

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

**Vancouver, BC, CANADA**

Within the pharmaceutical industry, mapping temperature and humidity in controlled environments is vital to the production of drugs and biotechnical products. In recent years the requirement for validation has extended to include storage facilities. Expanded validation requirements can mean increased costs for storage and processing for critical products. “The FDA has clearly indicated that pharmaceutical companies are responsible for appropriate storage until drug products reach the final consumer,” says Ed Crowder of EC Squared Validation. In his work within AMEC’s Industrial and Infrastructure Division, Crowder oversaw environmental validation warehouses and storage facilities.

By using Veriteq’s vLog™ validation system instead of a thermocouple-based system to validate temperature and humidity in pharmaceutical warehouses, AMEC offers significant savings to its clients. Although thermocouples are often used to map warehouses that must comply with cGMP regulations and guidelines, they are difficult to use, especially over a large area. Thermocouples must be placed throughout the warehouse using a process that is both time-consuming and disruptive. Painstaking efforts— like pre- and post-calibrations — must be taken to ensure accuracy. However, these efforts are often wasted because thermocouple wires are easily damaged; even careful handling causes measurement errors and degrades accuracy with each validation study.

To overcome many of the challenges presented by thermocouple systems, Ed Crowder used Veriteq’s validation system to map temperature and humidity in several AMEC pharmaceutical warehouses. Crowder says, “We first began working with Veriteq data loggers about five years ago, when one of our clients purchased a system. At first, we used them map refrigerators and incubators. We soon saw how much time and money could be saved by mapping large warehouses with the Veriteq loggers.” Crowder notes that while setting up a thermocouple system in a large GxP warehouse can take up to three weeks, installing a data logger system to map a comparable space can be accomplished in hours.

“Our customers save around 60% in costs — literally thousands of dollars — for thermal and humidity validation.” Crowder says occasionally clients express reservations about switching from thermocouples to data loggers for mapping, “But when they learn that they won’t have to shut down their warehouses and see how much money they can save, they’re convinced. Once you use them, you wouldn’t think of using anything else. There’s just no comparison between data loggers and other systems.” Today, AMEC uses Veriteq VL-series data loggers to map warehouses of 250,000 square feet or more. Veriteq’s VL loggers feature high-stability internal sensors that eliminate the need for time-consuming pre- and post-calibrations, a 10-year battery life and on-board memory to ensure reliable, non-stop recording, and all data files are encrypted for 21 CFR Part 11 compliant reporting. To learn more about Veriteq’s Pharmaceutical Warehouse Validation/Mapping solution, visit [www.veriteq.com](http://www.veriteq.com).

### About Veriteq Instruments

Since 1994, Veriteq has been designing better methods of monitoring and validating critical environments. Through the high quality of its hardware and software, superlative manufacturing and stellar customer support, the company’s product lines have consistently performed to meet the demanding needs of pharmaceutical, environmental and industrial process companies. View a partial list of our client companies at [www.veriteq.com/about/veriteq-customers.htm](http://www.veriteq.com/about/veriteq-customers.htm).

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