



# ECOSTRUXURE™ BUILDING OPERATION - ENERGY EXPERT

## EMBEDDED ENERGY & POWER MANAGEMENT MODULE

### 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.



### NOW YOU CAN MONITOR, MEASURE AND OPTIMIZE YOUR FACILITY'S ENERGY NETWORK

- » **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



## 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

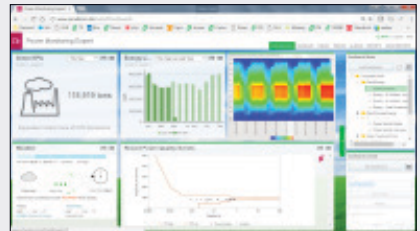
## ECOSTRUXURE ENERGY EXPERT DASHBOARDS



*Electrical One Line Diagram*



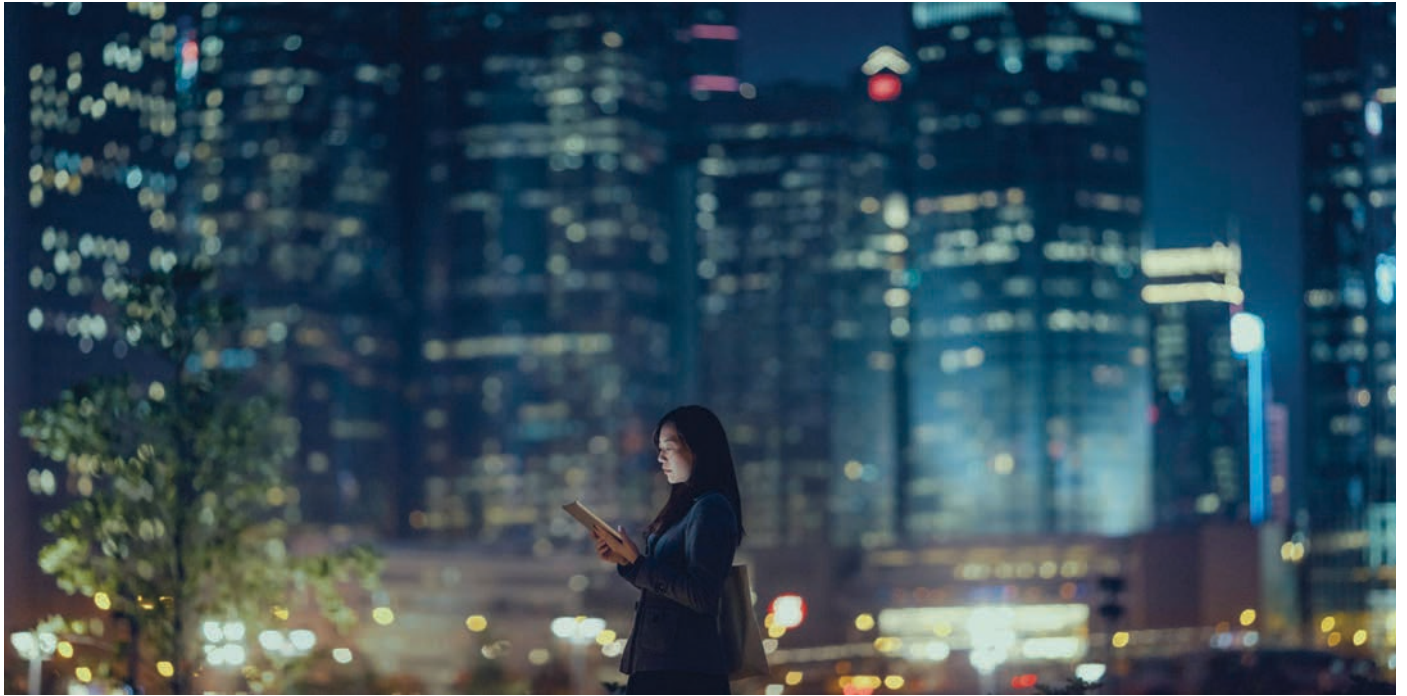
*Electrical Network Health Summary*



*Energy Dashboards*



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



**FOR MORE INFORMATION CONTACT  
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CM3 Building Solutions is a Master EcoXpert of Schneider Electric