



Efficient Facilities

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

Life Is On

Schneider
Electric

An aerial photograph of a river winding through a dense, lush green forest. The river is dark and reflects the surrounding trees. The forest is thick and vibrant green, covering the entire landscape. The text is overlaid on the center of the image.

**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

Resilient supply chain
Manage complexity and
improve visibility

Agile manufacturing
Boost manufacturing
flexibility & efficiency

... 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

Efficient Facilities:

Safer, more available and greener resources

Power Safety & Availability

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

Building management

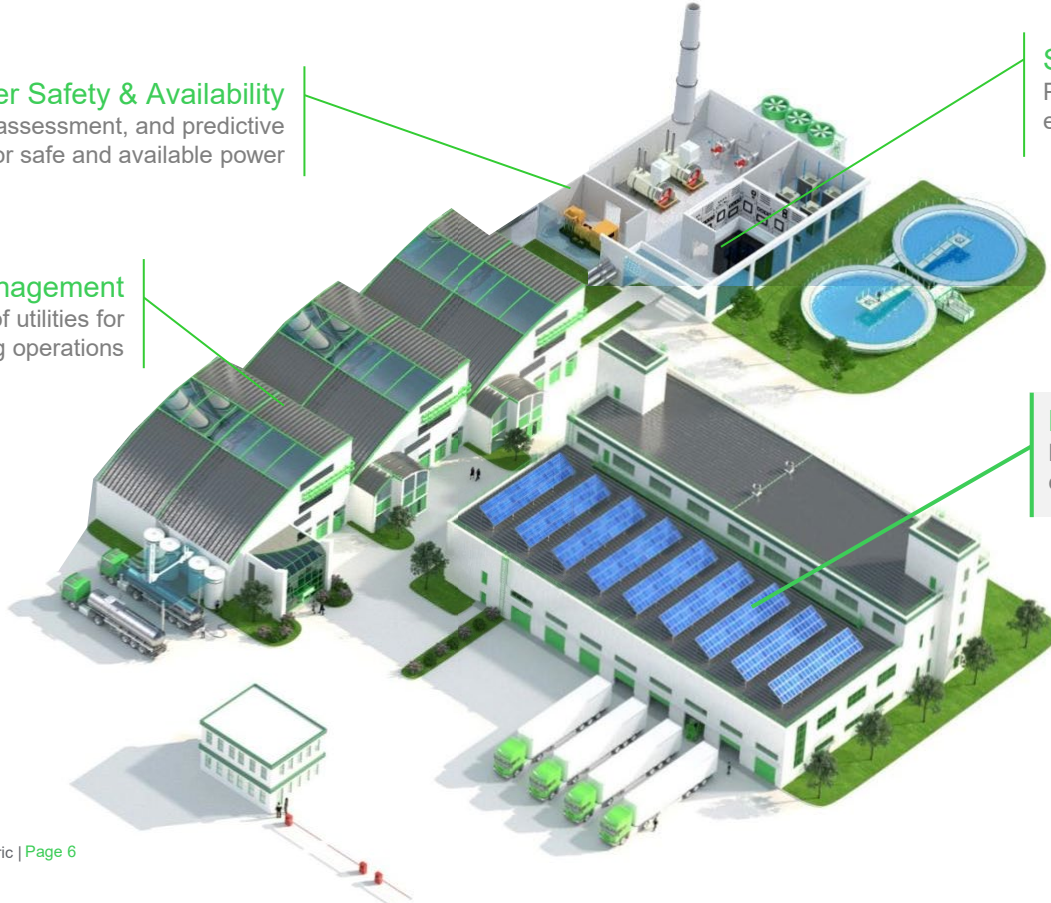
Effective and efficient use of utilities for your manufacturing operations

Server Rooms management

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

Renewable Energies & Microgrid

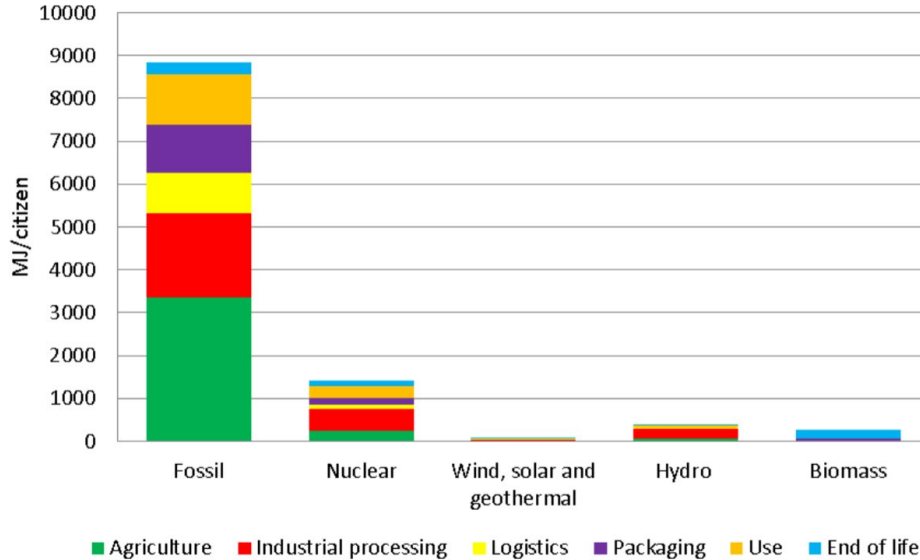
Manage complex energy mix to optimize cost and carbon footprint.



Renewable Energy & Microgrid

Decarbonize and decentralize your energy

- Source of Energy embedded in a typical food basket¹



Fossil fuels still account for **79%** of energy in F&B¹

THE 17
SUSTAINABLE
DEVELOPMENT
GOALS

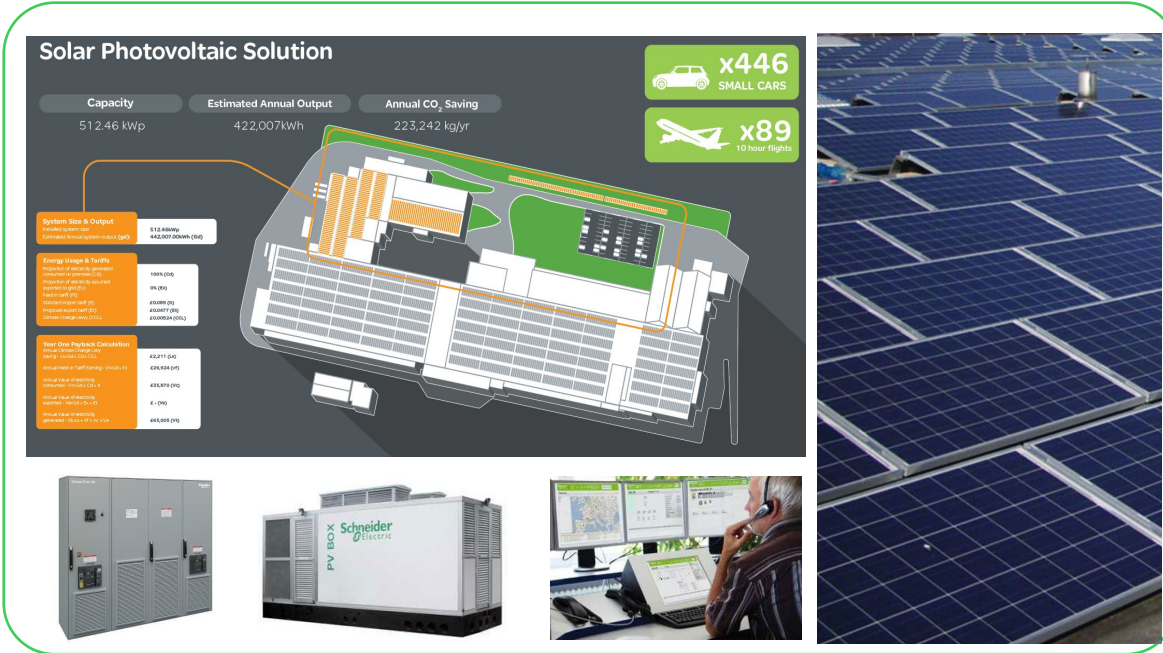
GOAL 7: Ensure access to affordable, reliable, sustainable and modern energy for all

¹ European Union - Join Research Center

Renewable Energy & Microgrid

Decarbonize and decentralize your energy

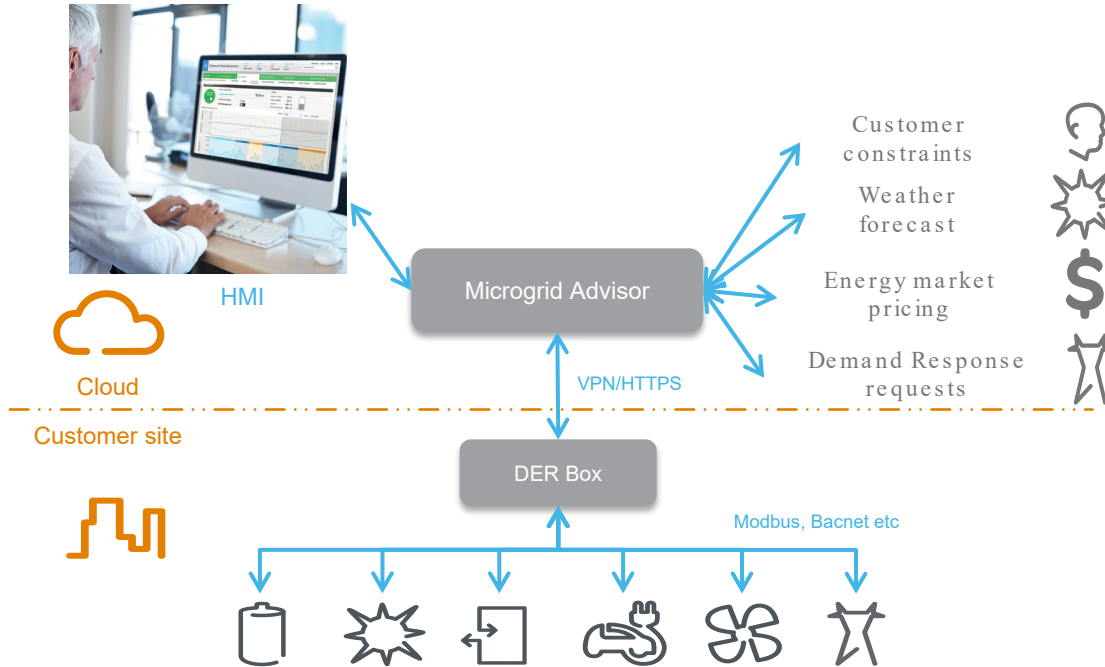
- Improving carbon footprint and reducing energy costs



- Schneider Electric offers a complete solution for the solar power conversion chain including electrical distribution, monitoring and technical support.
- We manage the different energy sources in the plant, allowing to forecast and optimize when to consume, produce, store, or sell energy
- Benefits
 - Reduced carbon footprint
 - Reduced ROI

Renewable Energy & Microgrid

EcoStruxure Microgrid Advisor



- An advanced Software as a Service and seamless interface to optimizes your facilities energy performance
- Benefits
 - lower your energy costs (cut your energy bills and increase curtailment incentives),
 - reduce your carbon footprint,
 - ensure power reliability from your onsite generation assets

Confectionery player, India

Rooftop solar project



Customer Challenge

- Reduction in energy consumption as part of its cleaner & greener environment program
- Maximize the energy output from the available roof space by using light-weight material for construction

The Solution

- 20,000+ m² Solar Panel for a total installed capacity of 1.5 MW
- Best-in-class architecture
- String inverters

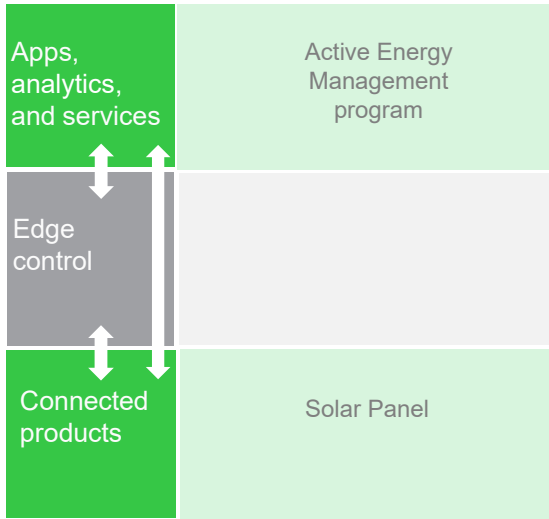
Customer Benefits

- 2,250 MWh green energy generated per year with the installed capacity
- 1.916 tonnes of carbon dioxide emissions reduction per year

The Results: Life is On with... US\$0.5 Millions per year in savings in energy consumption

The solar power project may serve the needs of 1500-2000 homes per day around the plant

EcoStruxure For Food & Beverage
Innovation At Every Level



Efficient Facilities:

Safer, more available and greener resources

Power Safety & Availability

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

Building management

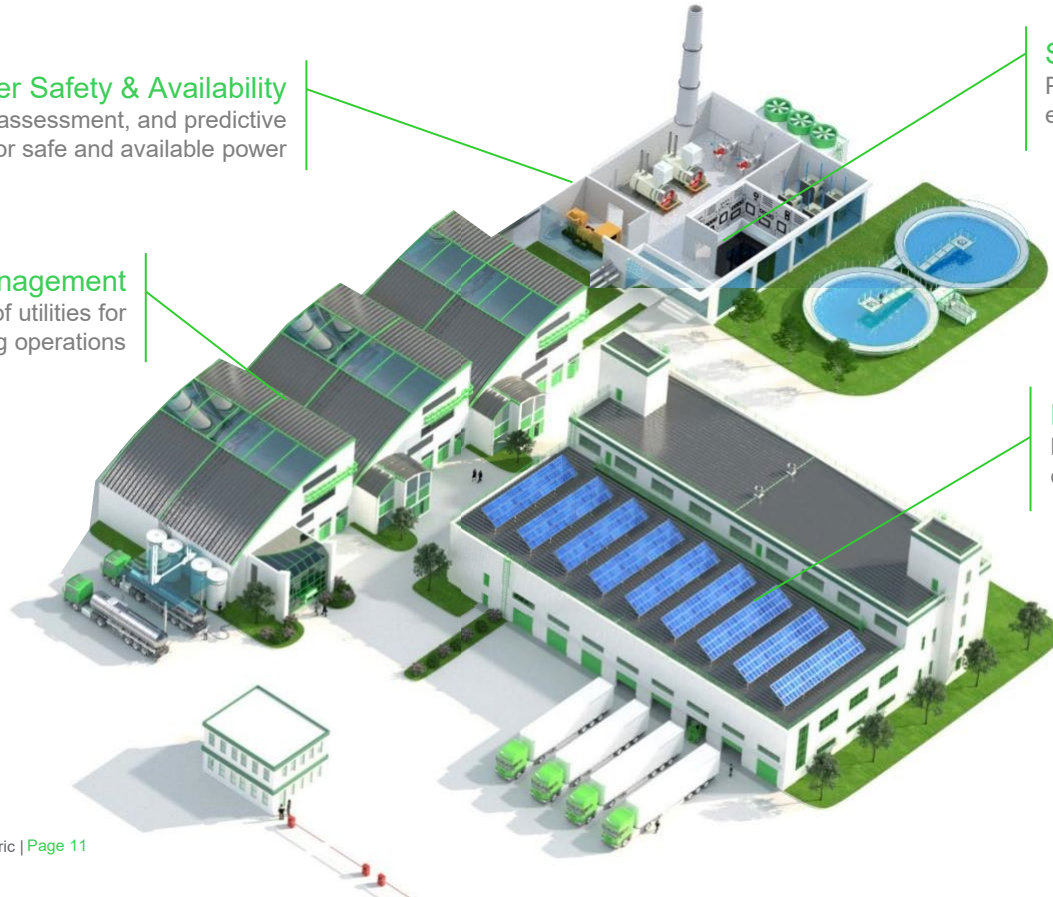
Effective and efficient use of utilities for your manufacturing operations

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 a complex industrial facility with various pipes, structures, and equipment. The text "Let's talk about it." is overlaid in the center of the image.

Let's talk about it.

Life Is On



Schneider
Electric