Smart Food Tracker

Data-driven decision making for guaranteed quality & increased profitability

Koning & Hartman

Enabling data-driven decision making in Food & Beverage through asset tracking of perishable goods

Koning & Hartman

Challenges

Lack of visibility in the behavior of valuable assets leads to discussions about quality

Throughout the supply chain, uncertainty on quality and preservability of ingredients for food production leads to write-offs of entire shipments and thus is a major cost driver

- Pilot customer had to write off ~100 containers per year (market value 2M EUR) due to quality issues
- Indirect liability (supply chain delays) and damage (customer dissatisfaction) amount to even higher values

Ideal Solution

State of assets incorporated in supply chain

Real-time insight in the state and behavior of assets (goods & containers)

Measurement, reporting & visualization of physical parameters (temperature, pressure, location, content, impact & manipulation)

- Quality Assurance is essential in F&B as doubtful product quality can lead to health issues and liabilities
- Competitive landscape requires faster time to market and limits margin for error

Desired Outcomes

Quality assurance & increased profitability

Scalable as-a-Service solution providing intuitive dashboards with direct and tangible ROI

High traction in dairy, frozen goods, meat & poultry, processed foods & catering

- Write-offs reduced to zero since solution has been implemented at pilot customer
- Sustainable & positive impact on environment with significantly lower carbon footprint

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Realize measurable gains in quality and efficiency through data-driven decision making

Real-time insights

- Easy & continuous access to data
- Derive insights on-the-fly
- Act immediately on dashboard information & custom alarm notifications
- Deep analytics on historical data sets for increased efficiency

Secure & reliable

- Verifiable data collection, transmission and processing for mission-critical processes
- Azure trusted cloud platform for maximum uptime & reliability
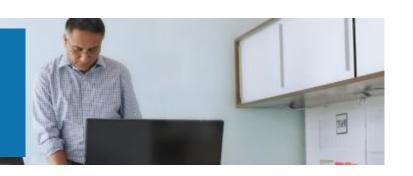- 24/7/365 support & services

Scalable, open architecture

- Agile and comprehensive infrastructure
- Out of the box solution with standard hardware for universal connectivity
- Various communications protocols supported
- Low engineering threshold: no in-house specialists needed

"In less than 6 weeks, we were provided with a ready-for-production solution that enabled us to reduce quality write-offs to zero - versus a 2 million EUR net loss the previous year."

- Gert Motmans, Business Procurement Manager, Friesland-Campina

Smart Food Tracker

on Microsoft Azure, for 24/7/365 control over quality of valuable assets

Smart Food Tracking enables true data-driven decision making and 24/7/365 visibility of valuable assets. Azure guarantees a smooth deployment, interoperability and secure operation.

Versatile and scalable

Smart Food Tracking can be enabled for large and small deployments across the industry. Thanks to the Azure platform, the effort is minimal and customers can be up and running in days.

Secure and reliable

Azure guarantees a 100% secure, reliable and compliant deployment in every size and type of organization, with immediate access to real-time data visualisations.

Open and interoperable

The architecture of the Smart Food Tracking solution is designed to work with most IoT sensor/gateway technology and connects seamlessly to dashboarding/visualization solutions running on Azure.