Efficient Facilities

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

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
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.
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**

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- **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

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Let’s talk about it.