

A photograph of two men in a warehouse setting. The man on the left is wearing a blue work shirt and a bright green hard hat. The man on the right is wearing a dark suit jacket, a light purple shirt, and a white hard hat. They are both looking down at a tablet held by the man in the suit, with the man in the work shirt pointing at the screen. In the background, there are tall metal shelving units filled with stacks of cardboard boxes on wooden pallets. The lighting is warm and industrial.

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



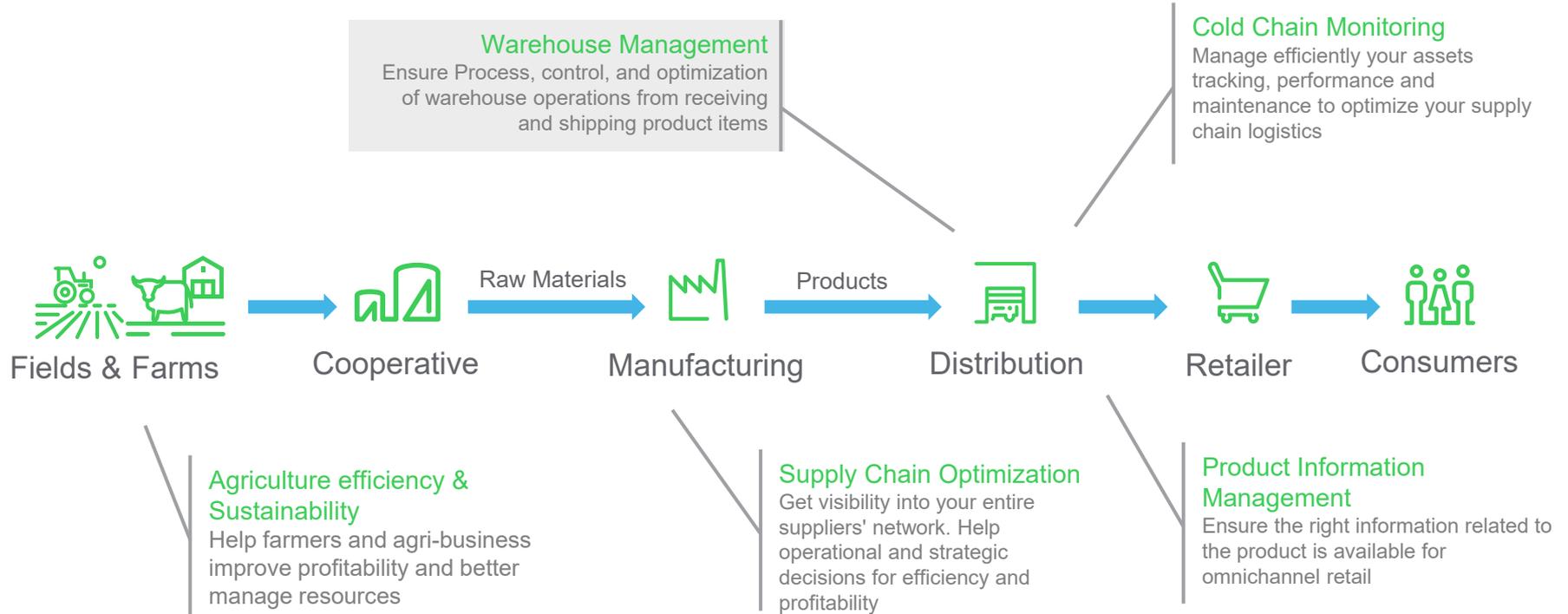
Cold chain monitoring

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



Warehouse Management

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

Poorly-managed warehouses can **impact business profitability**:

- Disjointed teams and employees
- Inaccessible inventory and equipment
- Counterintuitive and redundant processes
- Rigid and restrained lay-outs that undercut productivity
- Important Supply Chain bottlenecks and disruptions

Increased adoption of **warehouse automation technologies** to keep costs and operational complexity under control while improving efficiency to better answer to:

- **E-commerce and online grocery shopping**
- **Last-mile delivery** requirements



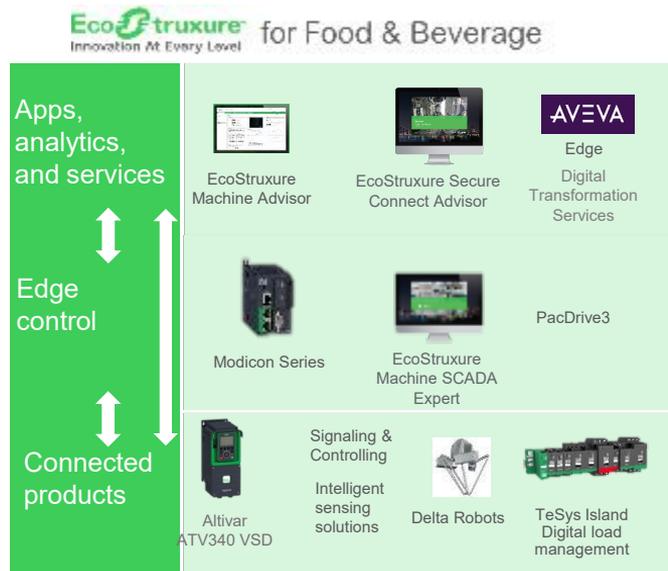
During COVID pandemic,
USA & France online
Grocery shopping
increased from 30 - 40% to

60%

Automation technologies & Software Solutions

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

The solution



Business value

- Simplified process and improved machine performance
- Increased process efficiency
- Optimized architecture to reduce space
- Energy savings
- Integrated safety
- High speed
- Robust equipment in harsh condition
- Application flexibility
- Connected and wireless solutions for mobile control
- Increased operational insight and higher reliability of operations

Watch the video

Sensing Solutions for material handling and logistics

Large Retailer, USA



Customer Challenges

- Increase product flow and ensure maximum operating time in automated storage, retrieval systems and conveyors

The Solution

- Sensing solutions from Telemecanique sensors
- Used in Zone Routing: the system routes cases or totes to the appropriate pick zones based on the orders. CASI's software dynamically controls the flow of the cases and totes to each zone and directs the picking activity for each picking zone.

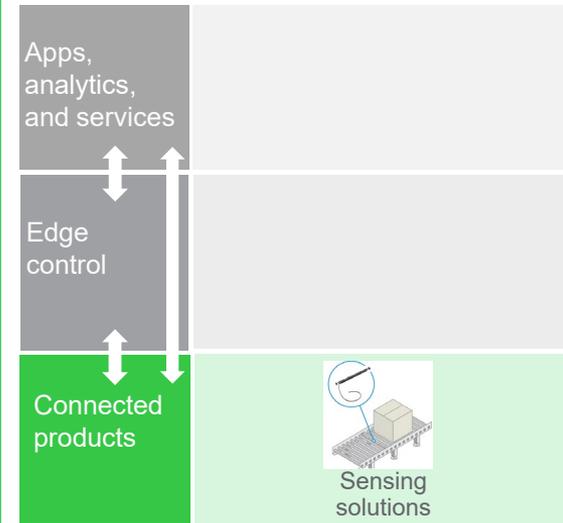
Customer Benefits

- Shockproof to improve operation costs: embedded within the conveyor frame, unlike reflectors and brackets, prevents product damage, extends lifetime and reduces downtime
- Optimized installation and maintenance: simple, fast with no settings, no alignment, no environment teaching, and optimized mounting with no additional brackets or reflectors required.
- 100% detection: no background or foreground limitations (ideal especially with presence of high-visibility jackets) while detection is effective on the full width of the conveyor.

The Results: Life Is On with... Reduced downtime and increased productivity while ensuring safety

One of the largest Retailer. 1,400 conveyors built by 3 OEMs. 40 roller sensors installed per conveyor

Ecostruxure[®] Machine
Innovation At Every Level



Life Is On | Schneider Electric

Complete solution for automated logistics at Milk Powder plant

China



Customer Challenge

- Build a complete automated retrieval system for the production of Milk Powder, automating the storage and delivery (paper box folding machines and conveyor)
- Provide warehouse visualization information
- Interface with Warehouse Management System (WMS) server

The Solution

- EcoStruxure Machine incl.:
- PacDrive 3 Motion Controller (shrink-wrapping station)
- Modicon M251 PLC (carton conveyor and pallet conveyor)
- Modicon M258 PLC (pallet)
- Altivar Drives
- AVEVA Edge (InTouch HMI)

Customer Benefits

- Total integrated solution from SCADA to all systems
- Reliable solution

The Results: Life is On with... Complete solution for automated logistics

Milk Powder producer in China.

EcoStruxure
Innovation At Every Level **Machine**



Warehouse Solution, Europe

Solution supplied to an Oem



Customer Challenge

- Solution should ensure 3 basic functions:
- Infeed & outfeed management with conveyors
- Elevators station to manage storage at several levels
- Shuttles to move pallets from infeed/outfeed section to storage position

The Solution

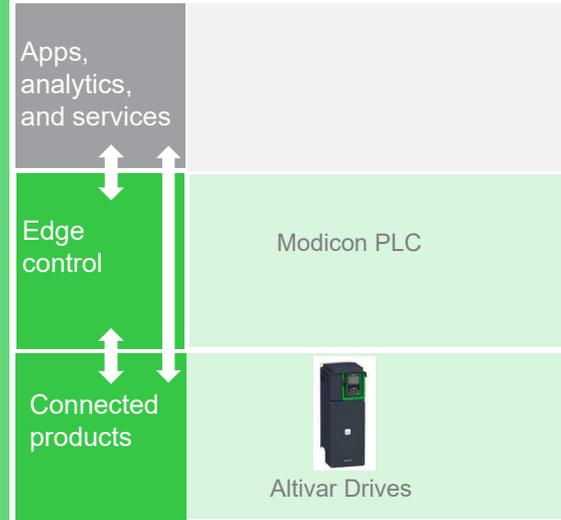
- EcoStruxure Machine Solutions including:
- Logic controller Modicon
- Drive controller
- Altivar drives

Customer Benefits

- Up to 30% saving time in assembly, wiring & commissioning

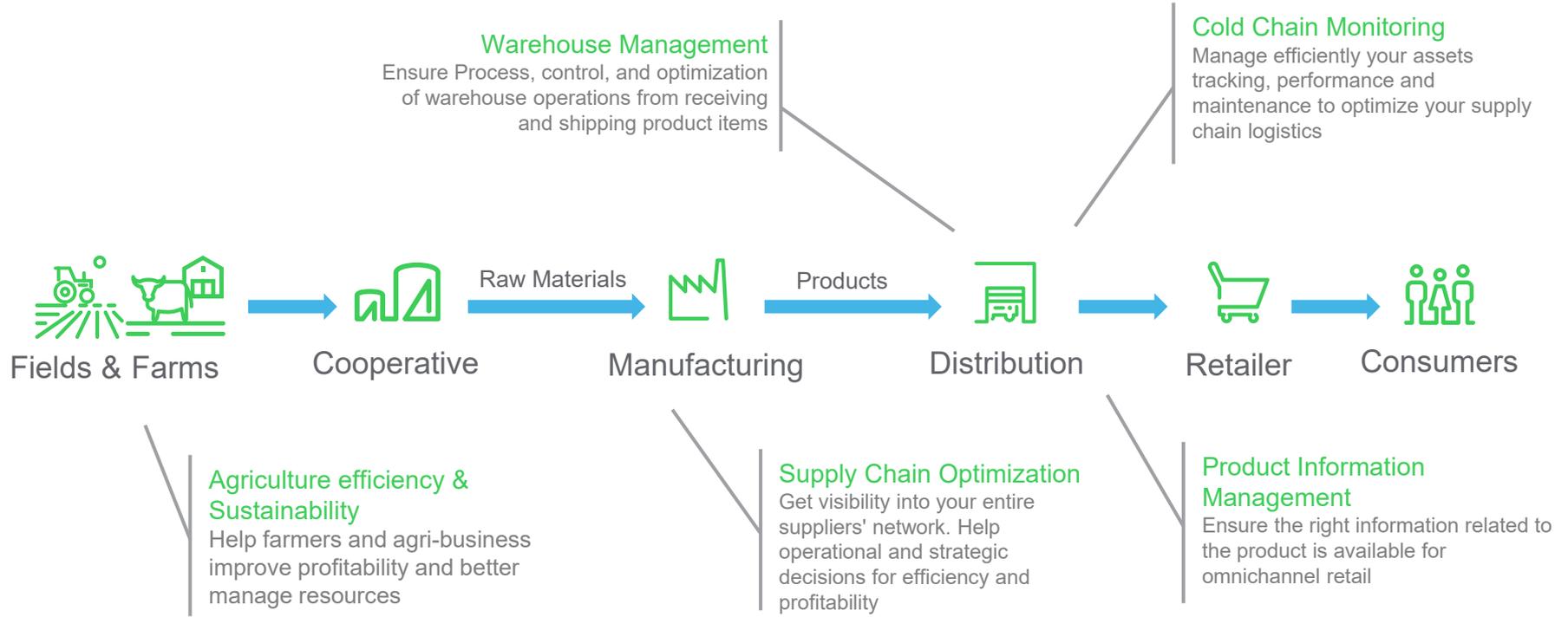
The Results: Life is On with... Ingenious solutions for all specific requirements

EcoStruxure for Food & Beverage
Innovation At Every Level



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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