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

Life Is On | Schneider Electric

… 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

Life Is On | Schneider Electric

The Food & Beverage Supply Chain Reality

How to build a more resilient Supply Chain?

Sustainability
Ensure an efficient & sustainable food production

End-to-End Supply Chain Management
to ensure business continuity

Sourcing
Increase visibility to build a credible supply chain

Go-to-market
E-Commerce booming

Digital Technologies, the most robust solution to the recovery and transformation of the food system in order to build a resilient Supply Chain
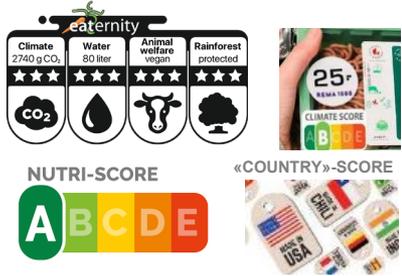
Schneider Electric at
#1 position
Gartner 2020 Global Supply Chain Top 15 in Europe

Learn more

Life Is On | Schneider Electric

Sources: SupplyChainDigital, 2020; Which50, 2020; Allianz Risk Barometer 2020

The Food & Beverage Ecosystem Reality

Complex and Stricter regulation & standards as drivers, accelerated by the COVID-19 pandemic

- Importance to build a robust, more sustainable and resilient food system that functions in all circumstances, capable of ensuring access to a sufficient supply of affordable food for citizens

- EU Green Deal – Farm to Fork Strategy (May 2020) for a healthier and more sustainable EU food system

- ISO 20400 - world's first international standard for sustainable procurement, which provides guidance to organizations on how to integrate sustainability within procurement.

- Evolving labeling rules (*e.g.* Nutriscore, Country-score, Climate score, Animal welfare,…..)

"
At the heart of the Green Deal the Biodiversity and Farm to Fork strategies point to a new and better balance of nature, food systems and biodiversity; to protect our people's health and well-being, and at the same time to increase the EU's competitiveness and resilience. "

Frans Timmermans, Executive Vice-President of the European Commission

Source: EITfood, 2020; From Farm to Fork Strategy, 2020; EU Green Deal/Farm to Fork, 2020

Life Is On | Schneider Electric

Sustainability actions across the Supply Chain

Energy efficiency

- Improved visibility and control of energy costs and usage

- Optimization of power consumption and costs

- Using renewable energy

Circular operations

- Circular capabilities of sites to reuse, refurbish, repair and extend life

- Site-level circular innovations like efficient processes, creating return loops for packaging, waste reutilization

Decarbonization

- Zero-carbon to reduce our CO_2 footprint, reducing emissions and de-risking operations

Source: ProFood World

Life Is On | Schneider Electric

The Food & Beverage Ecosystem Reality

How to build a CREDIBLE Supply Chain with a responsible SOURCING?

Sustainability
Ensure an efficient & sustainable food production

End-to-End Supply Chain Management to ensure business continuity

Sourcing
Increase visibility to build a credible supply chain

Go-to-market
E-Commerce booming

MEMBER OF
Dow Jones
Sustainability Indices
In collaboration with *a RobecoSAM brand*

Certified
B
Corporation®

SUSTAINABLE DEVELOPMENT G⊙ALS

WORLD ECONOMIC FORUM

"Supply chain improvements, like traceability, contribute to the advancement of the Sustainable Development Goals (SDGs)."

Source: "Innovation with a Purpose: Improving Traceability in Food Value Chains through Technology Innovations" 2019, World Economic Forum, in collaboration with McKinsey

- Sustainability is directly linked to End-to-End traceability. The EU Farm to Fork Strategy addresses the challenges of sustainable food systems and is aligned with the United Nations' Sustainable Development Goals (SDGs).

- Increasing number of Indexes and Standards: Dow Jones Sustainability Index, B-Corp certification for Sustainable Sourcing & ISO 20400 for Sustainable Procurement

- Investors are starting to link sustainability to Valuation: social responsibility, sustainability, product origin, ethical trading, animal welfare

- Sustainable operating practices to build a credible supply chain from source to store

Learn more

Sustainable Supply Chain Initiative
(Consumer Goods Forum)

Due diligence, Modern Slavery Act

Source: Gartner on sustainability in supply chain; Lumina intelligence report, 2020

Life Is On | Schneider Electric

The Food & Beverage Ecosystem Reality

The Transparency Imperative from End-consumers

Shoppers want to know exactly:

- What's in the products / nutrients
- How it was processed
- From where it was sourced / Local products
- Price comparison

The smartphone apps!
The new trusted advisors
for end-consumers?

65%
want to know how food is produced

35%
Pays attention to sustainability claims

45%
turning to more sustainable choices

Sources: Fortune, May 2016; University of Florida IFAS, October 2015; Sullivan Higdon & Sink, 2016; GFSI, 2015; CFI, 2016

Life Is On | Schneider Electric
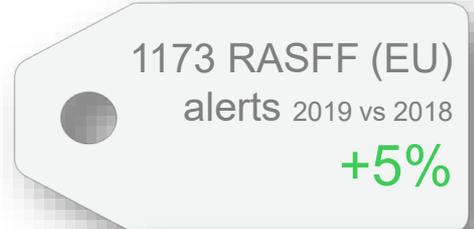
The Food & Beverage Ecosystem Reality

End-to-end Supply Chain Management

Sustainability
Ensure an efficient & sustainable food production

End-to-End Supply Chain Management to ensure business continuity

Sourcing
Increase visibility to build a credible supply chain

Go-to-market
E-Commerce booming

European Centre for Disease Prevention and Control
An agency of the European Union

Rapid outbreak assessment: Multi-country outbreak of Salmonella Poona infections linked to consumption of infant formula

Rapid response across EU stems foodborne illness outbreaks

Alert systems quickly tracked down sources of food poisoning

EU authorities say traceback from foodborne illness to contamination in food factories is happening faster, due to better alert systems and co-operation between member states.

FRI, 09 OCT, 2020 - 10:48
STEPHEN CADOGAN

On July 4, 2019, Ireland reported a cluster of cases of Salmonella Bredeney food poisoning, and issued an urgent inquiry in the EU's Epidemic Intelligence Information System for Food and Waterborne Diseases and Zoonoses platform.

EUROPOL

OPERATION OPSON

Operation OPSON is a Europol INTERPOL joint operation targeting fake and substandard food and beverages.

Manufacturers need End-to-End Supply Chain management to ensure business continuity and enable:

- Product tracking for recalls, involving several countries and stakeholders

- Co-manufacture for other brands.

- Supply chain disruptions agile response

- Ensure an adequate food/raw material supply, rather than confirming their suppliers are all delivering 100 percent genuine and authentic food.

- Prevent food fraud and counterfeit.

Sources: xxxxxxxx

1173 RASFF (EU) alerts 2019 vs 2018
+5%

Food Fraud
$50Bn/y

498 FDA recalls 2019 vs 2018
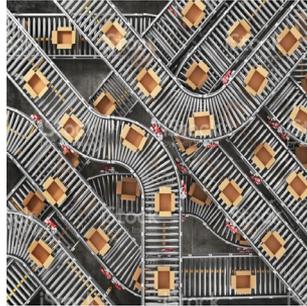## +29%

Life Is On

Schneider Electric

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

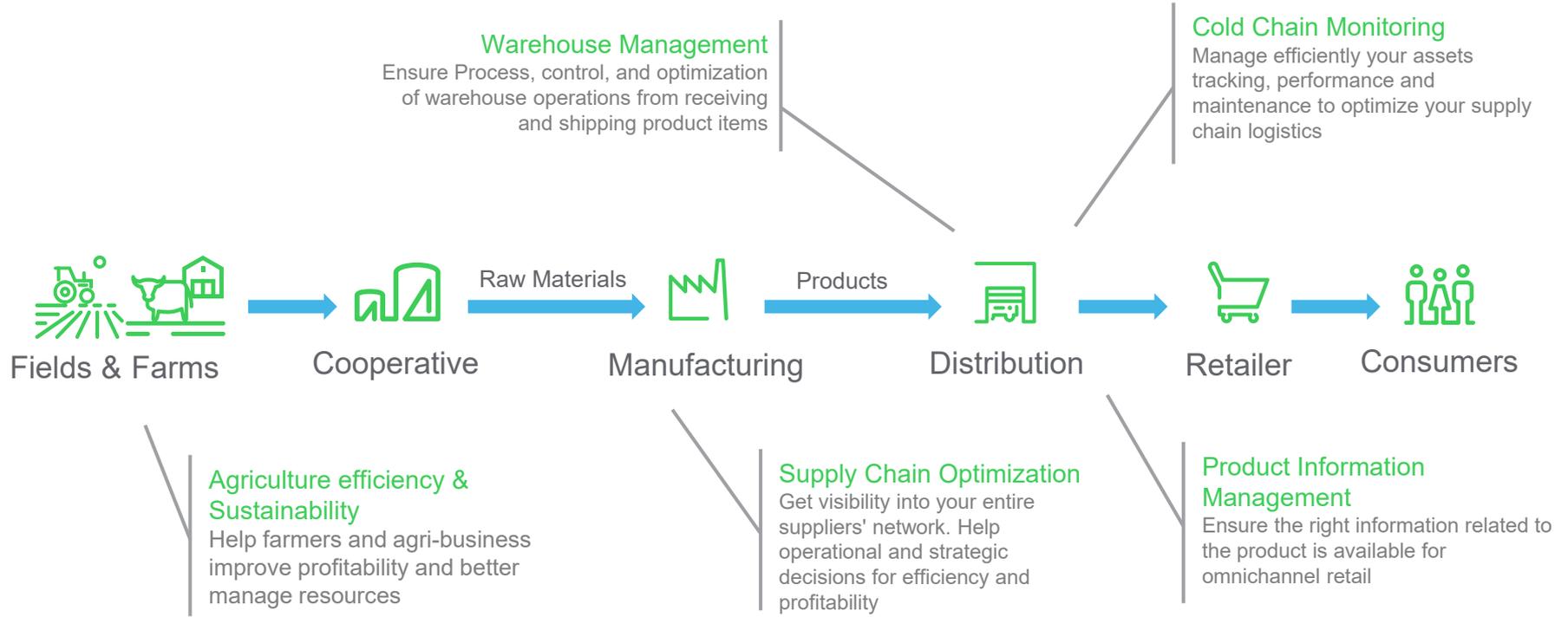Up to **17%** increase in data accuracy

Cold chain monitoring

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

Ensure efficient & **secure operations**

Life Is On | Schneider Electric

Resilient Supply Chain

Manage complexity and improve visibility across your supply chain

Warehouse Management
Ensure Process, control, and optimization of warehouse operations from receiving and shipping product items

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

Raw Materials

Products

Fields & Farms → Cooperative → Manufacturing → Distribution → Retailer → Consumers

Agriculture efficiency & Sustainability
Help farmers and agri-business improve profitability and better manage resources

Supply Chain Optimization
Get visibility into your entire suppliers' network. Help operational and strategic decisions for efficiency and profitability

Product Information Management
Ensure the right information related to the product is available for omnichannel retail

Life Is On | Schneider Electric

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

Life Is On | Schneider Electric

Let's talk about

Eco**S**truxure™

for Food & Beverage

Life Is On | Schneider Electric

Life Is On | Schneider Electric