
Trend Control Systems Ltd.

Cellular Connectivity Increases Efficiency of Building Energy Management Systems - A Sierra Wireless® Remote Monitoring Solution



Cellular Connectivity Increases Efficiency of Building Energy Management Systems

A Sierra Wireless® Remote Monitoring Solution

CUSTOMER CRITICAL CHALLENGE

- Installation of Building Management Systems (BEMS) was frequently delayed by landline installation and integration with customer's core IT infrastructure
- Needed a rapidly deployable solution to get customers up and running quickly

SOLUTION

- Develop an integrated solution with Sierra Wireless AirLink® gateways

BENEFITS

- Lowers installation and infrastructure cost and speeds return on investment
- Provides secure, reliable connection
- Rugged devices are suitable for use in nearly any environment
- Through close monitoring of heating, ventilation, air conditioning and other building services, Trend's systems are able to minimize energy consumption and maintain

consistently comfortable conditions – as well as lower plant maintenance costs.

Business Challenge

During a typical BEMS deployment, two of the most time-consuming components are installing new landlines and integrating with the customer's core IT network.

Installing a new broadband line is costly and frequently requires long lead times (weeks to even months) for installation from a local provider. One alternative to a newly installed landline is to leverage the building's existing core IT infrastructure. While this option can lower deployment costs and lead times, organizations or building owners are often reluctant or refuse to allow third parties to integrate with their IT network.

To avoid the delays, costs and difficulty in using new or existing landlines, Trend began to investigate alternative methods of communicating with their deployments, including cellular networks.

Sierra Wireless AirLink® Solution

As Trend began their search for a reliable connectivity device, they turned to Westbase Technology, a provider of innovative wireless solutions. After in-depth discussions and a complete assessment of the deployment scenarios, Westbase recommended the AirLink gateway from Sierra Wireless, a rugged, compact gateway, specifically designed for unmanned communications where reliability is a must.

Westbase worked in partnership with Trend to develop the Trend Connect system. Trend Connect is a fully managed solution that provides 24/7 system monitoring and management. The system facilitates the Trend Energy and Support Solutions Team to respond instantly to alarms triggered at customer sites.

By integrating the AirLink gateway with their innovative BEMS platform, Trend developed a rapidly deployable wireless solution.

“By working with the team from Westbase we have drastically reduced our dependence on landlines, and have designed a BEMS solution that's amazingly simple to deploy and manage,” remarked Sean Brook, Energy and Support Solutions Manager, Trend Controls. “As a result our customers will experience lower costs and ultimately a quicker return on investment.”

Results

“Utilizing the AirLink gateway we have been able to provide Trend Controls a managed, secure, reliable high-speed solution that they can install in a greatly reduced timeline against fixed line,”

said Kakad.

“By working with partners like Sierra Wireless and Westbase we can concentrate on our core competencies while leveraging cellular technology to extend our business and improve our product suite.”