clear Door and Latch Locks
- Cisco 1252 Access Point in a TerraWave 14" x 12" x 6" Polycarbonate Enclosure with a Solid Door and Latch Locks

Benefits

- The enclosure provided superior dust and thermal protection for the access points
- The utility saved integration and procurement costs by utilizing the Cisco STI program
- Each enclosure solution install took minimal time, allowing the plant to operate on a semi-normal schedule during deployment
- The company was able to purchase the entire solution through one source

TerraWave Solutions Enclosures Provide Superior Protection for Cisco Access Points

Challenge

A large Midwestern utility owns a coal-fired generating plant and needed to bring IP connectivity to all areas of the plant to more efficiently monitor and control operations. The site survey indicated the need for nearly 100 Cisco 1252 access points throughout the plant for adequate coverage.

The first challenge was the environment: the coal dust and extreme temperatures affect wireless equipment from operating at optimal speeds and can reduce the life of the product. An additional challenge was a shortage of in-house labor to build and configure the access points with enclosures and external antennas. The engineering team needed a ready-to-install solution.

Solution

TerraWave's innovative Solution Technology Integrator (STI) program with Cisco allowed the utility to purchase Cisco 1252 Access Points (APs) pre-installed in TerraWave's 14" x 12" x 6" polycarbonate enclosures.

The utility company deployed two enclosures, one with a clear door and another with a solid door. The enclosures with the clear doors were deployed in areas where the solution was not easily accessible, such as high in the ceiling of the plant. The engineers were able to monitor the AP status lights without physically opening the enclosure, saving time and cost of the plant being off-line to detect and service the AP.

Additionally, the polycarbonate enclosures were able to provide NEMA 4X protection from the dust and extreme temperatures generated on the plant floor, extending the life of the AP in such a harsh environment. The latch locks also provided an additional degree of protection against potential tampering with the equipment.

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For detailed product information and to purchase product, please contact a TerraWave wireless networking solutions sales engineer at 210-375-8482, 800-851-4965, sales@terrawave.com or visit www.terrawave.com.

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The Cisco 1252 Solution



14" x 12" x 6" Polycarbonate Enclosure with Solid Door, Latch Locks and Cisco 1252 AP



14" x 12" x 6" Polycarbonate Enclosure with Clear Door, Latch Locks and Cisco 1252 AP

The utility was able to save procurement, installation and integration costs by purchasing the completed, ready-to-install solution with the Cisco access point from TerraWave. When the utility received the enclosure and AP solutions, all the engineer had to do was simply mount the solution. Through the Cisco STI program, the utility was able to maximize the company's budget and resources while providing superior protection and ensuring the longevity of their wireless investment.

About TerraWave Solutions

TerraWave Solutions offers innovative Wi-Fi networking accessories and consulting services of exceptional quality. Focusing on wireless data, 802.11 a/b/g and next-generation 802.11n MIMO solutions, TerraWave designs, develops, manufactures and integrates Wi-Fi components based on the unique requirements of every client. TerraWave's unrivaled wireless networking knowledge means our customers receive complete solutions to seamlessly deploy, manage, secure and troubleshoot a wireless network. We apply this knowledge in providing unparalleled Wi-Fi consulting services to offer our customers tailored solutions for any WLAN application. TerraWave's complete line of premium products is compatible with Cisco WLAN equipment. Visit www.terrawave.com for additional information or call 1-800-851-4965.



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