

EcoStruxure™ Building Operation - Energy Expert

Embedded Energy & Power
Management Module





Now you can monitor, measure and optimize your facility's energy network.

EcoStruxure™ Building Operation - Energy Expert

Schneider Electric is the only company to offer a fully embedded building and power management solution that provides a state-of-the-art building management system with insight to your energy usage and the performance of key electrical assets.

The EcoStruxure™ Energy Expert module enhances Building Operation software by improving energy usage and accountability, ensuring power availability and increasing power quality.

EcoStruxure Energy Expert helps you enhance your building's performance throughout its life cycle.

- **Improve energy performance and accountability**
 - Track energy consumption and allocate costs
 - Achieve energy conservation objectives
- **Ensure electrical network health**
 - Monitor electrical equipment and key assets
 - Improve response to power related issues
- **Increase power quality awareness**
 - Understand power factor, harmonics, and voltage disturbances
 - Detect faults and diagnose key electrical problems

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Features at a Glance

- Real time power monitoring and management
- Electrical network fault detection and diagnostics
- Quick response to outages to reduce downtime
- Preventative maintenance of key assets
- Energy management (reports and dashboards)
- Load management
- Electrical network capacity & investment planning

Key Benefits

Track energy consumption and allocate costs

- Measure piped and non-electrical utilities (WAGES)
- Assign costs to customers, departments, floor or area

Achieve energy conservation goals

- Attain green building certification
- Support energy awareness initiatives

Monitor electrical equipment and key assets

- Differentiate between mechanical and electrical power
- Monitor transformers, breakers, PDU, ATS, UPS, generators and capacitor banks

Improve response to power related issues

- Quickly receive power system alarms
- View the critical alarm history sequences by time

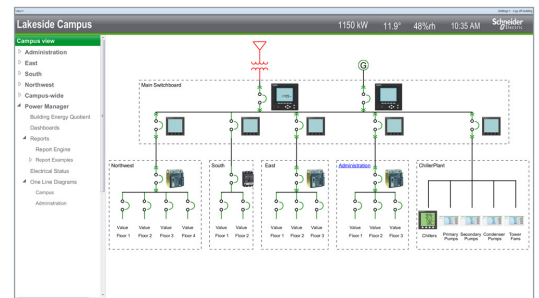
Understand power factor, harmonics, and voltage disturbances

- Reduce power losses
- Prevent equipment damage

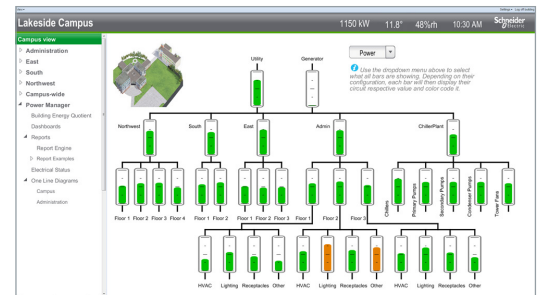
Detect faults and diagnose key electrical problems

- Identify and correct nuisance trips
- Avoid outages while identifying areas for improvement or adjustment

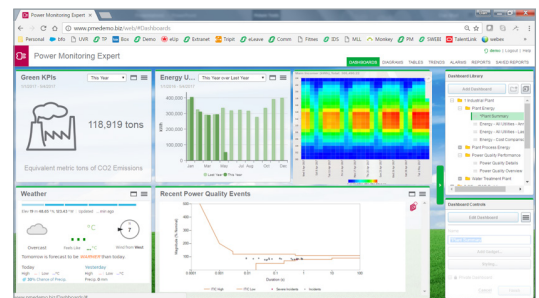
EcoStruxure Energy Expert Dashboards



Electrical One Line Diagram



Electrical Network Health Summary



Energy Dashboards



EcoStruxure™ Building Operation - Energy Expert is certified ISO 50001 compliant

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