



VERITEQ

Superior Temperature & Humidity Monitoring

Client: AMEC

Category: Pharmaceutical Warehouse Validation

## AMEC Delivers Big Savings to Clients in Pharmaceutical Warehouse Mapping

AMEC is an international project management and services company employing over 44,000 people in more than 40 countries. The company's biopharmaceutical group provides design, construction, support and validation services to pharma companies worldwide. By using Veriteq's precision data loggers instead of thermocouple systems to validate temperature and humidity in pharmaceutical warehouses, AMEC delivers big savings in time, productivity and money.

### The Challenge

Within the pharmaceutical industry, temperature and humidity mapping has long been vital to the safe production of drug products. In recent years, however, the requirement for validation has extended to include storage facilities.

"The FDA has clearly indicated that pharmaceutical companies are responsible for appropriate storage until drug products reach the final consumer," says Ed Crowder, Senior Validation Specialist in AMEC's Industrial and Infrastructure Division, "because of this, many companies now routinely map temperature and humidity in warehouses and storage facilities."

Although thermocouple systems are often used for thermal validation of pharmaceutical warehouses, they are quite inefficient systems to use and maintain. Thermocouple systems are costly and time-consuming to install. They rely on wires that must be strung throughout the warehouse, disrupting operations. They demand experienced operators and painstaking effort to ensure accuracy. And since thermocouple wires are easily damaged during set up, they must be calibrated before and after use to protect against temperature errors and random failures.

### The Veriteq Solution

To help clients overcome many of the challenges presented by thermocouple systems, AMEC used Veriteq precision data loggers to validate temperature and humidity in pharmaceutical warehouses.

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SUCCESS STORY

"We first began working with Veriteq data loggers about five years ago, when one of our clients purchased a system," says Crowder. "At first, we used them to map refrigerators and incubators. We thoroughly enjoyed using them and it occurred to us how much time and money they could save in mapping large warehouses." Today, AMEC uses data loggers to map temperature and humidity in warehouses from 15,000 to 250,000 square feet.

"What we like best about Veriteq's data loggers is how quick and easy they are to install and use," Crowder says. While setting up a thermocouple system in a large warehouse can take up to three weeks, he says, installing a data logger system in the same space can be accomplished in just hours.

"By using a Veriteq data logger system instead of thermocouples," says Crowder, "our customers can save somewhere around 60% - thousands of dollars – on the cost of thermal and humidity validation." And since much of the cost of thermocouple systems is in the wires themselves, the larger the facility, the greater the resulting savings.

Crowder says occasionally clients who haven't used data loggers before express reservations about using them for data recording. "But when they learn that they won't have to shut down their warehouses to install data loggers, and they see how much money they can save, they're convinced. Once they use them, they wouldn't think of using anything else. There's just no comparison between data loggers and other systems."

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For more information about AMEC, visit [www.amec.com](http://www.amec.com).

To learn more about Veriteq precision data loggers, see [www.veriteq.com](http://www.veriteq.com) or call (800)683-8374.

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