# HAMPSHIRE CONTROLS CORP.

**FLEXCON INDUSTRIES**
*A Swan Group Company*

# Flexcon Industries relies on Hampshire Controls' Multi-Sensor Alarm and Alert Monitoring and Data System to Improve Manufacturing Processes
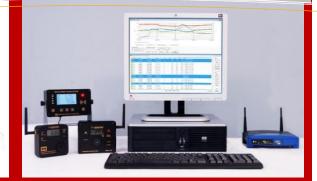
*"No other company we reached out to was able to offer a customizable solution for us. Hampshire Controls' products were easily capable of integrating into our existing platform, and we are now able to export this gathered data into a format that works best for us."*

*-Kevin Smith*
*Network Administrator and Systems Analyst*
*Emerson Swan, a Swan Group Company*

**Made in USA**

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Flexcon Industries, a Swan Group Company, is globally known as one of the leading manufacturers of pre-pressurized diaphragm water tanks. Over time, Flexcon realized they needed to implement a device that could easily track and record data in order to repeat processes and identify what was and was not working efficiently.

When Network Administrator and Systems Analyst, Kevin Smith, was tasked with finding a solution, he collaborated with the Materials and Process Engineer, Tom Wideman, to research companies both foreign and local. With quality, functionality and dependability in mind, they ended up choosing Hampshire Controls. When asked what lead to the final decision after evaluating Hampshire Controls and competitors, Kevin responded, "No other company we reached out to was able to offer a customizable solution for us. Hampshire Controls' products were easily capable of integrating into our existing platform, and we are now able to export this gathered data into a format that works best for us."

Currently at Flexcon's facility in Randolph, Massachusetts, they utilize Hampshire Controls' MPS: Multi-Sensor Monitor and Alarm Systems, and TT-150 Temperature/Humidity Wi-Fi Transmitters.

The devices measure and display data from two critical processes along their composite thermal expansion tank manufacturing line. Melt and coolant temperatures are measured in an extruder that constructs the shells of the composite tanks. Additionally, extruder head pressure, RPM of the feed screw, and the linear rate of travel of various-sized plastic tube extrusions are monitored. The TT-150 monitors ambient conditions where the temperature and humidty sensitive epoxy is mixed and applied to the tank exterior. Further down the production line, the temperature zones of a serpentine oven used to cure the epoxy coating on the tanks is recorded. The data is automatically transmitted to the Alert Monitoring and Alarm Notification System in Flexcon's factory.

With the high demand that Flexcon faces, they put their trust in the work and dedicated team of Hampshire Controls. Nearly 2 years following the installation, the data that has been collected have made Flexcon's manufacturing processes more simple to repeat, and it has helped staff identify and take corrective action when needed during the production of the water tanks.

If you have a requirement for your monitoring process, call Hampshire Controls at 603-749-9424!