

A detailed view of a modern industrial manufacturing line. The scene is dominated by stainless steel machinery, including various pipes, valves, and mechanical components. In the foreground, a row of clear plastic bottles is being filled with a bright yellow liquid. The bottles are arranged in a line, and the liquid level is visible in each. The background shows more of the factory floor, with additional machinery and a clean, industrial environment. The lighting is bright and even, highlighting the metallic surfaces and the vibrant color of the liquid.

Agile Manufacturing

EcoStruxure™ boosts manufacturing flexibility & efficiency
in the Food & Beverage, Household and Personal Care industries

Life Is On

Schneider
Electric

Agile Manufacturing

Transforming operations to improve flexibility and profitability

HMI and Data Integration

IoT ready system platform for better collaboration and reduced TCO

Process Control System

Process control system including MES functions designed to serve F&B and CPG applications

Process Automation

Innovative Ethernet based control platform for more performance, transparency and flexibility

Industrial Information Management

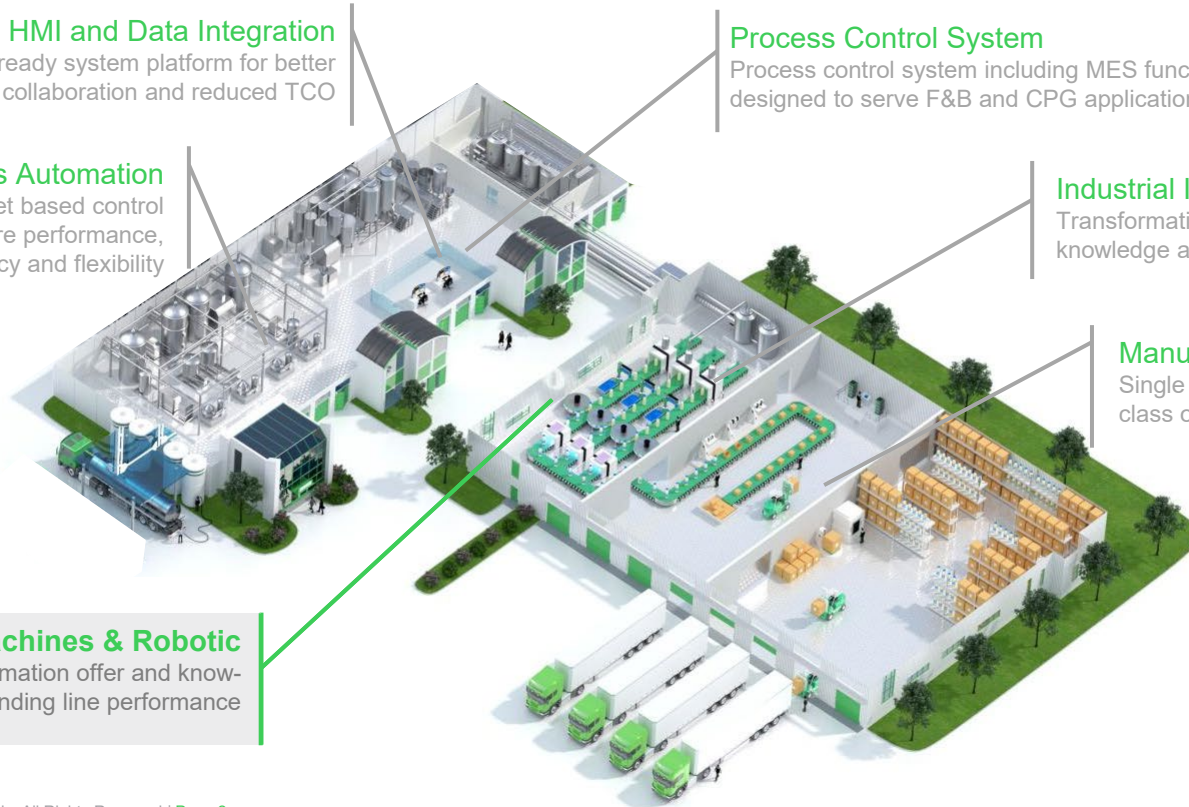
Transformation of your data into actionable knowledge and wisdom

Manufacturing Operation Management

Single plant and Multi-site IT platform for best-in-class operation, performance and quality

Smart Machines & Robotic

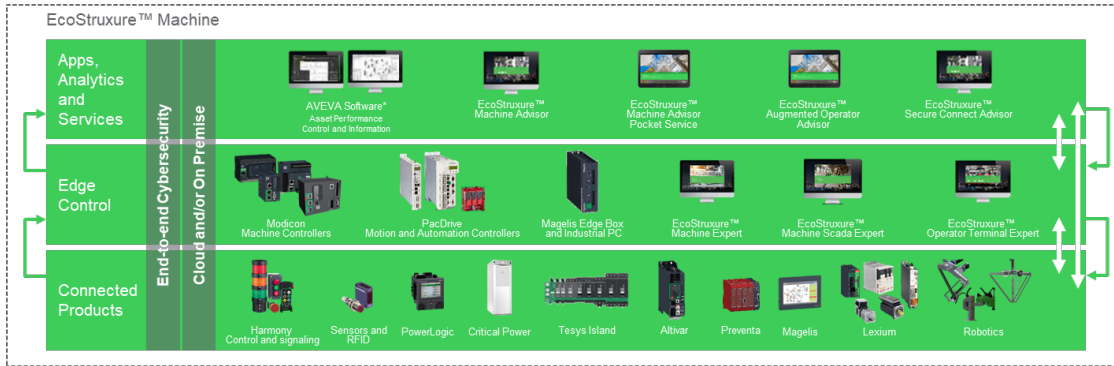
Packaging automation offer and know-how for outstanding line performance



EcoStruxure™ Machine

For simple to performance packaging and F&B machines

The solution



Automation solutions
for F&B machinery

Business value

Shorten Time to market

- 30% Engineering and commission reduction
- 50% Maintenance Time reduction

More flexible and better connected

- Quickly and easily adapt machines to changing production and operator needs
- Easily connect your machines to everyone, everything, everywhere in real time

More efficient

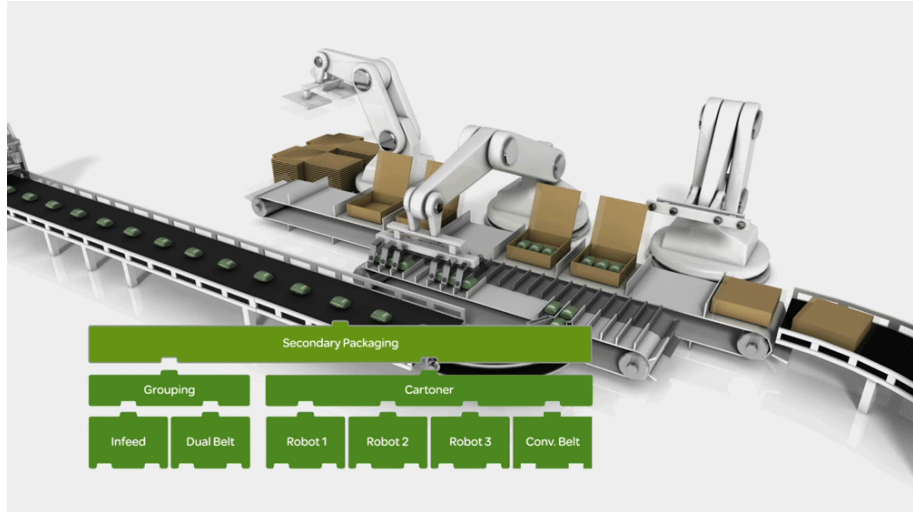
- Easily improve the efficiency of machines, resources and employees
- 5% Greater production efficiency
- 50% Less machine downtime
- 30% Energy consumption savings
- 55% workforce effectiveness and efficiency increase

Safer and more secure

- Easily offer your customers machines that protect people, assets and the environment

EcoStruxure™ Machine - Packaging application

Example of high-performance packaging application



The solution

- One Software integrating Machine & Robotic
- Modular hardware and software approach
- Up to 99 synchronized axes or 30 robots
- Real-time controller to controller communication
- Integrated Safety
- DC bus sharing for Energy Efficiency

Business value

- 80% of cabinet size reduction
- Easy commissioning and maintenance
- Fast changeover
- Increased performance and OEE
- Increase energy efficiency

Packaging automation
solutions



EcoStruxure™ Machine Advisor

Digital Services for machines



Track

A repository service in EcoStruxure Machine Advisor enabling online access to the machine fleet, documentation, and the history of all machines.

- Localize your entire installed base worldwide
- Manage machine data (BOM, documentation) and software
- Manage and log service, as well as maintenance activities



Monitor

EcoStruxure Machine Advisor service for OEMs and end users enabling them to remotely monitor and analyze machine health and performance.

- Monitor your installed base/single machine status and KPIs
- Starting with descriptive analysis, moving towards predictive analysis
- Customizable and configurable analytics dashboard



Fix

A toolkit to facilitate machine maintenance operations.

- Use software as a service directly from the browser
- Manage preventive maintenance plans and execution
- Use EcoStruxure Augmented Operator Advisor at end user sites

[Learn more](#)

EcoStruxure™ Augmented Operator Advisor

Easy-To-Use For industrial augmented reality applications

The Solution

- Combines contextual and local dynamic information delivering one mobile experience for both the physical environment and virtual objects.

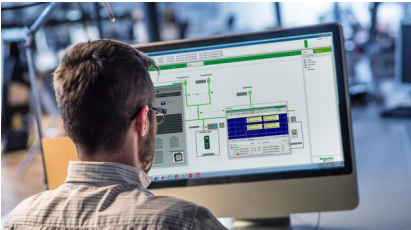
Business value

- **Reduce downtime** - Open electrical cabinet doors virtually
- **Speed up operation and maintenance** - Find information faster with immediate access in the field to real-time data, user manuals, instructions, diagrams, etc.
- **Reduce human errors** - Locate the right equipment and guide operators step-by-step to complete maintenance procedures



[Learn more](#)

Leveraging the potential of digitization throughout the machine life cycle



Design and engineering

Up to **30%** reduction of time to market



Commissioning and operation

Up to **40%** faster machine integration



Maintenance and services

Up to **50%** time savings for corrective actions

Cabinplant, Denmark

Modular technology helps bolster processing yields



Customer Challenge

- Ensure high yields at low cost
- Labor-intensive processes
- Difficulties of human-machine interaction

The Solution

- EcoStruxure Machine (MachineStruxure)
- Elau PacDrive technology
- iSH Servo modules & drives

Customer Benefits

- Higher utilization of raw materials
- Scalable, modular machines and software
- Ability to monitor efficiency of process steps

The Results: Life is On with...
Utilization rate of 25%

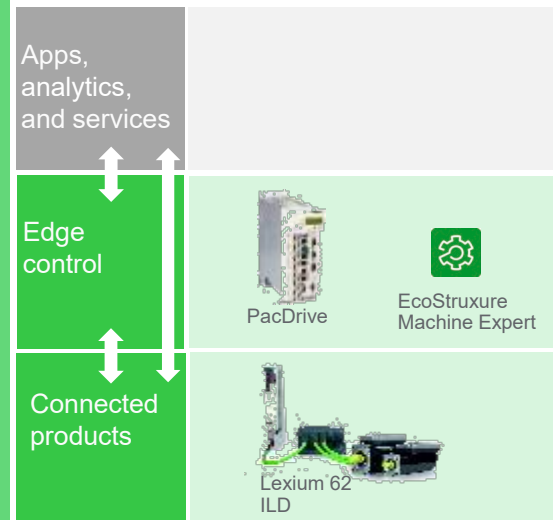
“The sardine packing process is traditionally labor intensive and involves a long series of individual steps where efficiency is lost with each added step.”

Cabinplant A/S

[Link to Video](#)

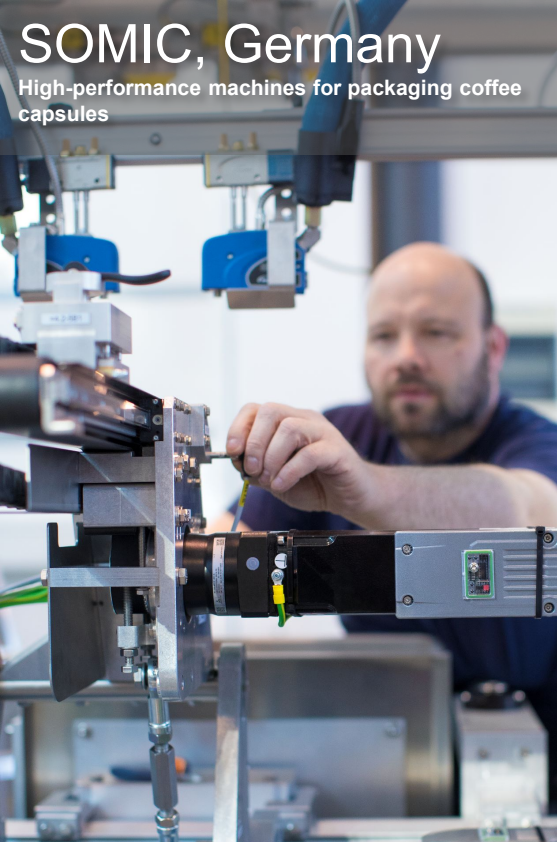
Provider of machinery, processing & weighing/packing solutions for food industry

EcoStruxure™ For Food & Beverage
Innovation At Every Level



Life Is On

Schneider
Electric



SOMIC, Germany

High-performance machines for packaging coffee capsules



Customer Challenges

- Meet market requirements for innovative, high-performing, and reliable smart machines
- Compact solution
- Modular design, nearly cabinet-less
- Preventive maintenance using augmented reality

The Solution

- EcoStruxure Machine including:
- Machine controller
- Servo drives and motors
- EcoStruxure Augmented Operator Advisor

Customer Benefits

- Highest machine output on minimal footprint
- Best-in-class maintenance using augmented reality allowing reduction of downtime & improved service
- Fast, immediate access in the field to real-time data, manuals & diagrams to speed up machine operation & maintenance
- Continuous optimization during operation
- Short time to market
- 40% energy management savings

The Results: Life Is On with... 200% output with just 50% of the standard footprint

“For more than 10 years, Schneider Electric’s integrated servo drives have been the foundation of our modular system and engineering concept.”

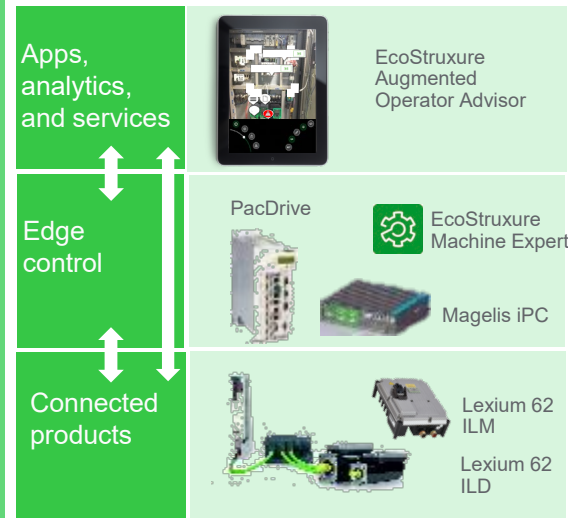
Manfred Bonetsmüller,
CEO, SOMIC Verpackungsmaschinen, Amerang

[Link to Video 1](#)

[Link to Video 2](#)

Leading builder of the most compact & fastest packaging machines

EcoStruxure For Food & Beverage
Innovation At Every Level



Life Is On

Schneider
Electric

Bühler AG

Digital transformation for better and faster data visualization

Customer Challenge

- Embark on their first digital transformation journey
- Secure company's long-term future and offer more attractive jobs
- Need for helpful and sensible technology

The Solution

EcoStruxure™ Augmented Operator Advisor

Customer Benefits

- Provide visualization of production data on mobile devices
- Each application is customized to the specific environment and machine to suit customer's needs
- Ability to provide customized information to every user based on their needs

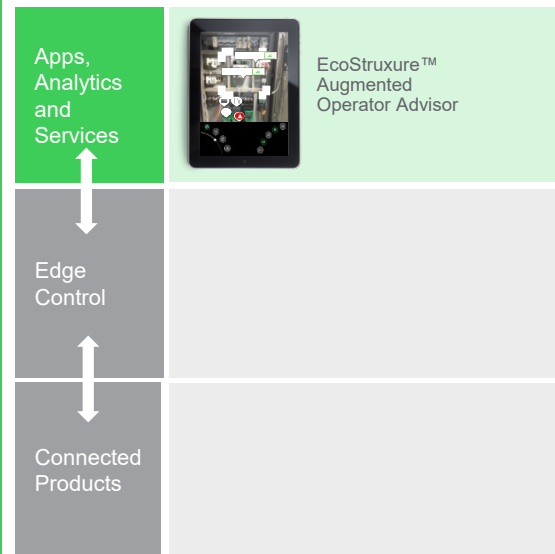
Results

- Speed of resulting information displayed is greater than that provided by earlier solutions such as routing strips or electronic records
- High interactivity allows users to access real-time system data as needed

Watch the [video](#)

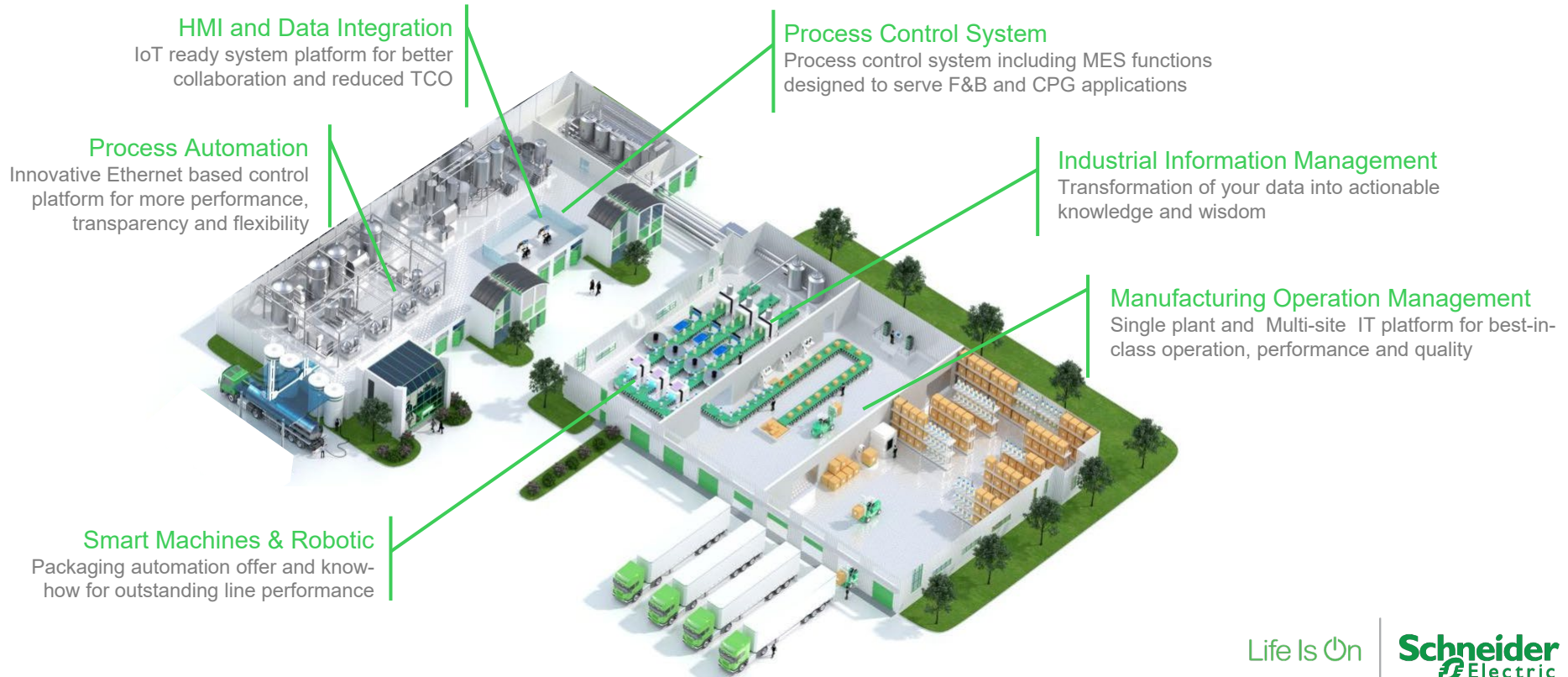
Global market leader in the supply of technology to the grain processing industry

EcoStruxure™ **Machine**
Innovation At Every Level



Agile Manufacturing

Transforming operations to improve flexibility and profitability



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

A photograph of two men in white lab coats and hairnets, standing on a yellow-railed walkway in a large industrial facility. They are looking at each other and talking. The background shows complex machinery and structural elements of the factory.

Let's talk about

EcoEtruxure™
for Food & Beverage

Life Is On



Schneider
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