



Smart Facilities solutions

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

POWER SAFETY & AVAILABILITY

Smart Facilities

Safer and more available environment

Building Management

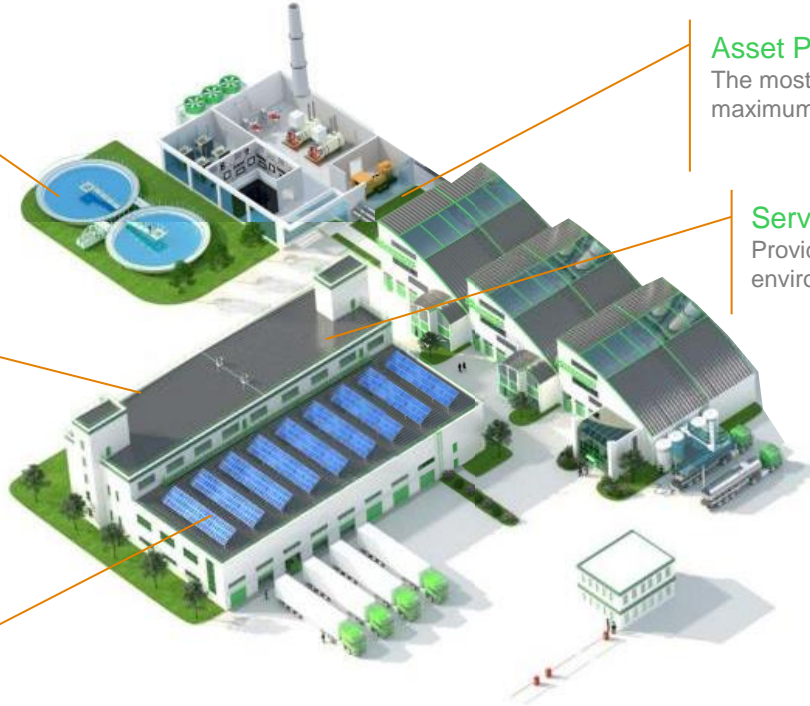
Provide the best conditions for your manufacturing operations

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

Power Safety & Availability (1/3)

Standardization, site assessment, and predictive maintenance for Electrical Distribution



Power availability is critical in an industrial process or in precision environments.

A downtime in power supply could make you lose millions of euros.

We secure power and ensure the optimization, quality, availability of the electrical energy supply.

Power Safety & Availability (2/3)

Standardization, site assessment, and predictive maintenance for Electrical Distribution



The Solutions:

- Our EcoStruxure Power solutions deliver safe, highly available, and energy-efficient electrical distribution systems for low and medium-voltage architectures.

[Ecostruxure™ Power Distribution](#)

[Ecostruxure Cybersecurity Admin Expert](#)

[Medium Voltage Solutions](#)

[Low Voltage Solutions](#)

[MasterPact MTZ circuit breakers](#)

[EcoStruxure Asset Advisor](#)

Power Safety & Availability (3/3)

Standardization, site assessment, and predictive maintenance for Electrical Distribution



The Benefits

- Up to 10% reduction in maintenance costs
- Up to 10% reduction in energy spending
- Up to 15% reduction in project costs

[Learn more](#)

Pharmacia Corp., USA

New Power management system saves time & cuts costs



Customer Challenge

- Move from manual energy data collection (125 meters taking 2 days) to a automated method
- Maintain and refer to accurate historical data for demand and supply considerations
- Reduce time and improve accuracy of data collected

The Solution

- EcoStruxure Power Monitoring Expert

Customer Benefits

- Reduce time (2 days to 3 hours) and error on data collection
- Accurate in peak demand, improving transformer loading up to 35% and determine space capacity
- Potential savings made by avoiding and minimizing downtime and losses from outage (typical \$100k per hour to \$23m per day)

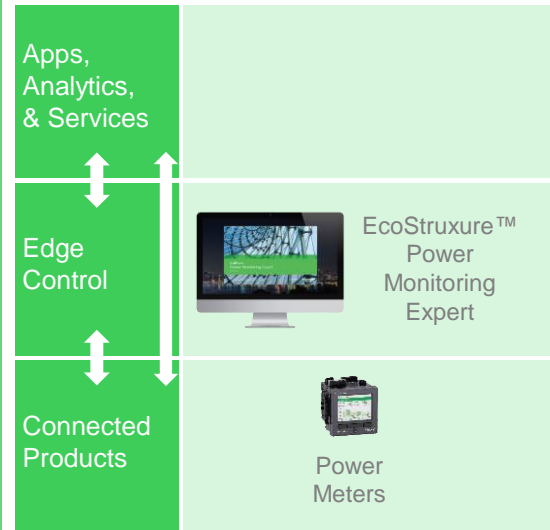
The Results: Life is On with... Savings of \$2M in new equipment costs by balancing loads and identifying spare capacity

“Our goal is to keep it simple – simple gets results. Nothing magical, just common sense, and consistency”.

Jim Vyuerberg,
Plant Engineer, Pharmacia Corporation

Pharmaceutical & Biotechnology
company

EcoStruxure™ For Life Sciences



[Link to Paper](#)

Life Is On

Schneider
Electric

UCB Farchim, Switzerland

How UCB Farchim protects itself against power outages

Customer Challenge

- Drug production requires a continuous power supply, otherwise millions of dollars in damage will be caused
- Consolidated and digital overview of the entire medium and low-voltage network

The Solution

- EcoStruxure Power
- EcoStruxure Power Monitoring Expert

Customer Benefits

- Digitization of low and medium voltage levels
- Remote monitoring and alerting in real time for any deviations
- Energy management software for real-time analysis
- Retrofitting of existing systems also possible on site

The Results: Life is On with...

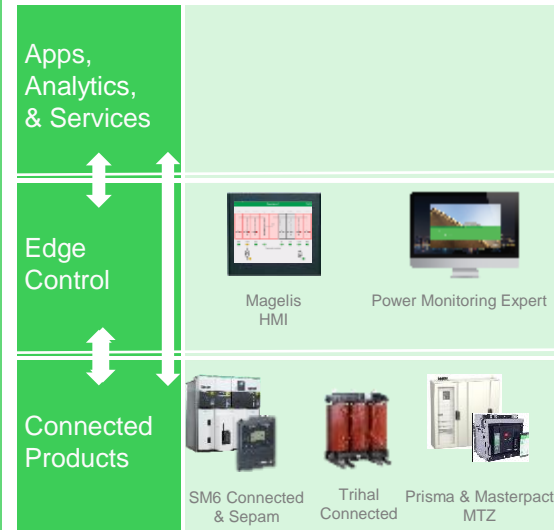
30-35 % savings in the operation and maintenance of the installations

"To prevent a power outage, we have completely digitized our power supply with EcoStruxure Power from Schneider Electric. This saves us time and money on the maintenance and operation of our installations amounting to around 30 to 35%."

Roland Francey
Head of power supply installations
UCB Farchim

Annual production of around 2 billion pills against serious diseases such as epilepsy or rheumatoid arthritis

EcoStruxure™ For Life Sciences



[Web page](#)
[Video](#)

Life Is On

Schneider
Electric

Smith & Nephew, USA

Installing power monitoring equipment to support new loads



Customer Challenge

- Ensure manufacturing processes is flexible to handle new machinery and equipment
- Difficulty and inaccuracy in determining peak load of a given circuit for spare capability availability
- If no spare the challenge to add new bus duct increases ceiling space, expand building or re-engineer the plant

The Solution

- EcoStruxure Power Management software (PowerLogicD System Manager)
- PowerLogic advanced power meters

Customer Benefits

- Full view of system loading enabling spare capacity for new production
- Cost saving by avoiding new equipment purchase
- Monitoring power quality at site due to harmonics and power factor
- Time saved in generating manual reports by accessing real-time power system information

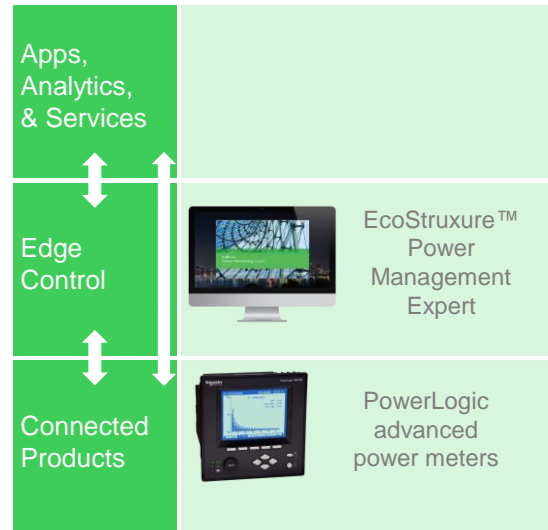
The Results: Life is On with... \$2,000,000 in savings in equipment and installation costs

“The system also allows us to learn more about harmonics and power factor that can help us save on our power bill”.

Don Haney,
Master Electrician, Smith & Nephew

UK based global medical manufacturing company supporting healthcare professionals in more than 100 countries

EcoStruxure™ For Life Sciences



[Link to Paper](#)

Life Is On

Schneider
Electric

Biovet, Bulgaria

Complete solution for electrical distribution and energy management.



Customer Challenges

- Achieve a reliable and secure power supply (uninterrupted power supply is crucial for the facility)
- Ensure safety for the staff and secure operation of the facility
- Energy management providing actionable, early insight into abnormal operating conditions across the plant

Solution

- Energy Monitoring System – EcoStruxure™ Power SCADAExpert v.8.2 with advanced reporting
- Trihal cast resin distribution transformer
- SM6 switchgear
- Prisma type tested low voltage switchboard
- Varsset smart low voltage capacitor bank
- Canalis busbar trunking system

Customer Benefits

- High quality of power supply and considerable energy savings through continuous real-time energy monitoring and control
- Instantaneous coordination, discrimination and communication between the protection devices. Complete solution from one supplier
- Early diagnostics and actionable insights on installed equipment health to maximize uptime and boost performance
- Smart monitoring and control of LV and MV switchgear
- Technical support and assistance at any time
- After-sales services and maintenance plans

The Results: Life Is On with...

Reliable and energy efficient power with real-time monitoring and control

"Biovet has stable long-term partnership with Schneider Electric. Our collaboration over the years allows us to know and implement their best technical solutions for electrical distribution. Schneider Electric products meet the highest international standards applicable to our production processes."

EcoStruxure™ For Life Sciences

Apps,
Analytics,
& Services

Edge
Control

Connected
Products



EcoStruxure™ Power
SCADA Expert



Transformer
Trihal



Varsset
capacitor
bank



LV
switchboard



MV SM6

[Webpage](#)

Life Is On

Schneider
Electric

Research Institute of Molecular Pathology (IMP), Austria

Energy management for LABs



Customer Challenges

- New technologies facilities incorporation to improve
- energy management & power quality
- Maintenance costs optimization
- Integration of systems from other suppliers
- Needed a solution/Support that help in better decision making and to communicate to stakeholders

Solution

- EcoStruxure™ Power Monitoring Expert
- EcoStruxure™ Resource Advisor
- EcoStruxure™ Power Advisor
- Micrologic, Power meters, Gateways
- On Site Support ½ Year

Customer Benefits

- More efficient use of resources and improved financial performance
- Increased capability for lab research with consistent power
- Growth in Energy management transparency and focus

The Results: Life Is On with...continuous healthy power supply 24x7

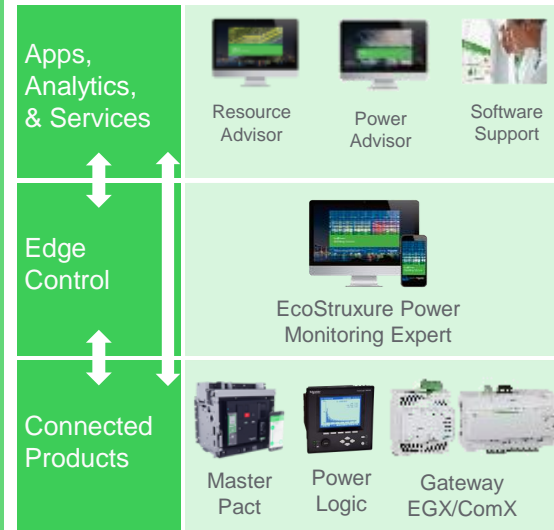
"With the new research building in Vienna we wanted to set standards. I am responsible for ensuring that all facility devices interact perfectly in every season and the labs are perfectly ventilated and tempered 24 hours a day. Above all these requirements, the premise is to focus on energy costs and to constantly improve the current system. Schneider Electric technology helps us get the complexity of the digital world under control and save energy and resources."

Alexander Chlup ,
Head of Facility Management, VIENNA

New

Saving Energy for the FUTURE, Efficient Building Empowering best-in-class molecular research – leading life science center in Europe

EcoStruxure™ For Life Sciences



Success VIDEO

Life Is On

Schneider Electric

Life Is On



Schneider
Electric

