SwiftSensors

Sysco Enhances Food Distribution Process
2019.09.01

About Sysco

Sysco is an American multinational corporation involved in selling, marketing and distributing food products to restaurants, healthcare and educational facilities, hotels and inns, and other food service and hospitality businesses. Their robust international network supports customers in 90 different countries around the world.

Sensor 101: Wireless Temperarute, Humidity and Dewpoint Sensor communicates data via wifi

Sysco's Mission

Sysco was looking to gain insight into the performance characteristics of it's highly diverse and fast moving fleet of cold-chain mobile carriers. Increasing demand with increasing food-safety oversight required out-of-the-box thinking in order to solve the problem derived from their success. With breakthroughs in semiconductors making sensors smaller and cheaper, Sysco knew they wanted a scalable solution that could operate in a variety of conditions.

The Challenge

With the advent of the Food Safety Modernization Act, Sysco was looking to enhance the logging of their cold-chain food distribution, handling and temperature compliance. Sysco wanted to modernize and scale their documentation of food transport cooling, ensuring that strict corporate standards were properly maintained throughout the distribution process. This process, executed manually, was not scalable. Finding a monitoring solution that would survive the harsh environment of a mobile distribution system, while being flexible enough to change and grow with Sysco's continued success. The system needed to be flexible, but also resilient as changes in the distribution (with continually expanding distribution routes) could cause intermittent communications challenges. Finally, an alarm capability was needed to predict and forecast equipment failure before outages actually occurred.

> *"Swift Sensors cloud wireless sensors enabled us to successfully monitor critical temperature and location information in our trucks."*
>
> *~ Will Compton*
> *Sysco*

The Solution

A complete end-to-end solution, utilizing Swift Sensors Cloud wireless Sensors was the answer. The Sysco cold-chain trailers were equipped with the Swift Sensor Bridge SS-BRG-1030 Cellular/GPS and an assortment of Swift Sensors Wireless Sensors. Creative use of sensors, such as the SS-SEN-102 Temperature Sensor provided a digital picture of the distribution work flow state and activity. Wireless sensors allowed for quick install as well as providing the flexibility of tuning the sensor placement as conditions evolved.

Swift Sensors for cold-chain distribution provides more than just measurements and notifications when thresholds are breached. Swift Sensors also provide the operator with complex analytics such as machine utilization, compliance and multi-measurement graphing. Swift Sensors analytical dashboard and metrics allow you to compare measurement vs. measurement output, overall compliance across complete facilities for given machines and shifts, employee performance, relationship analysis of multiple measurement types.

The Swift Sensors wireless network provides a site-specific customizable solution that is customer-tunable while being intuitive for on-the-fly changes.

The Results

The Sysco solution has now been operational for some time. Initial deployment success is resulting in further adoption across the Sysco Fleet. As a result of this successful deployment, Sysco can now determine the actual compliance of the sample measurements on a shift by shift basis. Further, with Swift Sensors Analytics, Sysco can compare and contrast compliance and shifts by day, week or month

About Swift Sensors

Founded in 2015, Swift Sensors Cloud WirelessbSensor System offers businesses a low-cost, unified solution to proactively protect and monitor equipment and processes, comply with regulations, and enhance business performance. The system can be fully deployed in minutes at one-tenth the cost of traditional solutions. The Swift Sensors cloud-based system incorporates sophisticated analytics to deliver business intelligence and a rapid return on investment.

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