



# Resilient Supply Chain

EcoStruxure™ enables trust in the Food & Beverage,  
Household and Personal Care industries

Life Is On

**Schneider**  
Electric

# We help on every step of the value chain

## Efficient facilities

Safer, more available,  
and greener resources

## Agile manufacturing

Boost manufacturing  
flexibility & efficiency

## Resilient supply chain

Manage complexity and  
improve visibility

# ... enabled by transversal digital transformation capabilities

## Food Safety & Traceability

Ensure compliance and increase trust across the whole value chain

## Energy & Sustainability

Reduce environmental footprint and meet sustainability goals

## Asset Performance

Maximize return on asset investment

## Workforce Empowerment

Take teams efficiency to the next level

## Digital Engineering

Cut time, cost and risks of capital project engineering

# Manage complexity and improve visibility across your Supply Chain



## Agriculture efficiency & sustainability

Help farmers and agri-business improve productivity, better manage the use of resources and achieve regulation compliance and traceability.

### Greater yield

leveraging digital solutions



## Warehouse management

Ensure process, control and optimization of warehouse operations to improve efficiency and address ecommerce imperatives.

Increased

**productivity** while ensuring safety



## Supply chain optimization

Increase your visibility, improve agility and performance to build a resilient supply chain, end-to-end.

Build a **resilient** Supply Chain



## Product Information Management

Ensure the right information related to the product is available for a seamless omnichannel retail experience

Up to **17%** increase in data accuracy



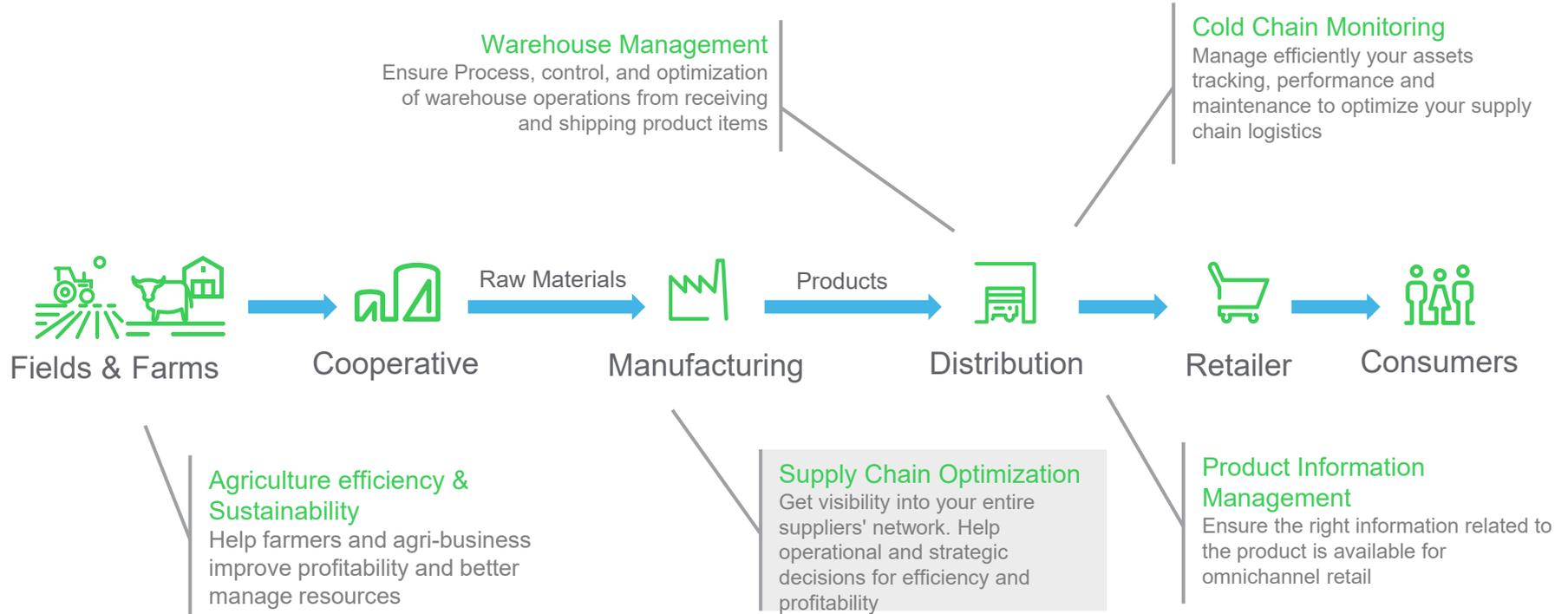
## Cold chain monitoring

Manage efficiently your assets tracking, performance and maintenance to optimize your supply chain logistics

Ensure efficient & **secure operations**

# Resilient Supply Chain

Manage complexity and improve visibility across your supply chain



# Supply Chain Optimization

Increase your visibility, improve agility and performance to support operational and strategic decisions for efficiency and profitability



Source: [Schneider Electric blog, 2020](#)

\*EDI: Electronic Data Interchange

- Supply chains are in the spotlight.
- **Efficiency** is a constant driver but today, **resilience** is at the top of everyone's agenda to adapt to the current situation.
- Four key trends to consider: **digitization**, **sustainability**, **customization**, and **regionalization**.
- Get increased visibility into the suppliers' and raw material network, to manage compliance and identify **suppliers at risk** are key to **build a resilient** and **credible Supply Chain**
- Earlier **Planning, Scheduling and Optimization** to adapt to ever changing strategies on Stock Keeping Units (SKUs), accurate visibility on **inventory management** as well as **integration of EDI\*** for smooth transactions between buyers and suppliers, these are some key digital solutions enabling businesses to **improve their agility** and **performance**.

# Suppliers Information Management

Get visibility into your entire suppliers' and raw material network, manage compliance and identify **your suppliers at risk**



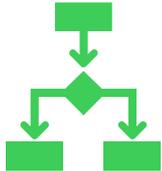
- Food Supply Chain are **more and more complex** and **interconnected**
- Significant bottlenecks into Supply Chain management exposed during the COVID 19 pandemic
- Imperative to get more visibility on the whole Supply Chain and build a more **resilient, credible and sustainable Value Chain.**
- Supply Chain & Risk Management has been the **#1 concern** of Food companies during the COVID pandemic

# Suppliers Information Management

Get visibility into your entire suppliers' and raw material network, manage compliance and identify **your suppliers at risk**

## How to?

Digitize Supplier & Product Data, Source to Store



Centralize all Compliance, Sustainability, and CSR Data



Monitor your Supply Chain Compliance and Risks



Collecting Suppliers & Ingredients Data (Upstream Supply Chain)

# EcoStruxure™ Traceability Advisor – Origin Module

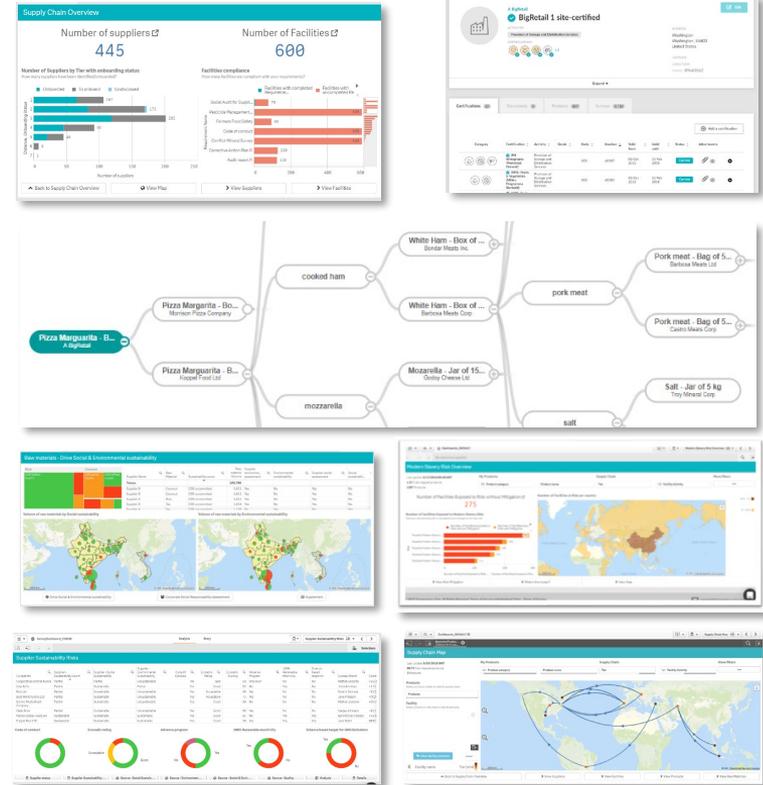
Cloud-based solution for Supply Chain transparency

## The solution

- Cloud-based platform enabling data collection from multi-tiers suppliers
- Suppliers Mapping & Risk identification as well as supplier Scorecard
- Traceability at supplier, purchase order or batch/lot level

## Business value

- Increase sales and assure consumer trust (e.g. sustainable sourcing)
- Mitigate supplier risks and potential for reputational damage
- Streamline compliance and sustainability operations

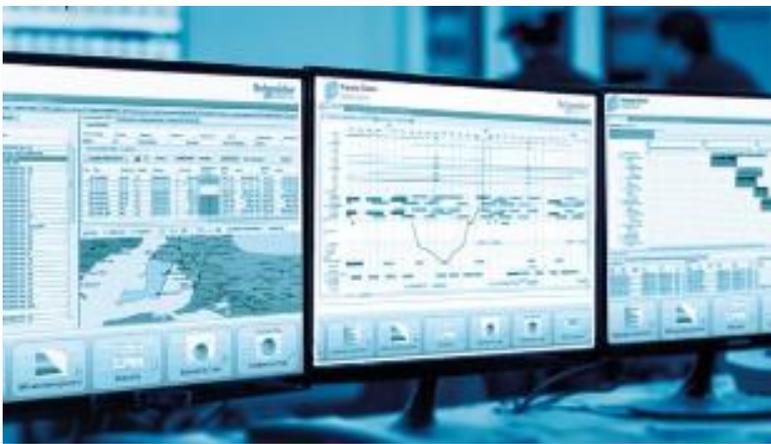


# AVEVA™ Supply Chain Optimization Solutions

Help operational and strategic decisions for supply chain efficiency and profitability

## The solution

The AVEVA solution is designed from the ground up as an **integrated solution**.



## How technology helps

**Software** solution that brings together in a single, **fully-integrated toolset**:

- Feedstock data management
- Planning & Scheduling
- Optimization activities

## Business value

- Reduction of operational risks
- Gap shrinkage between planned and actual results
- Increased end-to-end throughput
- Reduction of logistics costs

[Learn more](#)



# Large Wine Producer, Pacific

Achieving global gains for the whole value chain

## Customer Challenge

- Manual planning and scheduling activities
- No optimal scheduling of tank operations
- Limited forward-looking visibility or ability to make optimal decision for cost reduction, labour utilization or environmental impacts.

## The Solution

- AVEVA Supply Chain Planning & Scheduling

## Customer Benefits

- 5% less wine transfer during the first year
- Reduction of 4.25 Million Liters water
- Reduction of 33,750 kWh electricity usage
- Reduction in off-site third party storage by 1.5 Million Liters per month
- Reduced tank maintenance and labour hours

**The Results: Life is On with... Overall cost reduction of \$380,000 per year**

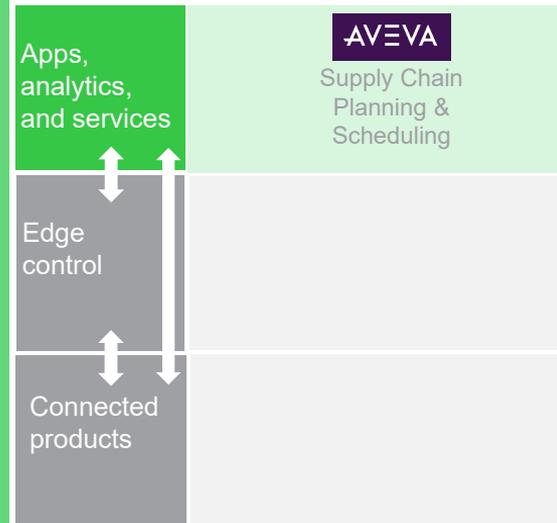
"We believe that the Advanced Planning & Scheduling (APS) system will increase productivity, utilisation, and service levels across the multiple stages of production and packaging at our bottling sites in Australia and New Zealand.

The deployment of Schneider's enterprise applications for vintage intake planning, tank farm optimisation, and production-line scheduling are part of our plan to optimise our end-to-end supply chain."

Managing Director,  
Winery

1000 tanks of varying capacity and capability to manage through a push/pull approach

Ecostruxure<sup>™</sup> for Food & Beverage  
Innovation At Every Level

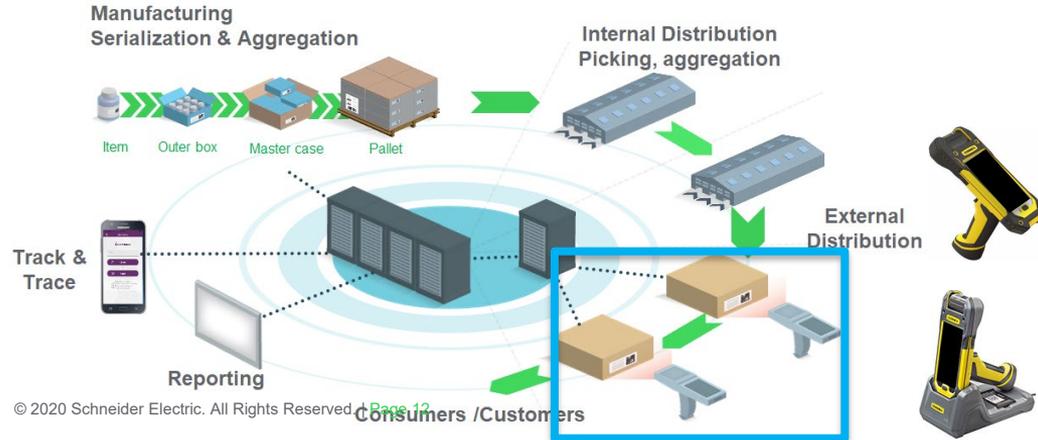


# EcoStruxure Traceability Advisor – Track & Trace

Track & trace all products and events and gain visibility on supply chain's bottlenecks

## The solution

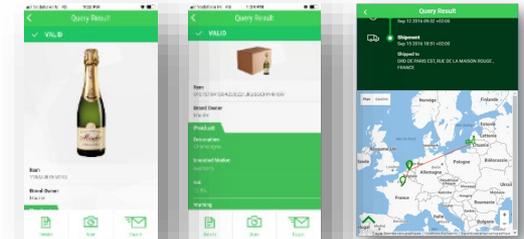
- The **Supply Chain events tracking** based on mobile, cloud-connected track and trace solution is used for **distribution tracking record**.
- It allows to collect product movements within the supply chain based on the **mobile scanner** using the **smartphone interface**. All products when received or shipped out are linked to orders, invoices and customers.
- **Flexible** solution compliant to specific country regulations and **GS1** global traceability standard



## Business value

- **Improved traceability** at a product level along the whole value chain
- **Increased agility and visibility** on goods, people, assets and events on your logistics journey
- **Accurate inventory management**
- **Reduced risk with fulfilment**
- **Efficient recall management**

Compliant with 



Learn more

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# Serialization to fight counterfeiting in tobacco, India

Indian Company



## Customer Challenges

- Company loses about ~15% of their volume due to counterfeiting and transport related issues
- Solution able to print unique serial number as per UAE regulations (Tax and Track & Trace) on each SKUs at production lines
- Stringent project timelines.
- Allow central regulation body to get complete track and trace information of each product exported in different packaging level
- Ensure volume control by external agency on production.

## The Solution

- Schneider Electric Serialization solution suite/ Code printing and aggregation and Track & Trace module
- Schneider Electric Line aggregation Hardware systems

## Customer Benefits

- Integrated Traceability solution for the downstream supply chain
- Centralized solution covering multiple sites
- Seamless Connectivity with customer's SAP and MES systems.
- Secure access to the UAE regulatory authority for event tracking and production volume control
- Easy hardware retrofit.
- Individual packet Track n Trace information availability

**The Results:** Life Is On with ... Compliant solution providing Integrated Traceability with enhanced Flexibility for the Distribution

Indian company with leading businesses in FMCG, Food & Beverage and Tobacco.

**EcoStruxure** for Food & Beverage  
Innovation At Every Level

Apps, analytics, and services



EcoStruxure Traceability Advisor  
– Track & Trace

Edge control



PLC Control

Connected products



Cognex Camera



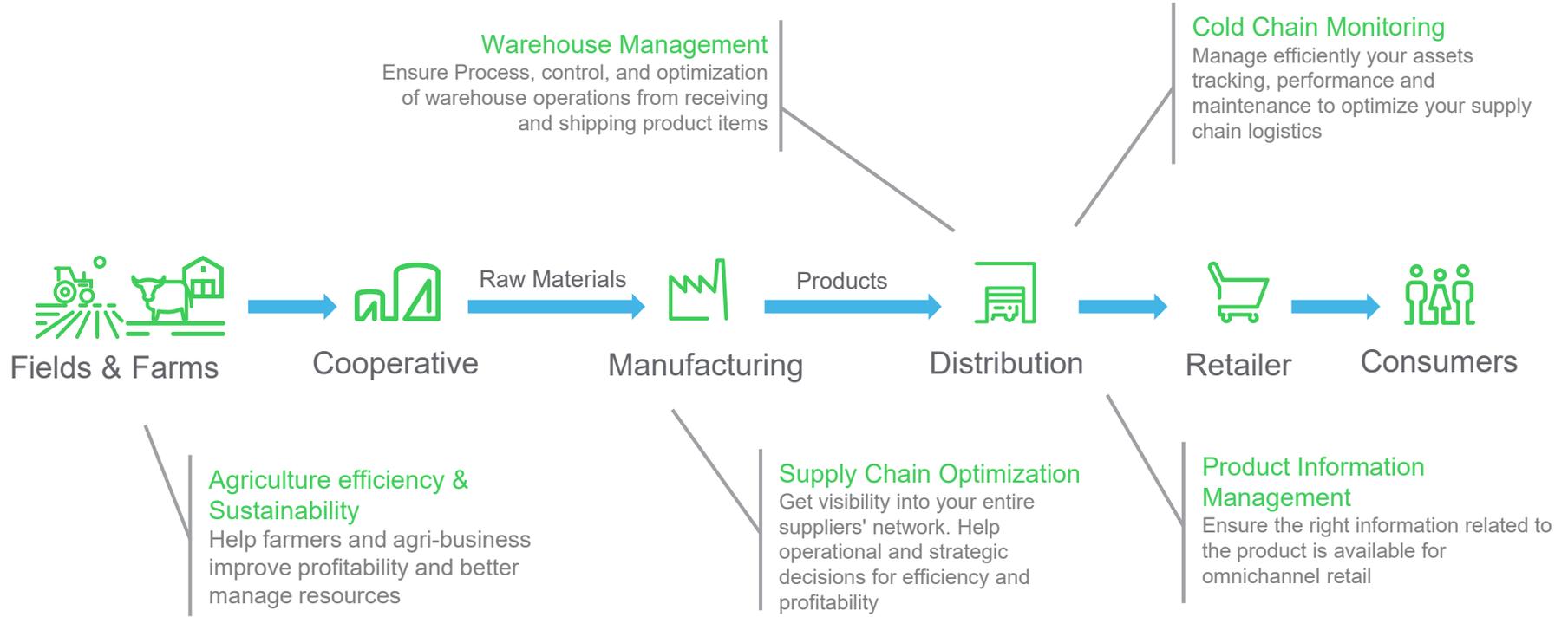
IPC

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# Resilient Supply Chain

Manage complexity and improve visibility across your supply chain



# EcoStruxure for Food & Beverage / CPG

**Agile manufacturing**  
Boost manufacturing flexibility and efficiency

- Manufacturing Operation Management
- Industrial Information Management
- Process Control System
- HMI and data Integration
- Process Automation
- Packaging Automation

**Efficient facilities**  
Safer, more available, and greener resources

- Smart Building Management
- Power Safety & Availability
- Power Quality & efficiency
- Renewable Energy & Microgrids
- IT Infrastructure Management

**Resilient supply chain**  
Manage complexity and reduce logistics costs

- Agriculture Efficiency & Sustainability
- Suppliers Management
- Supply Chain Optimization
- Cold Chain Monitoring
- Product Information Management

**Food Safety & Traceability**  
Ensure compliance and trust across the product life cycle

- Food Defense
- Cybersecurity Services
- Digital Calibration
- Raw material traceability
- Production traceability
- Product Identification & Tracking

**Energy & Sustainability**  
Reduce footprint and meet sustainability goals

- Sustainability Consulting
- Energy Demand Services
- Strategic Energy Sourcing
- Enterprise data management
- Energy as a Service

**Asset Performance**  
Maximize return on capital expenditure

- Assessment and Consulting
- Enterprise Asset Management
- Condition Monitoring
- Predictive Analytics
- Line & Process Optimization
- Modernization services

**Workforce Empowerment**  
Improve staff knowledge, productivity and collaboration

- Operator Training Simulator
- Augmented & Virtual Reality
- Workflow Management
- Staff Schedule Management
- Operator Knowledge Sharing

**Digital Engineering**  
Cut time, cost and risks of capital project engineering

- Electrical CAD
- Building Information Modelling
- Integrated Engineering-Design
- Digital Asset Visualization



Let's talk about  
EcoEtruxure™  
for Food & Beverage

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