How Aliments ASTA Meets Canadian Health Regulations and Monitors Compliance in Real Time

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About Aliments Asta
Aliments ASTA meat products are world-renowned for their high quality. Their advanced production techniques, cutting-edge equipment and innovative traceability process guarantee high added-value products. What sets them apart? The clean and even cuts of meat, the diversity of by-products, and their food safety conformity and long storage life. Fresh or frozen, their products arrive when their customers need them and are available in a variety of quantities and sizes to suit their customers needs.

Aliments Asta’s Mission
Aliments ASTA was looking to gain insight into the performance characteristics of it’s highly complex protein processing work flow. 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, Aliments ASTA knew they wanted a scalable solution with high visibility into their operation.

“Swift Sensors was one of the few companies that was able to help us with our unique case. Their cloud wireless sensors enabled us to be compliant with our protein processing work flow”

~ Kevin Collin
Aliments ASTA

The Challenge
The Health Department of Canada has recently required protein processors to fully document carcass handling and temperature compliance. The Health Department of Canada wanted to see documentation that carcass cooling was properly maintained prior to carving. This process, executed manually, was not scalable.

Finding a monitoring solution that would survive the harsh environment of a processing facility, while being flexible enough to change and grow with Aliments ASTA continued success while being cloud-based and easy to maintain was challenging. The system needed to be flexible, but also resilient as changes on the processing floor could cause intermittent communications challenges. Finally, an alarm capability was needed to predict and forecast equipment failure before outages actually occurred.
The Solution
A complete end-to-end solution, utilizing Swift Sensors Cloud Wireless Sensors was the answer. The processing floor was equipped with the Swift Sensor Bridge SS-BRG 1010 WiFi and an assortment of Swift Sensors Wireless Sensors. Creative use of sensors, such as the SS-SEN-102 Temperature Sensor and the SS-SEN-106 Temperature Sensor with Food Grade Probe, provided a digital picture of the protein work flow state and activity. Wireless Sensors allowed for quick install as well as the flexibility of tuning the sensor placement as conditions evolved.

Swift Sensors for Protein Processing 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 Aliments ASTA solution has now been operational for some time. Initial deployment success resulted in a further adoption in other Aliments ASTA factory facilities work flows. As a result of this successful deployment, Aliments ASTA can now determine the actual compliance of the sample measurements on a shift by shift basis.

Further, with Swift Sensors Analytics, Aliments ASTA can compare and contrast compliance and shifts by day, week or month.

About Swift Sensors
Founded in 2015, Swift Sensors Cloud Wireless Sensor 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.