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.
Server Rooms management
Provide self contained and secure computing environment for your on-premise applications

Data Management

- Increasing need for data collection at the edge?
- Data availability and consistency?
- Cybersecurity risks?

Operational Constraint

- Limited space?
- Scalability issues?
- Maintenance cost
Schneider Electric’s micro data center portfolio allows replacement of large server rooms.

A comprehensive portfolio available in few weeks

SmartBunker™ SX, CX, &FX

Smart Shelter™

Industrial racks

All manufactured, assembled & tested in a Schneider Electric facility.
EcoStruxure Micro Data Center

The Solution

- Protect against physical and environmental threats with camera monitoring, keylock doors, intrusion detection, and more.
- Complete offer of enclosures with different features to host the necessary IT equipment in any environment.
- Pre-integration Capability. Shock packaging allows equipment to be pre-integrated into the enclosure before it arrives on-site, speeding up deployment.
- Reduce service visits and downtime. Reliable power and security offers coupled with proactive services and analytics.

Business Value

Plug&Play, Cost Effective, Standardized
EcoStruxure Micro Data Centers provide the reliability, resiliency, and security of a datacenter in a single enclosure that can be distributed in any edge environment.

- Reduce time to market
- Prevent equipment failures
- Reduce maintenance costs
- Extend equipment useful life
- Improve security

Pre-approved reference designs*

*Pre-configured solutions increase deployment speed and reduce field engineering costs by 25-40%, increase order processing speed by 20% and reduce maintenance costs by 7%. WWT.
IT Infrastructure Management

We have built a strong leading position in all applications...

**Data Center**
- IT inside the data center
  - Racks & enclosures
    - IT Racks & Cabinets
  - Cooling
    - Room A/C & chillers
  - Prefab
    - Prefabricated modules
  - 3-phase UPS
  - Switchgear & busways (cross-selling)
  - Software
    - DCIM

**Industrial**
- Heavy and light industrial applications
  - 3-phase UPS
    - IT 3ph modular UPS
  - Inverters
    - Industrial inverters
  - Micro Datacenters

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Software & services

#1 market share

#2 market share
Server Rooms management

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

Data Management

• Up to 25 less downtime risks
• Cost effective redundancy
• Faster incident resolution
• Cyber Risks mitigation

Operational Constraint

• Up to 60% reduction in footprint
• Reduction of cost of design
• Very fast deployment
• Optimized performance (up to 30% in power and maintenance costs)
Customer Challenge
- Deploy secure, computing infrastructure to manage supply chain and other business operations at every location.
- Faster update of sales and marketing activities
- Minimize capital and operating costs e.g. maintenance and persona

The Solution
- Smart Bunker - Micro Data Center Xpress SX
- 1.5 KVA Uninterruptible Power Supply
- Power Cord and Basic rackmount Power Distribution Unit

Customer Benefits
- Pre-validated and standardized solution across multiple stores and regions
- Delivery process simplification
- Simplified single-vendor service support

The Results: Life is On with... 20% reduction in lead time with convenient delivery process and operational maintenance.
Customer Application
• Digital control of Champagne filling and labelling: Inspection systems that leverage HD high speed camera for real time quality controls.

Customer Challenges
• **Factory:** M&C believes that quality control is essential when you strive to deliver a consistent premium product. This means that quality control must be best-in-class and always on.
• **IT division:** No server room available, need of high bandwidth & speed infra for image mining / analysis real time, need resilient & secure IT equipment.

The Solution
• Pre-integrated end-to-end Edge solution deployed by Actemium, France Industrial System Integrator

Key success factors
• Internal collaboration btw Industry & Secure Power
• Strong relationships with customer’s IT & Quality
• Strong relationships with Actemium, the trusted advisor of our customer

Driven by its pioneering spirit, Moët & Chandon has always produced a Champagne with an inimitable identity. The new factory reflects this mission: Factory 4.0 that combines innovation, efficiency and aesthetics.
Customer Challenge
• New HQ for Nestlé Brazil in Sao Paulo, centered on innovative sustainable solutions for which a new Data Center infrastructure was needed

The Solution
• EcoStruxure IT including:
  • EcoStruxure IT Expert
  • NetBotz, PDU racks
  • UPS

Customer Benefits
• Optimized solution vs what was originally planned (space & footprint)
• Redundant solution enabling energy efficiency and reliability
• Quick and flexible implementation thanks to a standard solution
• Modular solution enabling the expansion of the data center depending on demand

The Results: Life is On with...
Sustainable solution aligned with the LEED certification of the building

“Nestlé is moving forward with the implementation of technologies from Industry 4.0 and accelerating the expansion plan, always focusing on solutions that bring operational and financial results to the company. Fernando Molina, IT Manager, Nestlé Brasil.

Link to Paper (Spanish)
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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Let's talk about it.