

ShowCase

See Your Box logistic service monitors fresh, preserved and frozen food globally

Products

SYB real-time monitoring for the food industry.

High quality Italian ingredients require real-time monitoring to ensure they are well preserved when shipped globally.

Results

Customer could monitor truck and cargo shipments from four different production sites (in Italy, China, Japan and New Zealand).

The devices perform real-time monitoring during storage and road transportation and are working as data loggers during cargo/boat shipping. Data are downloaded in proximity of any land or transit harbors.

Project Details

The project involved directly SYB's customer, one of the top Italian producers of milk and dairy, who was able to coordinate with its global clients and avoid food improperly handled to reach the shelves.

Introduction

Introduction Nowadays the quality assurance of food requires systems to monitor the whole supply chain from factory to retailer (often referred as "from farm to fork"). Information without having real-time access to critical data does not help to control and reduce companies' liabilities.

See Your Box (SYB) service pro-actively prevents and manages logistic risks by providing real-time information and instantaneous alerts in case of mishandling of goods. The use of Industrial Internet of Things (IIoT) technology allows to monitor several different environmental parameters related to the way goods are stored and/or transported.

Shipping and or stocking food in "controlled" environment and for extended time represents a risk; SYB devices, allocated to the specific product, allow the goods to be monitored and help to prevent rejection by inbound logistic checks or, even worse, contamination.

Challenges

The customer is a global market leader that transports high quality Italian food around the world. To guarantee the best quality to its customers, the company needs an innovative solution to monitor the conditions of all its products, across the full supply chain, from the factory to the retailer for up to 60 days.

Existing solutions (GPS, NFC, RFID) cannot be applied due to the different IT systems used across the different logistic companies. For this reason, a lack of real-time alerts, needs of external power-supply and substantial investments in infrastructure, represent a fundamental issue for the customer.

Solution

SYB service allows the customer to have full visibility and control over the product during the storage or transport phase.



The monitoring service will self-adapt to different temperature ranges (room temperature, cool or frozen) and positions (with or without GSM coverage).

SYB provides a cloud-based secured service that allows the real-time traceability and monitoring of the goods to pre-selected team members, giving them different rights. SMS and email are used to send specific alerts regarding critical situations.

SYB is a quick and effective solution that can be installed in just few minutes by allocating the long lasting self-powered small devices (as small as a pack of cigarettes) on the goods or on the pallet. They will then connect to the network and will automatically adapt their settings in order to transmit the selected information. No human intervention needed. Simple, secure and smart.

References