





But we can now predict events

High performance sensors

Protect your most critical asset

Analytics & Al reality

Empower your workforce

Condition-Based Maintenance

Prevent catastrophic failures







The plan



Food for thought

Some questions for self-reflection





EcoStruxure Service Plan for Power & Asset Management

			EcoStruxure Service Plan Power & Asset Management
Features			
24/7 or 5/8 technical remote support			\bigcirc
On-site emergency dispatch			\bigcirc
• A	nnua	I consultative meeting with experts to improve Asset & Power Management	\bigcirc
Electrical Assets	•	24/7 Monitoring & Alarming	\bigcirc
	•	Asset Data Analytics, Environmental Monitoring, Electrical fire index	\bigcirc
	•	On-site Corrective Maintenance Labor & travel included	\bigcirc
	•	On-Site Condition-Based Maintenance: Dynamic scheduling triggered by Maintenance Index	+2 year
Power Management System	•	Monitoring, alarming & control with EcoStruxure™ Power Monitoring Expert or Power Operation Power Management System health monitoring	\bigcirc
	•	Data quality consultancy Electrical health consultancy Alarm health consultancy	2 per year
	•	On-site Preventive Maintenance	2 per year
	•	Software assurance	Optional

Products & System covered

Low & Medium Voltage Equipments such as:

- Transformers
- Circuit Breakers
- Swithgear
- Protection Relays



Energy Management Systems:

- EcoStruxure Power Monitoring Expert
- EcoStruxure Power Operation











How does it actually work?

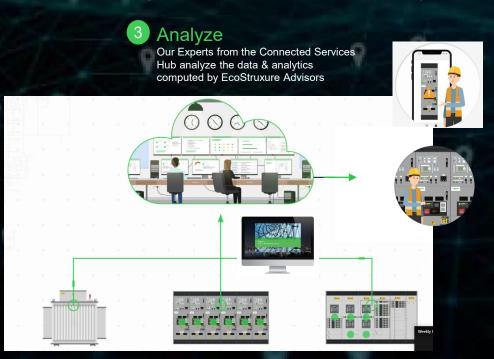
We combine a field & digital services plan to provide you an innovative service plan

2 Monitor

We monitor continously the environmental & health status of the assets and systems

1 Collect

Data is collected from sensors and sent to our Schneider Electric Cloud



4 Notify

In case we detect abnormal behaviour, we'll notify you and propose a mitigation plan if needed

Maintain

If the issue is critical, we'll dispatch a Field Services Representative whenever needed

6 Advice

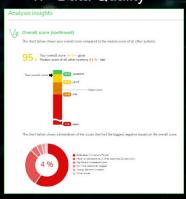
You will get insights and recommendations during a consultative call with our experts



ESP - Power Management

Powerful analytics to improve your Power Management of your facility

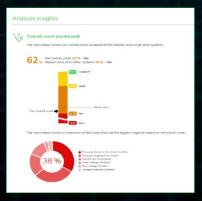
1. Data Quality



2. System Health monitoring



On screen & On phone, Notification of critical issues with corrective actions 3. Electrical network Health



4. Alarm System Health



Establish a trustful data foundation Make informed decision

Ensure uptime of your system We help fix issues rapidly

Avoid unscheduled downtime Reduce Power Factor penalties

Remove excessive alarms
Improve your operator's efficiency





ESP - Asset Management

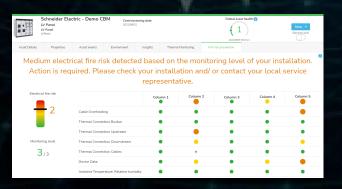
Powerful analytics to improve your Asset Management of your facility

1. Asset Health index



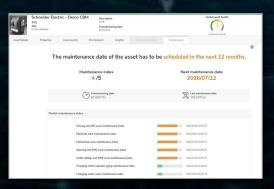
Monitor health status of your assets

2. Fire Prevention index



Mitigate the electrical fire risk in your installation

3. Maintenance index

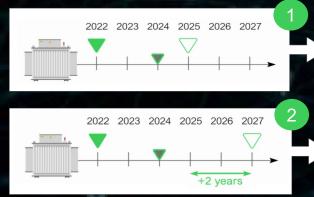


Move from calendar to condition-based maintenance



Condition-Based Maintenance

Enhance your maintenance strategy throught actionable data

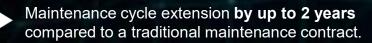


No EcoStruxure Service Plan

Calendar-Based maintenance activities



With EcoStruxure Service Plan



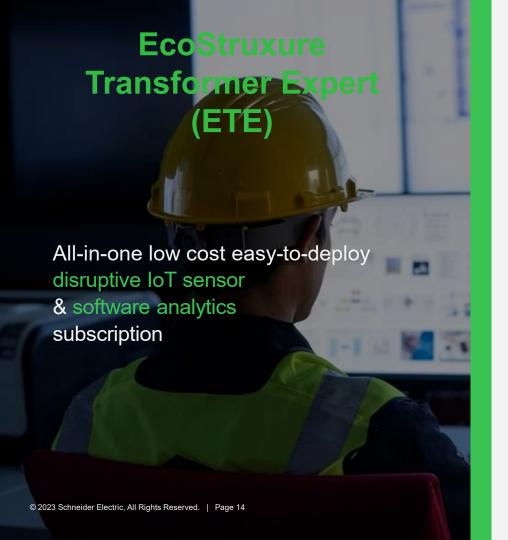


In case of high maintenance index of the asset, an expert calls you for further investigation.

Depending on the maintenance index value, the expert shall propose to re-schedule the next maintenance date in order to prevent failures and avoid downtime.









Innovative patented sensor for oil transformers from all manufacturers

Measuring critical health parameters:

- Discharge via UHF*
- Overheating via Temperature
- Moisture
- Hydrogen













Cloud-based analysis based on the latest research providing operating and aging insights with risk assessment on customized reports













Innovative solution for dry transformers from all manufacturers

Measuring critical health parameters:

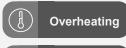
- TF surface Temperature
- TF winding Temperature
- Ambient Humidity & Temperature







Cloud-based analysis based on the latest research providing operating and aging insights with risk assessment on customized reports











The offer



Power Monitoring Expert & Energy HUB

Best Practice Use







- Multi-Site Retailer
- Retail Store
- Restaurant / C
- Offices
- Warehouse
- Hotels
- Shopping Centers
- Residential Tower





Mission Critical

Facilities







- Data Center
- Healthca
- Transportation
- Industrial Manufacturin
- Gov't & Defense

- Oil, Gas & Petrochem
- Mining, Minerals, Metals
- WWW

Renewables

以企匠

- Thermal Power
- Electric Utili





ENERGY HUB



Power Monitoring Expert







Power Operation (SCADA)



Services

Field Services

EcoStruxure Service Plans (Power Advisor, Asset Advisor) & Cybersecurity Services









3 Layers of Ecostruxure



EcoStruxure™ Architecture

Apps, Analytics & Services

End-to-end Cybersecurity

Connected















Cybersecurity Services

Edge Control



































Flexible

to address the key challenges from safety, reliability, sustainability and cybersecurity

Scalable

from small facilities to the largest electro-intensive facilities

Open

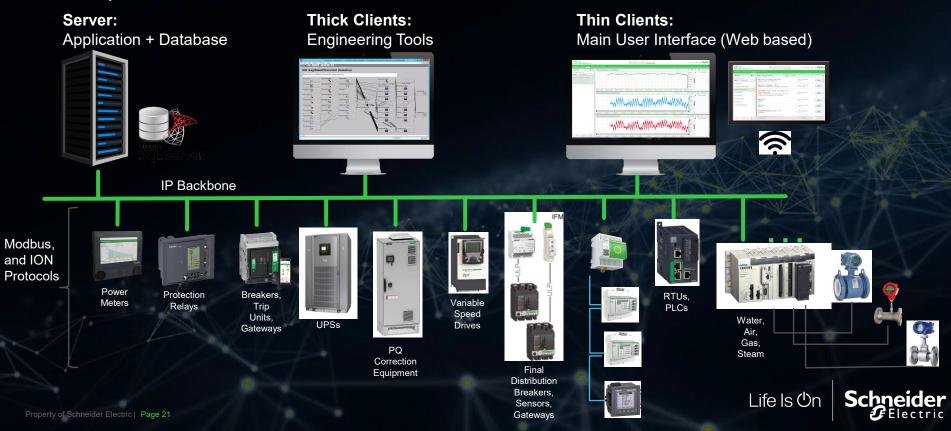
to 3rd party devices and to integration with other operational systems





EcoStruxure Architecture

Simple and Centralized





The way to go



EcoConsult Audit for Power Quality

Maximize power system efficiency



reduced energy losses

Optimize your power consumption and reduce total process energy consumption by reducing CO₂ emissions

reduced utility billing

penalties and lower operating expenses. Good power factor can lower power bills and reduce power losses in transformers and conductors

improved power systems

Boost power quality to improve your business performance by reducing unplanned outages and the reliability of electrical devices across your entire power infrastructure



Your Install Base is OFF Turn it ON!

THANK YOU





Life Is On Schneider