



EcoStruxure Power delivers international efficiency.

Innovative energy management increases comfort and efficiency in a global hotel chain.

EcoStruxure™

Innovation At Every Level

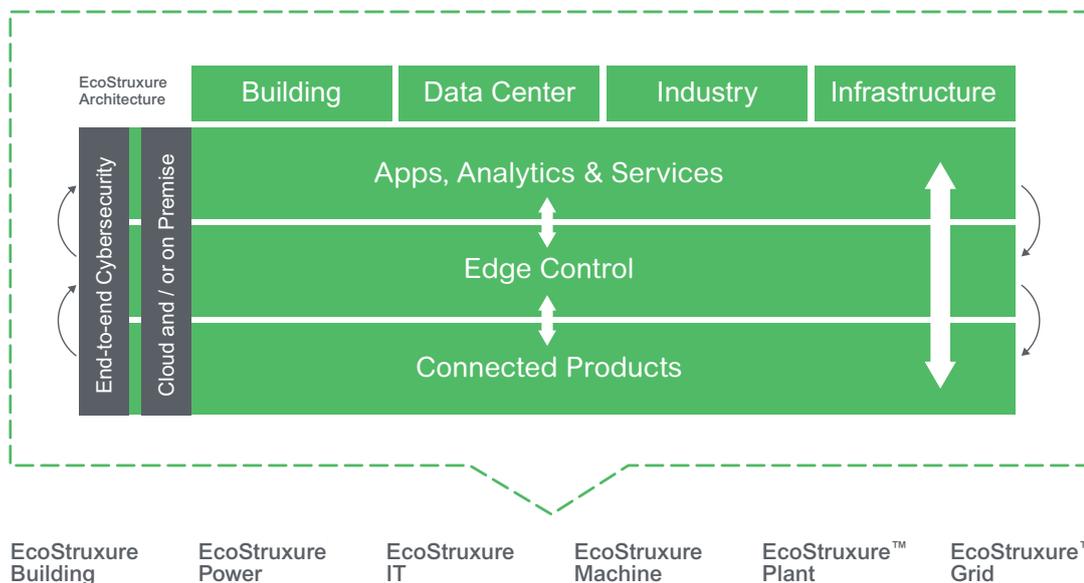
IoT-enabled solutions that drive operational and energy efficiency

EcoStruxure™ is Schneider Electric’s open, interoperable, IoT-enabled system architecture and platform.

EcoStruxure delivers enhanced value around safety, reliability, efficiency, sustainability, and connectivity for our customers.

EcoStruxure leverages advancements in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver Innovation at Every Level including Connected Products, Edge Control, and applications, analytics and services. EcoStruxure has been deployed in 450,000+ installations, with the support of 9,000 system integrators, connecting over 1 billion devices.

One EcoStruxure architecture, serving four end markets with six domains of expertise



Connected Products

The Internet of Things starts with the best things. Our IoT-enabled best-in-class connected products include breakers, drives, UPSs, relays, sensors, and more. Devices with embedded intelligence drive better decision-making throughout operations.

Edge Control

Mission-critical scenarios can be unpredictable, so control of devices at the edge of the IoT network is a must. This essential capability provides real-time solutions that enable local control at the edge, protecting safety and uptime.

Apps, Analytics & Services

Interoperability is imperative to supporting the diverse hardware and systems in building, data center, industry, and grid environments. EcoStruxure enables a breadth of agnostic applications, analytics, & services for seamless enterprise integration.

Find out more about EcoStruxure.

schneider-electric.com/ecostruxure

Delivering efficiency to hotel operations

Hotels have an enormous opportunity to save energy through connectivity and intelligent IoT systems. The key is choosing technologies that boost operational efficiency while also maintaining and improving guest comfort.

The world-class hotel chain in this use case chose Schneider Electric's innovative Smart Panels solution for just those reasons. A connected solution within the EcoStruxure Power architecture, Smart Panels now help the hotel chain proactively address guest comfort needs while optimizing energy consumption.

The results? Read on ...





Say hello to Smart Panels

Now, your electrical panel is your partner. As an EcoStruxure Power solution, Smart Panels actively assist you in saving energy, avoiding downtime, and increasing operational efficiency.

Monitor and control a single breaker or an entire low voltage system. Smart Panels allow you to manage all your electrical distribution assets, even if they're in different locations across a campus or around the globe. You can monitor energy information as well as physical properties, including trip status, cycle count, and contact wear indicators.

Smart Panels energy and asset monitoring technology

Measure

Monitor power usage, power quality, and asset status, and discover opportunities to save energy.

Connect

Because Smart Panels connect via Ethernet, they use minimal bandwidth and allow you to monitor your building in real time.

Act

Comprehensive data and detailed email alerts help you proactively increase operational efficiency, energy efficiency, reliability, and safety.

Increased comfort and safety for guests

Hotels are dynamic, ever-changing environments, so everyone benefits when potential energy problems can be caught and addressed proactively.

Using an EcoStruxure Power solution, hotel management can increase the comfort and safety of their guests. They can now respond to potential problems in real time because Smart Panels send them instant alerts and detailed notifications.

Goal

- Monitor customer comfort across all properties
- Optimize energy and fluid consumption to save money and enable green marketing
- Boost guest health and safety protections
- Ensure regulatory compliance

Story

A large hotel chain with more than 1,000 properties in 59 countries wanted to save energy, optimize their operations, and improve guest satisfaction.

Solution

Install Smart Panels, an EcoStruxure Power solution for proactive energy and asset management.

Results

- Increased comfort and safety for guests
- 24/7 access to energy consumption data
- Constant optimization and increased efficiency as best practices are shared across properties

24/7 data and insight

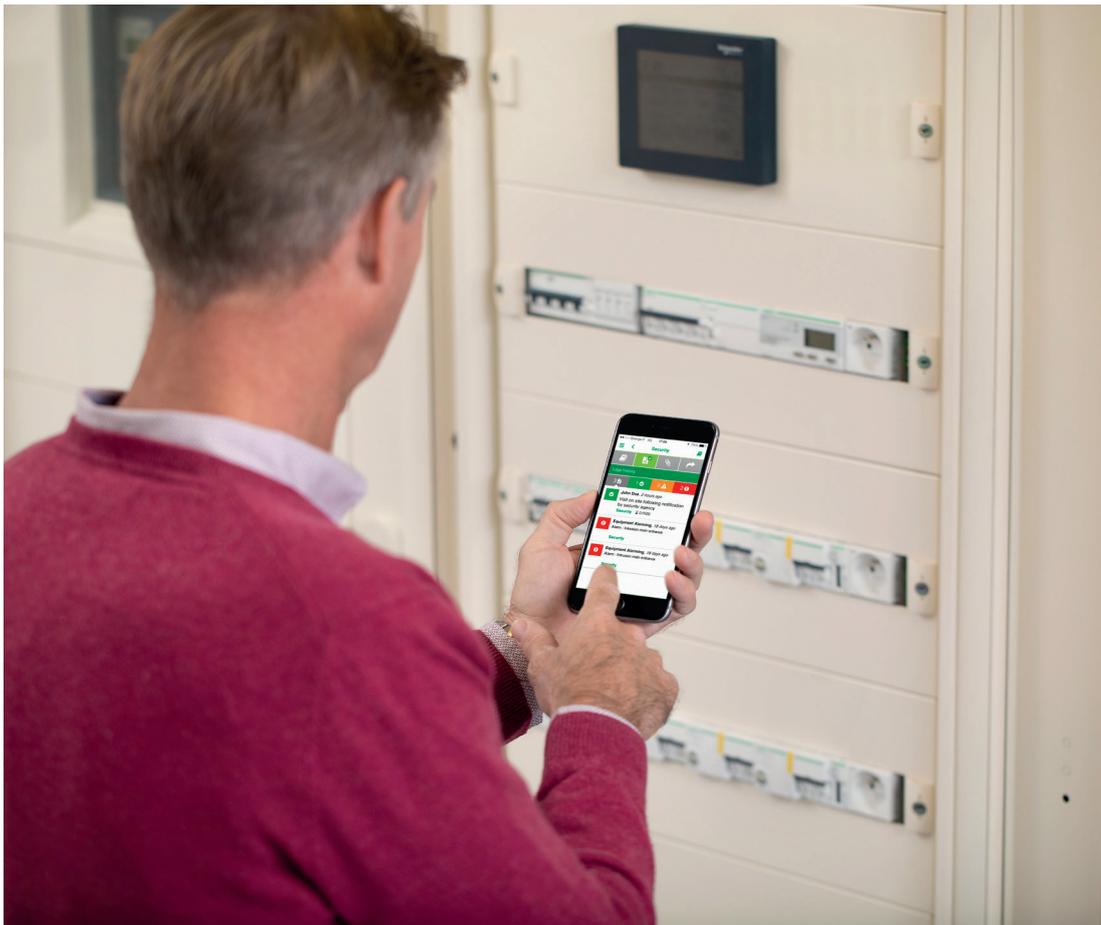
Increased comfort and safety for guests

With EcoStruxure Power, hotel managers and personnel now have full-time access to energy consumption details. The entire staff is informed about energy and water savings, and the system flags abnormal consumption, providing data about:

- Heating and air conditioning systems
- Air temperature and humidity on each floor
- Cooking and dishwashing equipment
- Food freezers and refrigerators
- Guest room temperatures
- Hot water temperature
- General lighting status

Worldwide efficiency

Equipped with data and insight provided by EcoStruxure Power, hotel managers gather every quarter, meeting with corporate directors to share best practices and compare improvements. And in each hotel, screens inform guests of environment friendly behaviors and display recent resource savings achieved thanks to their support and awareness.



“We decided to equip a pilot site with solar water heating. By relating its energy consumption to the other sites, we could calculate the savings and payback, and decide upon investing in this equipment for other sites.”

— Hotel Manager

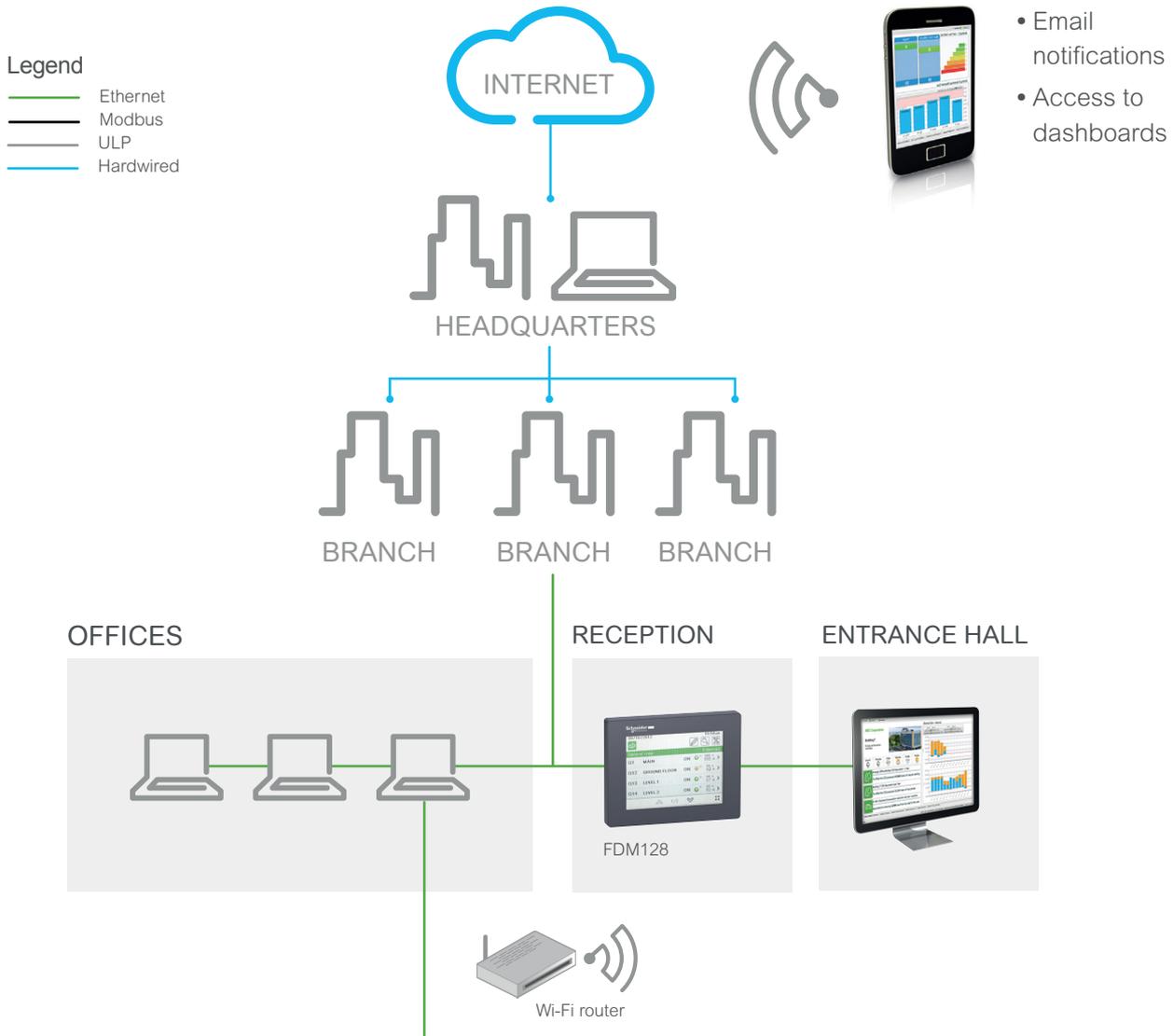
“We regularly had penalties from energy providers. The rated power was exceeded every day for some minutes, when all rooftop units were starting.”

— Hotel Director

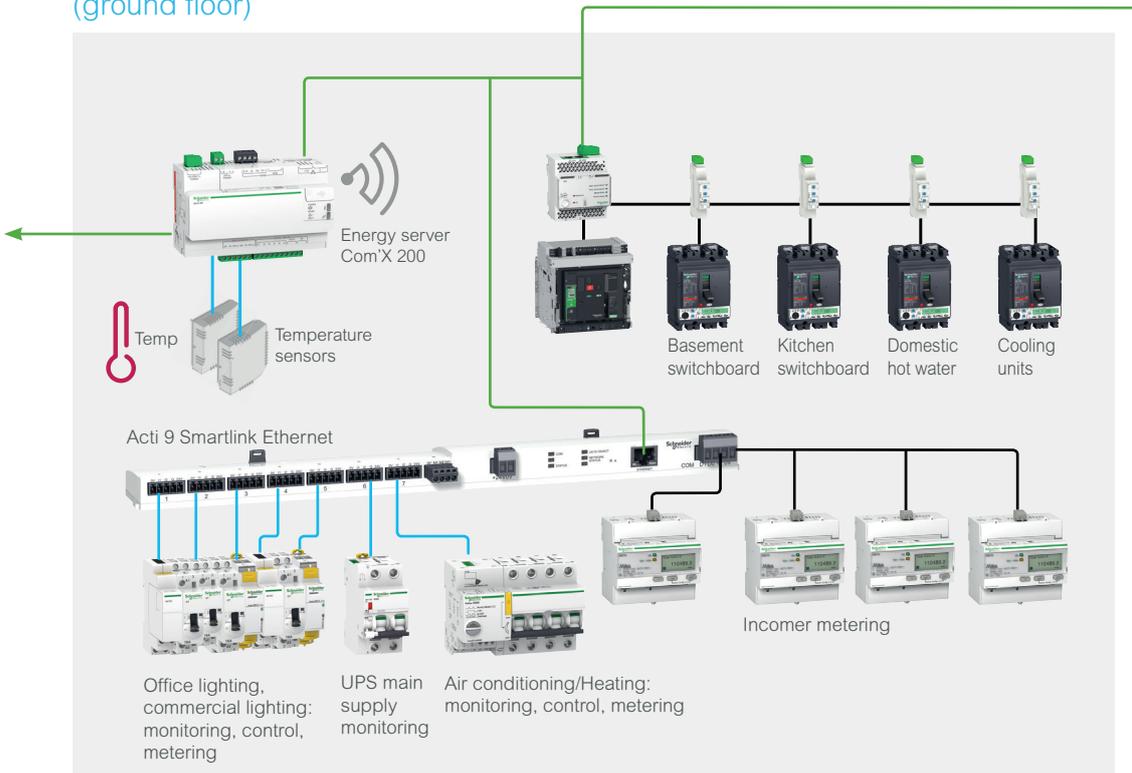
Smart Panels System Architecture

Smart Panels is an Ethernet-connected EcoStruxure solution for power distribution. It gives your electrical equipment the ability to communicate directly to you.

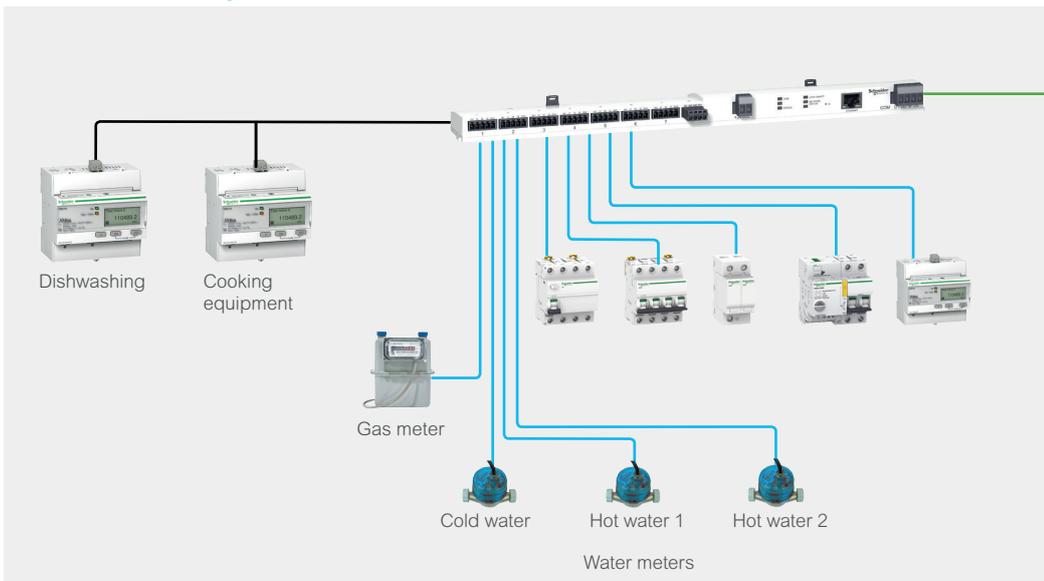
Instead of spending hours or days gathering the information you need, data arrives in real time on your computer or smart device. Pinpoint overloads and inefficiencies proactively, make informed decisions that improve operational efficiency, and finally stop chasing vague alarms.



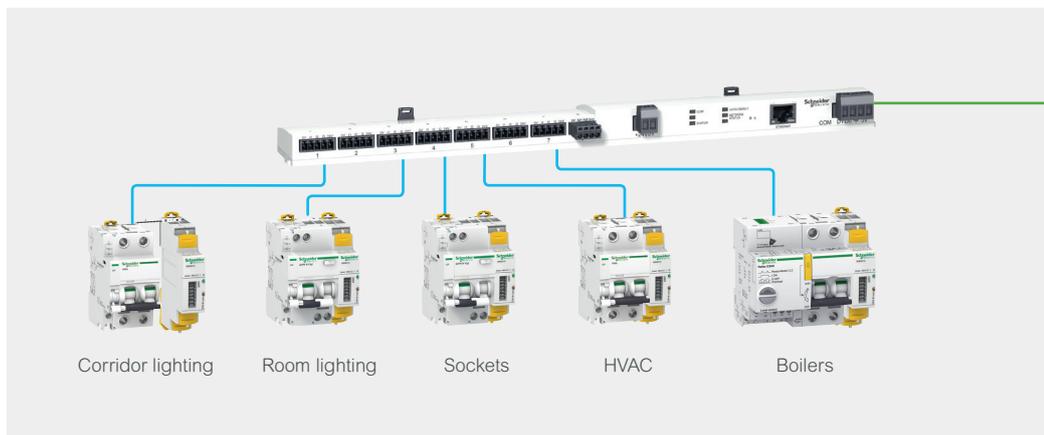
Main switchboard (ground floor)



Kitchen & laundry



Guest floor

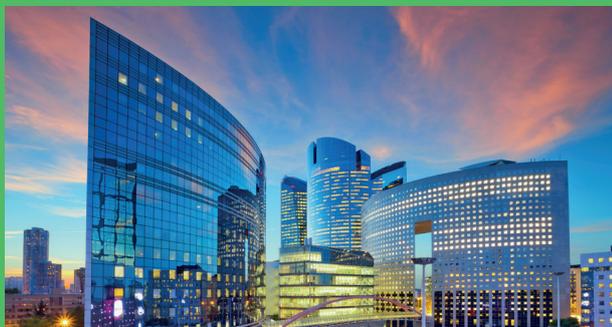


“Most surprising was how each local electrical contractor could replicate and connect the system in each hotel, without much technical coordination.”
 — Corporate Energy Officer

Learn More



Discover EcoStruxure



Learn more about EcoStruxure Power



See how EcoStruxure Power empowers Nemour's Children's Hospital



Contact us to start your journey

Want to learn more about Smart Panels?

schneider-electric.com/smart-panels

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