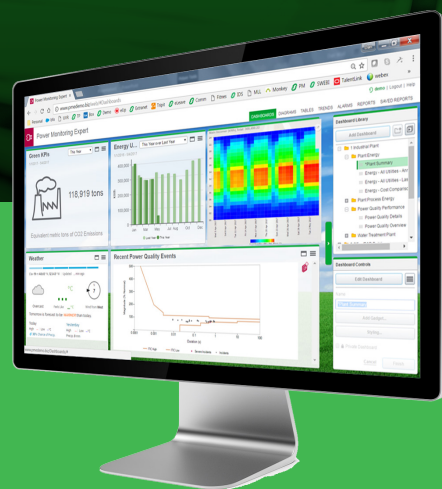


EcoStruxure™  
Innovation At Every Level

# EcoStruxure™ Energy Expert

Embedded Energy & Power  
Management Module



[schneider-electric.com](https://schneider-electric.com)

Life Is On

**Schneider**  
Electric





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

### EcoStruxure™ 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 StruxureWare™ 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

# EcoStruxure Energy Expert

## 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

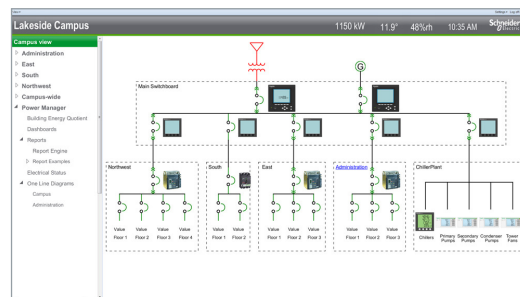
### Understand power factor, harmonics, and voltage disturbances

- Reduce power losses
- Prevent equipment damage

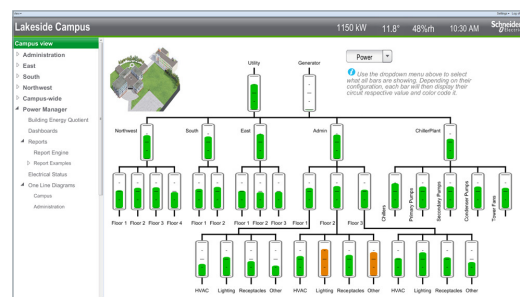
### Detect faults and diagnose key electrical problems

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

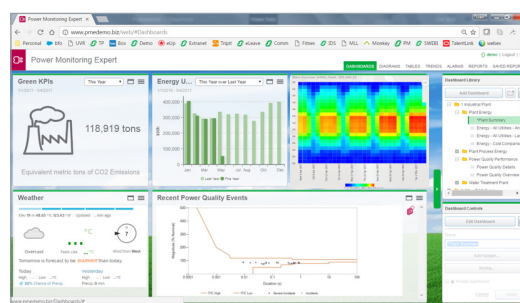
## Power Manager Dashboards



Electrical One Line Diagram



Electrical Network Health Summary



Energy Dashboards



StruxureWare™ Building Operation with EcoStruxure™ Energy Expert is certified ISO 50001 compliant

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For more information visit [schneider-electric.com](http://schneider-electric.com) or  
contact your local Schneider Electric representative.

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