

A photograph of two men in a large industrial facility. The man on the left is wearing a light blue shirt, a dark tie, and dark trousers. The man on the right is wearing a light grey polo shirt and dark cargo pants. They are both looking at a document held by the man on the right. In the background, there is a complex industrial machine with glass panels and various components, set within a large, well-lit factory space with high ceilings and exposed pipes.

# Efficient Facilities

EcoStruxure™ manage safer, more available and greener resources  
for Food & Beverage, Household and Personal Care production environments

Life Is On

**Schneider**  
Electric





**Our mission is to be  
your digital partner for Sustainability and Efficiency**



**Rethinking next generation industries:  
business resilience and sustainability performance  
for lifecycle integrated management**



# 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



# ... leveraging 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

# Managing Food & Beverage facilities effectively is critical

Facility performance directly impacts the quality of finished product and the operating cost

Electrical hazards are in the top 5 reasons for fire incidents and the 6<sup>th</sup> reason for fatal injuries in manufacturing

*Typical cost of a fatal incident is > 1.5 M€*

High cost of managing deviations, lost product and business downtime

*Poor Power quality cost 4% of industry turnover*

Data availability across multiple siloed systems

*60% of plant energy usage is in utilities  
Proper management of plant environment has an impact on product quality*



Rapid evolution of facilities to meet future production demands

*Modular design needed to adapt to constant environment changes*

Ensure data integrity for growing needs of edge control IOT applications

*Volume of data in food industry is on the rise*

Achieve sustainability goals to increase shareholder value

*49% of F&B CFO's see a significant link between sustainability and financial performance*



# Efficient Facilities

Safer, more available and greener resources



## Improve safety and reliability

Secure your staff, utilities and data to mitigate risks and increase business uptime

Up to **49%** reduction in faults



## Increase facilities efficiency

Transform your facility to improve real time visibility on all your assets and boost performance

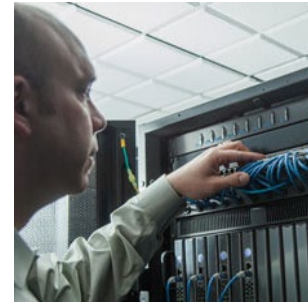
Up to **35%** cost savings



## Reduce environment impact

Reduce carbon emission. Reduce, recycle and reuse, water and wastes. Meet your sustainability goals for a better future for all

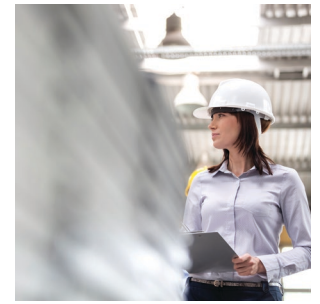
Up to **25%** reduction in carbon emission



## Protect data and power analytics

Dedicated IT infrastructure to be deployed on the edge to support digital transformation and cybersecurity needs

Up to **20%** increase plant throughput



## Increase speed and agility

Reduce time to market, start small and grow fast and easily align facilities with production and market requirements

Up to **15%** reduction in engg. time and cost

# Efficient Facilities

Safer, more available and greener resources

## Power Safety & Availability

Standardization, site assessment, and predictive maintenance for safe and available power

## Building management

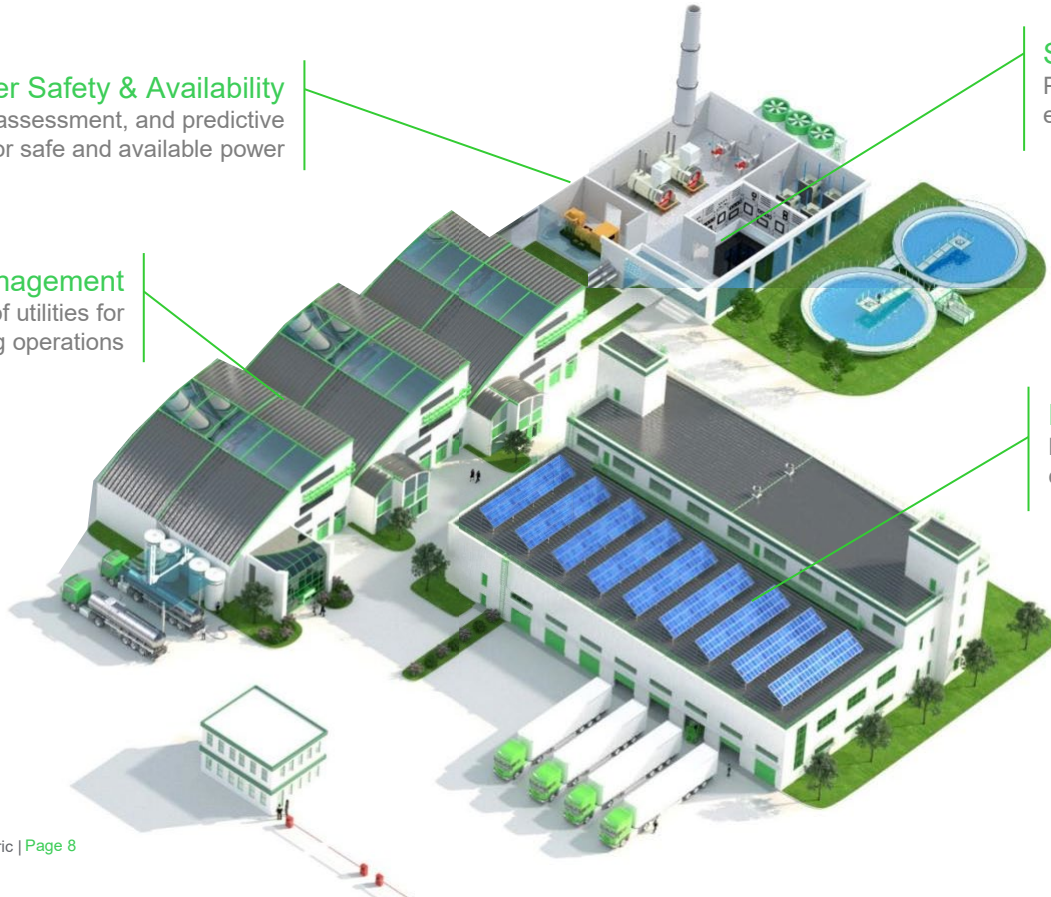
Effective and efficient use of utilities for your manufacturing operations

## Server Rooms management

Provide self contained and secure computing environment for your on-premise applications

## Renewable Energies & Microgrid

Manage complex energy mix to optimize cost and carbon footprint.





# 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 factory floor. They are leaning on a yellow and black railing and talking. The background shows industrial machinery and red storage bins.

Let's talk about it.



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