

## TerraWave Case Story

### Wi-Fi Solutions Deployed

- TerraWave Integrated Antenna and Cisco 1242 AP Enclosures
- TerraWave 5.8 GHz 15 dBi V-POL Sector Panel Antennas

### TESSCO Customer

Value Added Reseller (VAR) located on Colorado

### Industry

Mining (corrosive environment)

### Business Challenge

Mining company had an urgent need to replace their wired data network with a wireless system.

### Problem

The wired network was buried underground. Due to the corrosive nature of material being mined, the company had to replace all of the wiring on a regular basis. The time and expense of maintaining the wired infrastructure became untenable.

### Solution >> Wireless Bridging

The VAR reached out to TerraWave Solutions for the Company's advice and expertise regarding wireless LAN solutions. A TerraWave sales engineer designed and recommended a complete wireless point-to-point, and point-to-multipoint solution involving the TerraWave Integrated Antenna and Cisco 1242 AP Enclosure Solution and TerraWave Sector Panel Antennas.

The integrated enclosures offered a three-in-one outdoor wireless solution: A fully integrated Cisco 1242 dual radio AP and a high-gain antenna contained within ruggedized and weatherized enclosures that were able to be mounted to metal buildings. The wireless network was complete with TerraWave's 5 GHz 15 dBi sector panel antennas that provide 90-degree horizontal beamwidth. Because of the WLAN equipments' versatility, and durable outdoor rating, the VAR customer was able to present a very cost effective, and optimal technology solution.

For more information about these and other WLAN products, please visit [www.terrawave.com](http://www.terrawave.com).



TESSCO Part Number: 436947  
TerraWave Part Number: TI58230AP1242  
802.11a Radio  
5 GHz 23 dBi Internal backhaul with  
5 GHz RPTNC Plug Connectors  
**List Price: \$1,549.00; Gold: \$1,239.20**

[View Detailed Specs](#)



TESSCO Part Number: 462907  
TerraWave Part Number: T58150P10006120  
5.8 GHz 15 dBi V-POL Sector Panel Antenna  
**List Price: \$194.21; Gold: \$155.37**

[View Detailed Specs](#)