

Securing the Nutrition Supply Chain



Glanbia plc is the world's leading global performance nutrition and ingredients group with operations in 32 countries. Glanbia needed to protect and guarantee the reliability of data feeds from farm supply points to in-plant manufacturing execution systems and delivery vehicles operated by field force personnel. They also required secure bi-directional connectivity for in-life asset management and maintenance.

Challenges

Central to Glanbia's food traceability program is the ability to guarantee a secure and reliable data feed throughout all stages of the supply chain from the sourcing of the raw nutritional materials, through to production and distribution and on to the eventual point of purchase. Integral to this strategy was the integration of state-of-the-art new metering technology into the dairy production supply chain. The meters selected use a range of sensors to track both the quantity of milk and its characteristics, such as the percentage of cream, protein, and lactose.

Solution Deployed

Akamai provides secure bi-directional connectivity from Glanbia's Manufacturing Execution Systems (MES) to field force vehicles to ensure compliance with food supply chain audits.

The on-demand Akamai SPS Secure IoT service ensures a real-time, secure connectivity experience from data sources (remote devices, trucks, driver handhelds, refrigeration units, and MES) to product applications and reporting dashboards.

The intelligent oversight of all moving parts, enabled by Akamai, ensures that Glanbia's IT and OT teams have full visibility and control of their food production processes.



Akamai provided automated data gathering from our fleet of trucks in real time, giving us information faster, which in turn, is fed immediately to our processing facilities, giving us time to adjust to varying supply patterns.

—Fergal O'Shea, IT Manager, Glanbia



Glanbia plc
www.glanbia.com

INDUSTRY
Manufacturing

- BENEFITS**
- **Process Optimization:** Automation of payments to dairy farmers and increased efficiencies of milk deliveries to dairy processing plants
 - **Easy to Manage:** As a cloud service, there is no installation cost and the intuitive UI makes it easy to onboard new drivers
 - **Compliance:** Secure bi-directional connectivity to ensure compliance with food chain audits

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Results

Glanbia is leveraging Akamai SPS Secure IoT as it enables:

Distributed Connectivity

Reduce total cost of ownership; seamless connectivity between factory and field force

Data Protection Compliance

Greater control and visibility of what each connected device is doing on the network

Security from Cyberthreat

Flexibility with ease of routing data to unique destinations with no impact or change to the device edge

Akamai makes secure connectivity simple for any size of mobility or IoT deployment in a hyperconnected world.



Akamai's secure connectivity allowed us to integrate a number of BI systems, which enabled us to collect and manage a wider data set, thus helping to drive optimization across our entire supply chain.

Fergal O'Shea

IT Manager, Glanbia



Glanbia plc is a global nutrition group, employing over 6,000 people across 32 countries and revenues of €3.7bn (2016). Glanbia takes pure and clean ingredients including milk, whey and grains, and using expert knowledge and capabilities produces high-quality nutritional ingredients and branded consumer products for its customers and consumers worldwide. It has leading market positions in sports nutrition, cheese, dairy ingredients, speciality non-dairy ingredients, and vitamin and mineral premixes. They have major production facilities located in Ireland, the US, the UK, Germany, and China. www.glanbia.com