Smart Facilities solutions

We help our customers create future-ready pharmaceutical manufacturing and biotech facilities

ENVIRONMENTAL CONTROL

Property of Schneider Electric

Public

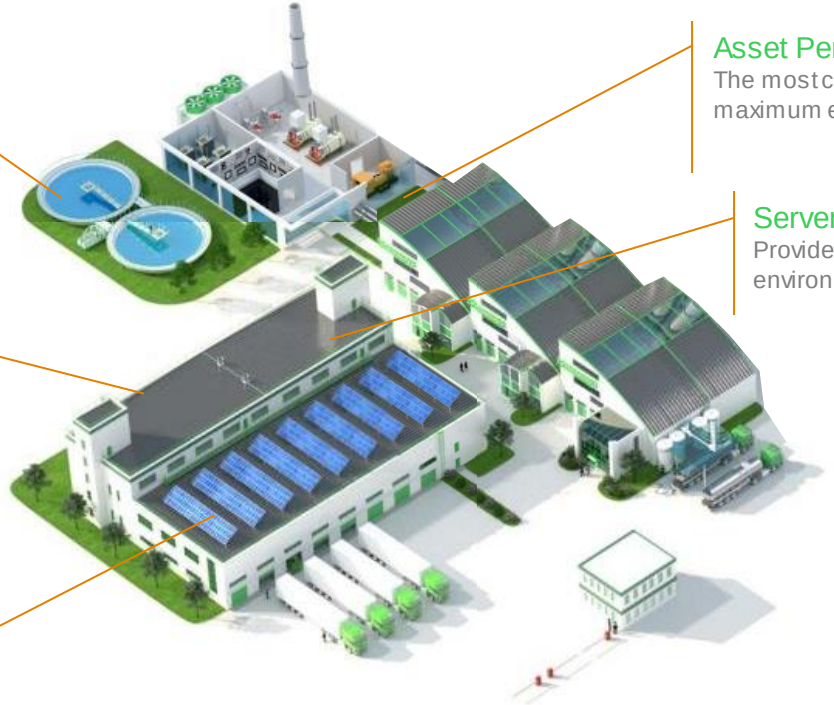
Smart Facilities

Safer and more available environment

Building Management
Provide the best conditions for your manufacturing operations

Environmental Control
Make sure your production environment comply with requirements and regulations

Power Safety & Availability
Standardization, site assessment, and predictive maintenance for Electrical Distribution



Asset Performance Management
The most comprehensive solution for a maximum economic return of your assets

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

Public

Environmental Control (1/3)

Make sure your production environment comply with requirements and regulations.

Control and monitoring of storage and production environments are very important within the Life Sciences Industry.

The FDA, MHRA, EMEA and other regulatory bodies require accurate measurement and storage of environmental parameters and, if the storage medium is electronic, the methods used must comply with FDA 21 CFR Part 11.

Public

Environmental Control (2/3)

Make sure your production environment comply with requirements and regulations.

The Solutions:

- Our solutions are based on scalable, cost-effective architectures to suit the application
- Optional redundancy can include the processor, I/O, power, communications, servers and historians, offering high process availability
- Data recorded in a tamper-resistant, high-integrity format with store-and-forward functionality, for reliable regulatory auditing

Laboratory Control System

Public

Environmental Control (3/3)

Make sure your production environment comply with requirements and regulations.

The Benefits

- Solutions based on scalable cost-effective architectures to suit the application
- Optional redundancy can include the processor, I/O, power, communications, servers and historians, offering high availability of the process
- Data recorded in a tamper resistant, high integrity format with store-and-forward functionality, offers high data reliability for regulatory auditing purpose

Learn more

Public

Major Medicine Manufacturer, France

Reducing validation time for a BMS and EMS solution

Customer Challenge

- Environmental Monitoring System (EMS), for manufacturing site in France producing dry form products
- Segregate BMS and EMS: EMS must be compliant with 21 CFR Part 11 Requirements (DATA INTEGRITY ALCOA). Implemented in line with GAMP 5 guidelines

The Solution

- Eurotherm T2750 PAC based EMS
- AVEVA System Platform running independently from BMS

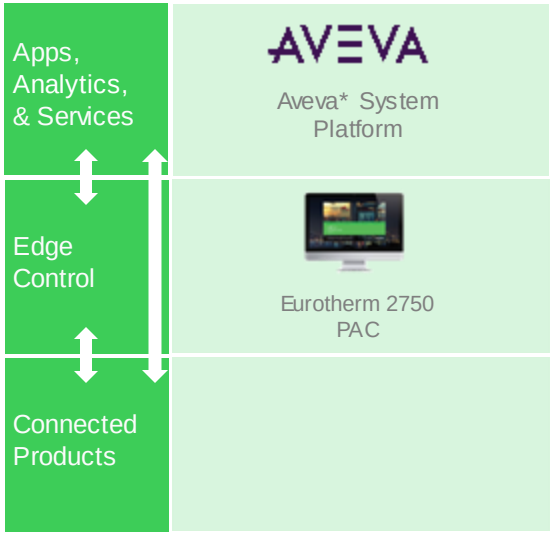
Customer Benefits

- Data recorded at point of measurement aids storage reliability
- Store & Forward technology helps to improve reliability of data archiving by automatically backfilling missing data
- Eurotherm project team GAMP 5 and data integrity know-how
- All GMP related monitoring situated within separate EMS so validation of BMS no longer required

The Results : Life is On with… reducing validation time, CAPEX and OPEX COST

Multinational medical devices, pharmaceutical and consumer packaged goods manufacturer

EcoStruxure™ For Life Sciences



*The Schneider Electric industrial software business and AVEVA have merged to trade as AVEVA Group plc, a UK listed company. The Schneider Electric and Life is On trademarks are owned by Schneider Electric and are being licensed to AVEVA by Schneider Electric."

Life Is On Schneider Electric

Vaccine Manufacturer, India

21CFR Part 11 compliant EMS solution

Customer Challenges

- **Our customer required a robust, reliable** and **scalable** monitoring solution for COVID-19 vaccine manufacturing facility
- To commence production within 3 months
- To Integrate Eurotherm solution with Dream Report and customer preferred 3rd party HMI

Our Solution EcoStruxure™ for Life Sciences

- 3 X Eurotherm Environment Monitoring Systems ("EMS") compliant with **21 CFR Part 11 and FDA regulations** for new manufacturing facility for COVID-19 Vaccine
- **1000+** Analog , **850+** Digital, 25 versadac™ Scalable Data Recorders **4** x 6180XIO Recorders, HMI's and Control Panel
- Eurotherm Data Reviewer with Dream Report software analytics

Customer Benefits

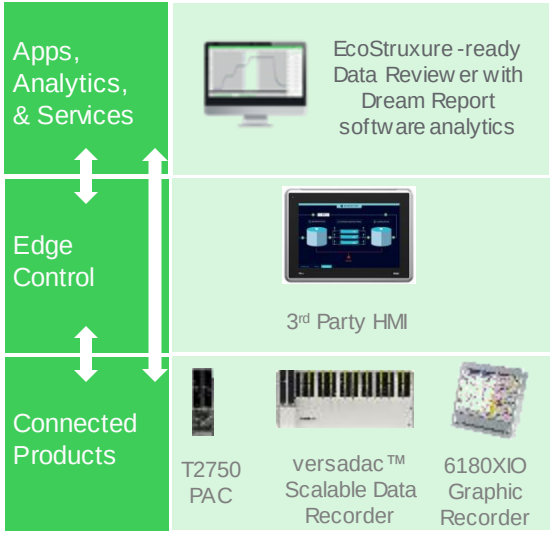
- Fast delivery of first system within timescales
- Proven solution with Eurotherm Data Management solution (6000 series and versadac™ Recorder) with 21 CFR Part 11 enables **Data Integrity** and **Traceability** of environmental conditions
- Digitized reporting via Data Reviewer with Auditor and Dream Report integration

New

Vaccine development

(eg. COVID-19) requires robust EMS for **24/7** Data Integrity, traceability and regulatory compliance

EcoStruxure™ For Life Sciences



Life Is On Schneider Electric

Pharmaceutical Manufacturer, France

Data integrity ALCOA+ tracking solution

Customer Challenges

- Produce a COVID vaccine in April 2021
- Upgrade the Environmental Monitoring System (EMS) of plant to be compliance with FDA 21CFR Part11
- Measure and record the temperature of mobile production pallets : Tracking operations
- Deliver the project (technical study and negotiations include) in less than 4 months.

Our Solution for EMS

- Microsoft Windows Server
- Eurotherm Review
- Dream Report software
- 12 x Eurotherm Eycon 10
- 1 x Eurotherm T2750 Programmable Automation Controller
- 11 x QR Code Scanner
- 1 x Mobile QR Code Scanner (Bluetooth)
- 40 x wireless sensors
- Design and electrical installation of cabinet

Customer Benefits

- A validated EMS that meets the FDA 21 CFR Part 11 compliance requirements
- Data Integrity ALCOA+ Tracking solution
- Technical study and delivery of the ISPE GAMP5 Engineered project in a very short time
- Record temperatures on mobile installations
- Scalable solution for future plant installations

New

Cold chain of the **covid-19 vaccine** needs to be monitored and tracked for regulation compliance.

ALCOA (+)

Pharma 4.0

Eurotherm

EcoStruxure™ For Life Sciences

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