

EcoStruxure™  
Energy Hub

# Simple energy management for sustainable buildings

EcoStruxure™ Energy Hub

Life Is On

Schneider  
Electric

se.com

# Building Sustainability – A global imperative

Energy Management Software unites sustainability and business goals



## Energy Crisis & Inflation

Rising energy costs due to geo-politics and inflation are making energy efficiency more needed than ever



## Building Decarbonization

Buildings represent ~30% of global final energy use and 40% of CO<sub>2</sub> emissions<sup>1</sup>



## Energy Regulations

Building energy code requirements are in place in 80 countries and will continue to expand to meet global energy targets<sup>1</sup>



## Digital Transformation

Digitization is the fastest way to drive change, and cloud solutions are more broadly available and more secure than ever

## Building Energy Management Software drives real savings potential<sup>2</sup>

**5-10%**

savings with awareness and behavior changes

**10-30%**

savings with active energy conservation efforts through monitoring, acting, validation and adaptation

With Building Energy Management Software and an energy strategy

**Typical ROI is over 100%**

..with typical payback in less than 2 years

<sup>1</sup> [International Energy Agency](#)

<sup>2</sup> Various sources: Schneider Electric customer observations. [ACEEE](#) and [case study research Zhiqiang Zhang & Andrea Salazar](#)



# Table of Contents



# Unlock Building Energy Performance and Sustainability with EcoStruxure Energy Hub

EcoStruxure Energy Hub is a purpose-built building energy management system designed to simply and effectively raise energy awareness and drive energy performance in buildings.

Achieve your energy and sustainability results, while maximizing the efficiency and resilience of your energy infrastructure.





Helping to achieve your sustainability and business goals...  
...by gaining energy awareness, driving building energy performance and optimization

## Energy Awareness



Energy Awareness &  
Code Compliance

**5-10%**  
potential savings

## Energy Performance



Energy Performance  
Analysis



Energy  
Accounting



Real-time  
monitoring

**Up to 30%**  
or more potential savings

Flexible and scalable building energy management aligned with your sustainability and business goals



# Raise Energy Awareness and Comply with Building Energy Codes



Energy  
Awareness

Gain energy awareness to help fix the basics in your sustainability initiatives.

- Increase visibility into energy usage with site-level and submetering data
- Benchmark top energy consumers of energy by site, building, floor, area, etc.
- Collect and visualize energy data by load type
- Measure and visualize energy usage intensity and peak demand
- Store energy data for 36 months or more



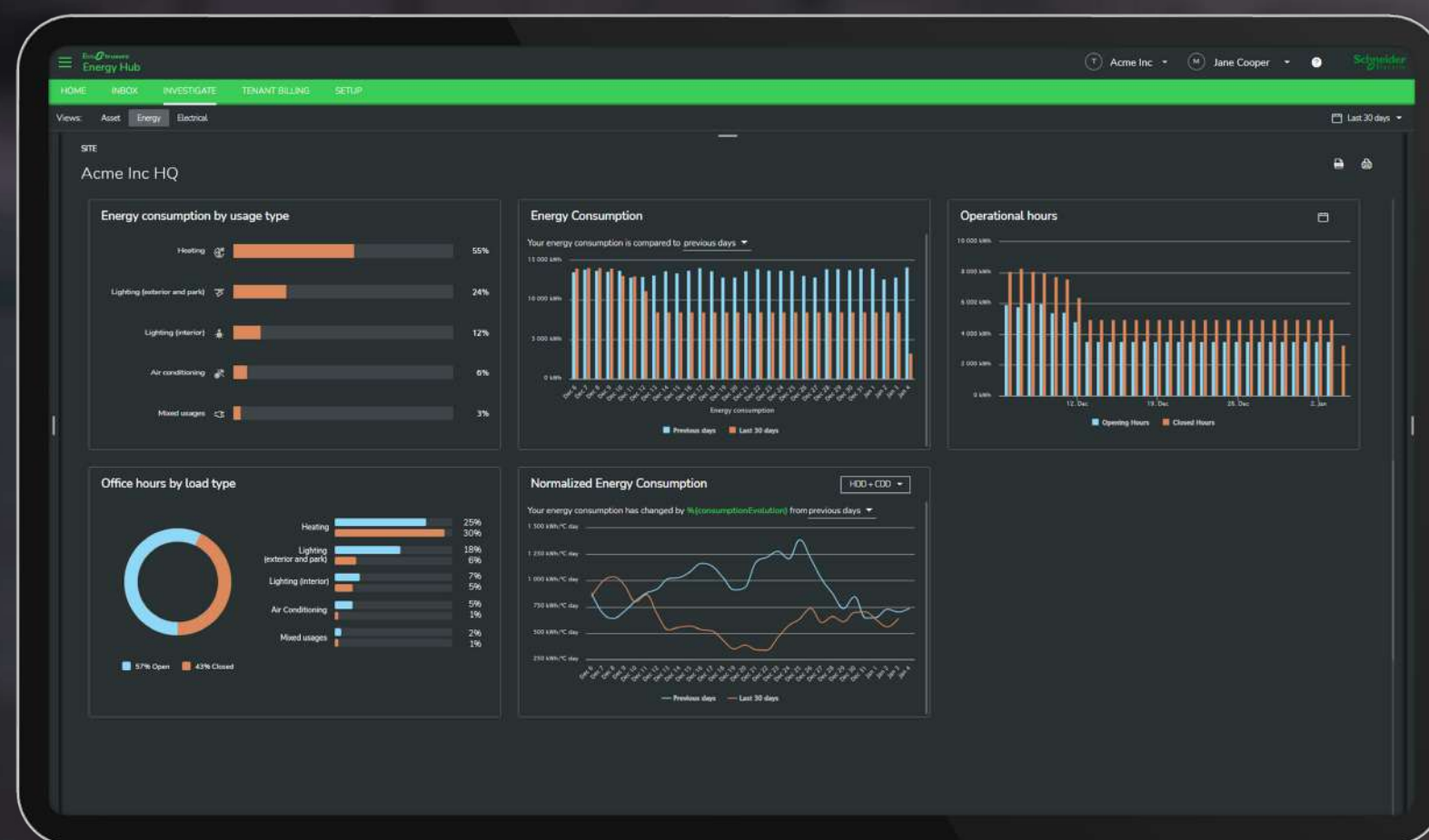
# Analyze energy usage to reduce waste



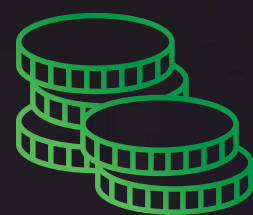
Energy  
Performance

Analyze energy usage and drive energy and sustainability programs.

- Monitor multiple utilities usage (water, air, gas, electricity, and steam)
- Normalize energy usage by surface area, heating and cooling degree days and more
- Compare energy usage to previous periods or open/closed hours



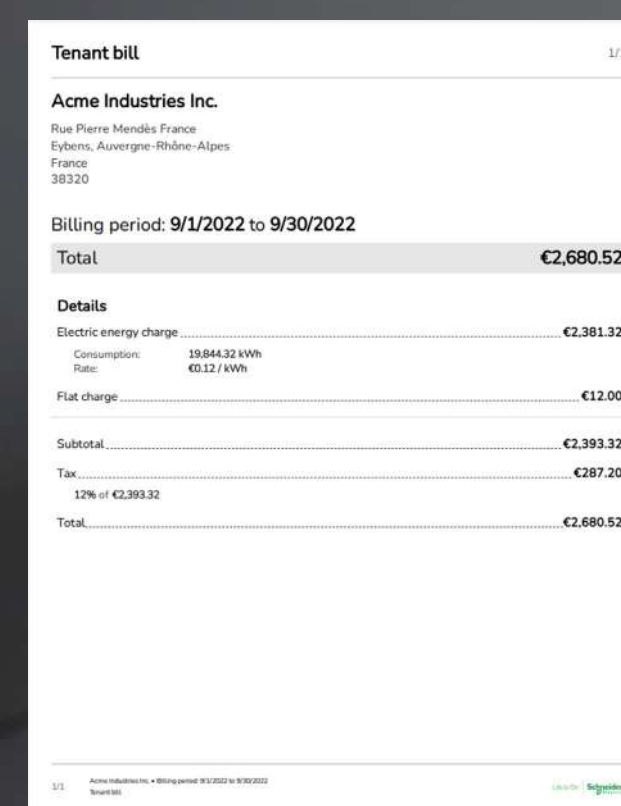
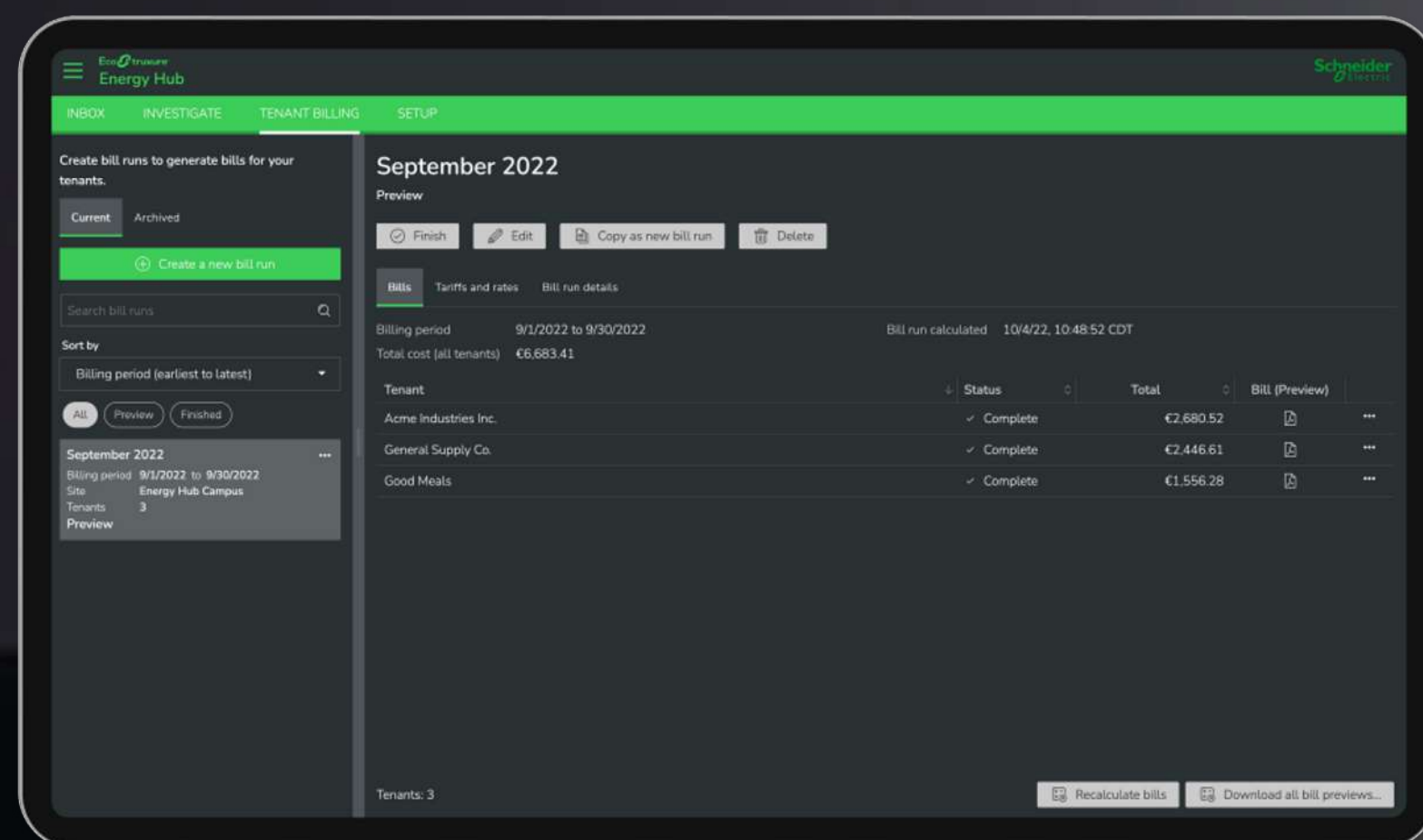
# Drive Energy Accountability with Building Tenants



Energy  
Performance

Create accountability with building tenants for a holistic sustainability approach.

- Configure simple rates to calculate internal energy costs
- Allocate energy usage & costs to building tenants or departments
- Generate tenant energy bill and export to PDF for easy tenant invoicing



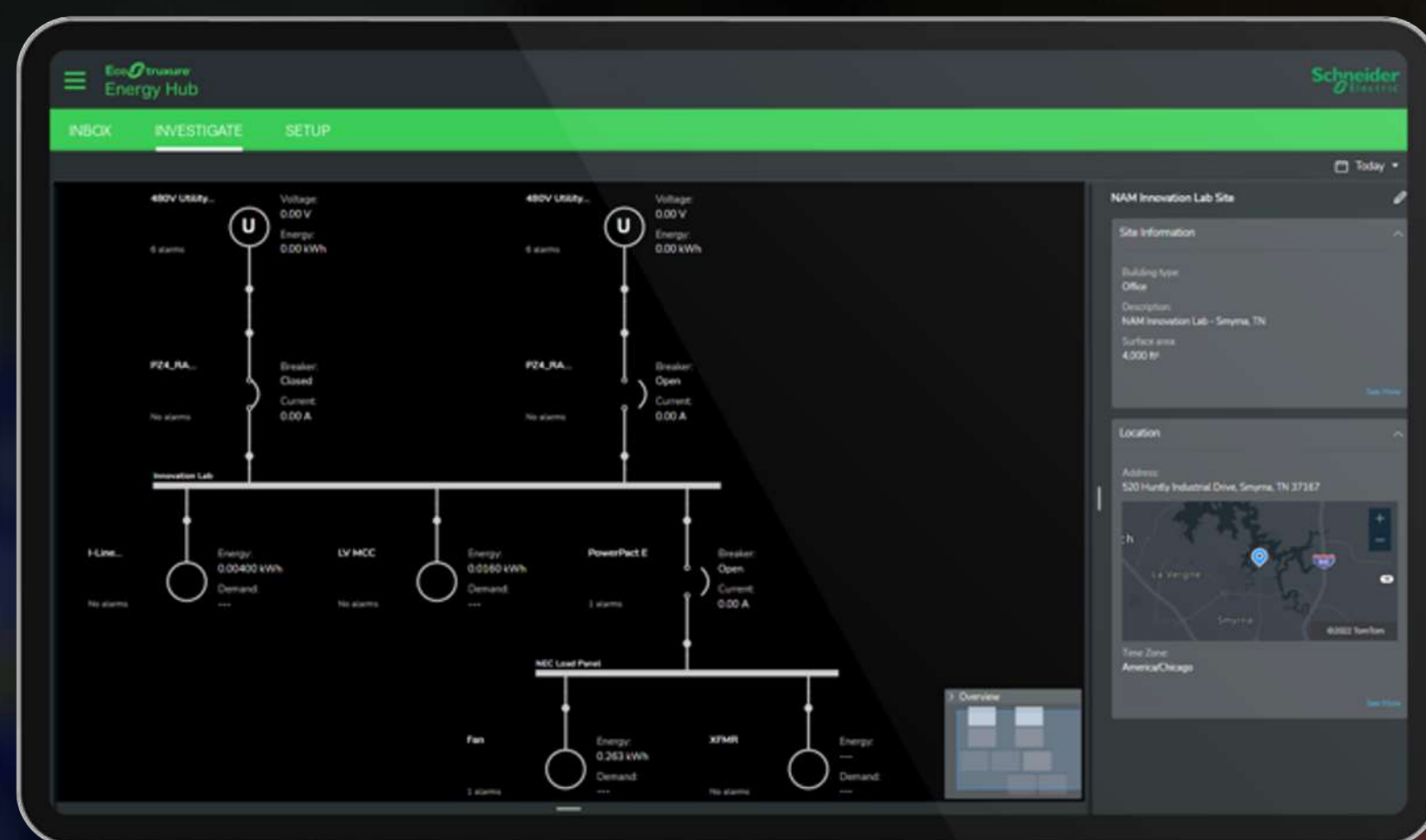
# Ensure resilient building energy infrastructure



Energy  
Performance

Sustainable buildings need reliable and efficient energy to thrive.

- Monitor live status of building electrical system.
- View real-time data and alarms in context through a digital one-line diagram
- View, investigate and acknowledge alarms with a native iOS or Android app
- Receive alarm notifications by mobile app or email.



## Simple Building Energy Management for all stakeholders – without compromise

EcoStruxure Energy Hub is a purpose-built building energy management system designed to simply and effectively raise energy awareness and drive energy performance in buildings.

Get started in hours, not days, and have peace-of-mind that your data is secure all along your building's operational lifecycle.



# Perfect for all building stakeholders



For **design firms and contractors**, EcoStruxure Energy Hub provides a simple, cost-effective way to meet building energy requirements and manage increasingly complex building electrical systems.



For **System Integrators and Facility Maintenance & Operations Service Providers**, EcoStruxure Energy Hub allows you to monitor, receive alerts and analyze your end user sites and provide insights to optimize facility performance.



For **building owners, facility and property management companies**, EcoStruxure Energy Hub helps increase operational and energy efficiency without the burden of installing and owning on-premise software systems.

Commercial Buildings

Retail

Schools & Campuses

Health Clinics

Light Industrial

Multi-tenant Residential

Up to  
**25%**  
CAPEX

Up to  
**50%**  
OPEX

Minimize Total Cost  
of Ownership with  
EcoStruxure Energy Hub\*

\*Calculated based on the average cost of traditional on-premise system projects



# Fast to deploy

Simply connect to your energy infrastructure with our EcoStruxure Panel Server or Site Server to automatically collect, store, visualize and report on your energy data.

- No software to install or maintain
- Validated device-to-cloud integration for simple discovery and configuration
- Drag-and-drop configuration
- Automatic dashboard creation
- Flexible single or multi-site organization model



minimum deployment savings  
compared to traditional on-premise  
BMS or EMS

\*Calculated based on the average time required for traditional on-premise system projects



# Pain-free to maintain, easy to use

Benefit from a modern, web and mobile based application.

- No need to install a dedicated software server and operating system.
- Minimal IT setup to connect to the application.
- Automatic backups, software patches, security and feature updates with regular software releases – no intervention required.
- Minimize CAPEX, shift to OPEX
- Just connect to the application from any web browser or mobile app



up to 50%\* reduction in  
software-related OPEX costs

\* Calculated based on the average cost of traditional on-premise system projects

Access through any  
web browser



Find the mobile app on the  
**Apple App Store or Google  
Play Store**



# Cybersecurity & data privacy

Schneider Electric strongly supports the fundamental rights to privacy and data protection as well as compliance with national and international privacy laws.

EcoStruxure Energy Hub is developed in accordance with Secure Development Lifecycle 2.0 procedures for cybersecurity and data privacy best practices.

- Role-based user access
- Compliance with GDPR & other Data Privacy regulations
- Encryption of data in transit and at rest
- Use of HTTPS for communication between edge and cloud
- Authentication of device genuineness
- Hosted in a secure ISO27001 certified data center

EcoStruxure Site Server and EcoStruxure Panel Server are compliant to requirements in international cybersecurity standards.

- ISA / IEC 62443 4-1 for secure product development lifecycle
- ISA / IEC 62443 4-2 for technical security of system components



## Data Privacy and Protection Policy

[Our data privacy policy statement](#)  
[Cybersecurity data protection](#)



## Secure Development and Hosting

[Access Microsoft's Trust Center](#)



## Secure Connectivity



EcoStruxure  
Site Server



EcoStruxure  
Panel Server



Scan  
to view



[Panel Server  
Cybersecurity  
Guide](#)



# Expert Support Where and When You Need it

The most comprehensive partner network in the world to support your sustainability goals



EcoXpert has been recognized as a [5-star Partner Program](#) for six years running.

24/7 Online Community and Technical Support

A screenshot of the EcoStruxure Energy Hub Technical Community forum page. The page header includes the 'Life Is On | Schneider Electric' logo and navigation links for 'Community Home' and 'Forums'. The main heading is 'EcoStruxure Energy Hub Technical Community'. Below this, a paragraph states: 'This forum is dedicated to supporting EcoStruxure Energy Hub service providers and partners with system implementation, reporting skills growth, and in demonstrating profitable improvements in monitored sites. Ask questions, get expert answers and the latest offer news, provide feedback and share community experience and knowledge!'. At the bottom, there is a link: '[EcoStruxure Energy Hub community](#)'.

Life Is On | Schneider Electric

Community Home Forums

## EcoStruxure Energy Hub Technical Community

This forum is dedicated to supporting EcoStruxure Energy Hub service providers and partners with system implementation, reporting skills growth, and in demonstrating profitable improvements in monitored sites. Ask questions, get expert answers and the latest offer news, provide feedback and share community experience and knowledge!

[EcoStruxure Energy Hub community](#)



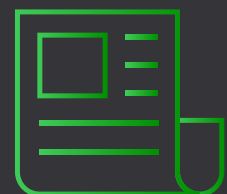
Go Further with EcoStruxure Energy Hub



# Additional Resources to Learn More About Energy Hub



[Website](#)



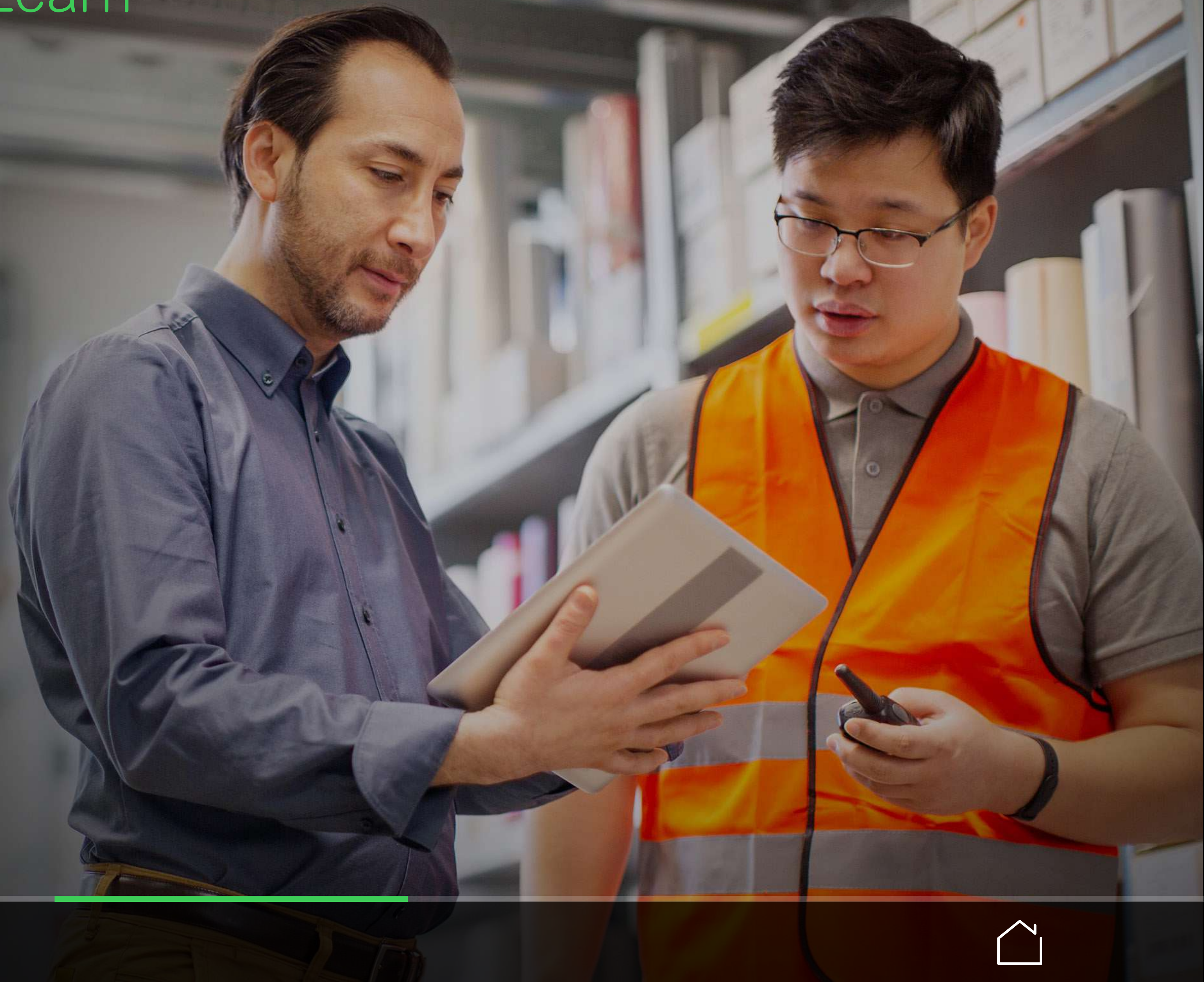
[Press Release](#)



[Overview Video](#)



[Software Data Sheet](#)



# Innovation at every level

EcoStruxure is Schneider Electric's IoT-enabled, plug-and-play, open, interoperable architecture and platform that unites Power and Building Management with connected devices, edge control software and digital services for enhanced productivity and improved resilience.



## Safe

Helps ensure safe delivery and operation of clean, reliable power systems.



## Available

Enhance electrical asset management and avoid electrical downtime.



## Cybersecure

Helps ensure resilience to cyber threats that impact business operations.



## Sustainable

Helps improve sustainability and resiliency while reducing costs.

### Apps, Analytics & Services

[EcoStruxure Service Plan >](#)

[EcoStruxure Power Advisor >](#)

[EcoStruxure Asset Advisor >](#)

### Edge Control

[EcoStruxure Power Automation System >](#)

[EcoStruxure Power Operation >](#)

[EcoStruxure Power Monitoring Expert >](#)

[EcoStruxure Panel Server >](#)

### Connected Products

[Protection Relays >](#)

[Wireless Power Meters >](#)

[Advanced Metering >](#)

[Power Quality Correction >](#)

[Basic Metering >](#)



Life Is On

**Schneider**  
Electric

se.com

**Schneider Electric**

35 rue Joseph Monier

92500 Rueil-Malmaison, France

Tel : +33 (0)1 41 29 70 00

