

Enterprise Asset Monitoring Program Transforms Customer's Reliability Model

This longtime Experittec customer was delving into the realm of wireless monitoring long before many of its peers. Initially, they tried a solution from a smaller company that did not offer much support or engineering expertise. While this trial program did not perform up to expectations, the customer learned what they did want from their reliability solutions provider—and that's where Experittec came in. This customer's reliability initiative occurred right when Emerson introduced significant innovations in its portable wireless transmitters with game changing Rosemount™ WirelessHART® and Emerson PeakVue™ technology at the core. Also, in part, due to COVID restrictions and reduced personnel at the plants, the size of the project evolved from one site into a full-fledged rollout, including an accelerated timeline to support the company's entire fleet of power generation plants.

“We've got to do things differently. We can't afford to send dozens of people out in the field when we're competing in an environment where consumers may soon have an electric battery bank in their basement and solar cells on the roof.”

—Director of Reliability Generation

A Transformational Solution:

As with many of the customers we serve, this utility was looking for a less labor-intensive solution—one that did not require dozens of people collecting data manually, could reduce unplanned downtime, and supported a move toward condition-based maintenance. The customer considered this project to not only be practical, but also transformational. They wanted their reliability partner to help them realize their vision of an entire enterprise-wide wireless sensor network—transitioning them from a 90% manual monitoring solution to a nearly 100% automated one—in 3 years! Few, if any, companies but Experittec (as an Emerson Impact Partner) had the breadth and quality of products designed to work together—supported by a team of technical experts and services with the ability to turn that vision into a new model for the company.

POWER GENERATION

INDUSTRY-LEADING TECHNOLOGY



Project Scope:

- 5000+ AMS Wireless Vibration Monitors
- AMS Trex™ Device Communicators
- 75+ Rosemount™ WirelessHART® Gateways
- AMS Machine Works & AMS Device Manager
- Reliability Consulting, Engineering, and Technical Support

DECADES OF EXPERIENCE

Business Results:

- **Hundreds of Thousands of Dollars Saved**
Through maintenance catches, unplanned downtime/emergency repairs, improved asset health data for planning outages
- **The Switch From Being Reactive to Proactive**
Allows effective deployment of existing resources and skill sets to support the entire fleet, instead of only a few plants
- **Ability to Meet Grid Requirements**
Thereby avoiding fines and reliably serving the region

TRUSTED PARTNER

Experitec has served the industry for over 100 years, partnering with our customers to gain competitive advantages and unlock the hidden potential in their facilities. By optimizing operator and control performance, improving asset reliability, creating safer places to work, and helping clients reach their environmental and sustainability goals, Experitec is dedicated to achieving positive outcomes for the businesses we serve. Our unique long-term partnerships with Emerson and others enable us to connect customers with innovative technologies, subject matter expertise, and 24/7 lifecycle support and engineering services. As employee owners, the Experitec team is eager to partner with you on your next automation or reliability project in a positive, driven, and collaborative way. We have local offices in St. Louis, MO; Kansas City, MO; Memphis, TN; Calvert City, KY; and Decatur, IL; as well as warehouse and service locations in the surrounding areas.



Emerson Impact Partner

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