Bringing Trust And Providing End-To-End Traceability & Transparency Across The Supply Chain

EcoStruxure™ Traceability Advisor

Unique Features
EcoStruxure Traceability Advisor is a digital solution that enables food processors to collect, manage and visualize data on food and beverage products throughout the value chain, from raw material production and extraction to the end product.

EcoStruxure Traceability Advisor allows data collection on manufacturing traceability, to track and trace the finished good moving along the Supply Chain (shipments, locations, suppliers) and provide a transparent visibility of the product information, such as ingredients, suppliers, allergens, nutrients, physical characteristics, product images.

Benefits
- Collection of information about ingredients and farmers, associated certification data and documents
- Identify affected products (defects) resulting in a product withdrawal (recall) with clear localization in the supply chain
- Improved tracking and tracing capabilities
- Secure and encrypted item identification to avoid counterfeiting
- Unique source of truth to get information about a product
- Scalable solution to multiple sites and facilities, improving the End-to-End supply chain
- Enhanced brand image and customer confidence
Industry challenges require comprehensive solutions

The Food & Beverage industry faces many challenges including climate change impact, resource scarcity and supply chain disruptions. While end customers are expecting food manufacturers to be more accountable and transparent in sustainability, food safety and the origin of raw materials.

To meet these growing challenges, Schneider Electric has developed a robust, modular, scalable, open and comprehensive traceability solution, with EcoStruxure Traceability Advisor being a key component.

End-to-end traceability > From “farm to fork”

Providing end-to-end traceability and transparency solutions across the supply chain.

EcoStruxure Traceability Advisor is the enabler to create a “Digital Avatar” of each item produced, providing its own story from the origin to the end-consumer.

Data is collected along the value chain, collecting information from the different stakeholders (suppliers, manufacturers, warehouses, retailers) in a centralized cloud-based repository.

1 Upstream Traceability & Transparency

EcoStruxure Traceability Advisor delivers raw material certificates compliance and origin tracking, also certify data from raw material & ingredients and collect automatically data from IoT sensors (information at farm).

2 Plant Traceability

Connection with Manufacturing Traceability, fetching shareable production data from Manufacturing Execution Systems, Batch Management solutions, SCADA, Clean-In-Place, etc.

Each finished product is properly serialized and aggregated with a unique, secure and encrypted product identification number.

3 Downstream Traceability

Track & Trace system to monitor and secure the downstream supply chain, being able to identify incriminated products (defects) resulting in a product withdrawal (recall) with a clear localization.

4 Downstream Transparency

Product Data are centralized in a unique repository for Product Information Management. Manufacturers will be able to push consistent and accurate product data to the different touch points across the downstream supply chain, following GS1 standards.

Siloed Data are collected, verified and correlated in a unique secured near-real time cloud infrastructure, providing the right interoperability between the different systems.