



EcoStruxure™ Energy Hub

EcoStruxure TM Energy Hub helps building owners, operations and maintenance to address the latest energy codes and standards, achieve sustainability goals and manage increasingly essential building energy systems. Designed to be easy to deploy, easy to use and easy to achieve results, EcoStruxure Energy Hub automatically connects, stores, visualizes, reports, and alarms on your data. Easily manage the total cost of ownership of your energy management system with low up-front and maintenance costs with EcoStruxure Power's cloud-based Software-as-a-service architecture with automatic updates and seamless upgrades.

Connectivity options

EcoStruxure Energy Hub connects to power and energy meters, sensors, intelligent breakers and relays through the EcoStruxure Site Server and EcoStruxure Panel Server to enable seamless and fast setup, end-to-end security and scale - from a single site to multi site applications.

Accessible through web or mobile app

EcoStruxure Energy Hub is a modern cloud based web application accessible through all modern browsers. Access the application through the iOS and Android mobile app available on the Apple Store and Google Play.

Cybersecurity capabilities

EcoStruxure Energy Hub is developed according to best practices for cyber security and data privacy:

- In accordance with Secure Development Lifecycle 2.0 procedures, and in a location certified to IEC62443
- · Role-based user access
- Compliance with GDPR
- Use of HTTPS for communication between edge and cloud
- · Encryption of data in transit and at rest
- · Device genuineness authentication for all cloud-connected devices







Energy insight at your fingertips

EcoStruxure Energy Hub is a modular platform allowing users to select only the module features they need, nothing more, nothing less. Users receive updates automatically with their subscription and can upgrade to additional modules at any time to be connected to the service.

A . "	Energy Awareness		Energy Performance	
Available Features and Functionality	Energy Code Compliance	Energy Performance Analysis*	Tenant Energy Billing	Electrical Distribution Monitorir & Alarming
Energy Codes, Standards and Certifications				
Track Energy Consumption in accordance with ASHRAE 90.1	•	•		
Frack Energy Consumption in accordance with IECC (2019)	•	•		
Frack Energy Consumption in accordance with California Title 24	•	•		
Frack Energy Consumption in accordance with LEED	•	•		
Energy Conservation and Sustainability				
Collect and Store Interval Energy Data to 15min resolution (or less*Note 1)	•	•		
Rank and Compare Energy use across sites (by Site, Building, Floor, Area)	•	•		
Frack Energy Usage by Load Type (by Site, Building, Floor, Area)	•	•		
Frack Energy Intensity KPIs (kWh / area)	•	•		
/iew and Aggregate Energy Consumption by hour, day, week, month, year	•	•		
/irtual Device Support	•	•	•	
Export Energy Data to .CSV (down to meter level)	•	•		
Export Energy Dashboards to PDF	•	•		
Export Energy Data via API	•	•		
Period over Period Comparison	_	•		
Energy Data Normalization by Open/Closed Hours		•		
Energy Data Normalization by Weather (CDD/HDD)		•		
Multi-Site comparison based on Energy KPIs (Energy Intensity, etc)		•		
Configurable Energy Usage Threshold Alerts		•		
Energy Alarm Notifications via Mobile App	•	•		
Energy Alarm Notifications via Mobile App	•	•		
••	_	•	_	
Energy Cost Management		•		
Peak Demand Trending	•	•		
Frack Energy Cost by Load Type (by Site, Building, Floor, Area)	•	•		
Fenant Billing				
Fenant configuration and energy allocation			•	
Simple Energy Rate Configuration (Cost/kWh)			•	
Peak Demand Charge Configuration			•	
Fenant Bill Generation on Selected Date Range			•	
Export Tenant Energy Bill to PDF			•	
Electrical Network Management				
Monitoring of Main Incomer Switchboard/Panelboard				•
Monitoring of Main Incomer, Feeders, Loads, Assets, Equipment				•
Live Electrical / Equipment status (V, I, kVa, PF, Freq., kW)				•
Electrical / Equipment Status Trending (V, I, kVa, PF, Freq., kW)				•
Circuit Breaker Status Indication				•
Onboard Electrical Device Alarms				•
Software-Defined Electrical Alarms				•
Electrical Alarm Notifications via Mobile App				•
Electrical Alarm Notificaitons via Email*Note 2				•
Personalized Alarm Inbox				•
				•
Share Alarm Details from Mobile App (to email, message, Slack, Teams,				
Alarm Acknowledgement and Comments with Audit Trail Share Alarm Details from Mobile App (to email, message, Slack, Teams, etc) Asset Summary Alarm				•
Share Alarm Details from Mobile App (to email, message, Slack, Teams, etc) Asset Summary Alarm				•
Share Alarm Details from Mobile App (to email, message, Slack, Teams, etc) Asset Summary Alarm Automatic Aggregation of Alarm Status (by Site, Building, Floor, Area)				
Share Alarm Details from Mobile App (to email, message, Slack, Teams, etc) Asset Summary Alarm				•

Note 1: Interval logging depends on device capabilities and configuration

*"Energy Performance Analysis" module.

Subscription Modules

EcoStruxure Energy Hub module part numbers are determined based on the number of IoT power and energy device credits and the subscription term. Module subscriptions can be purchased through Schneider Electric's local front office or through an affiliate partner.

Module / Bundle	Part number	Description
Energy Code Compliance	PSWEOECCALT12A	Energy Code Compliance Module - 1 Year - 1 Device Credit
	PSWEOECCALT36A	Energy Code Compliance Module - 3 Years - 1 Device Credit
	PSWEOECCALT12C	Energy Code Compliance Module - 1 Year - 10 Device Credits
	PSWEOECCALT36C	Energy Code Compliance Module - 3 Years - 10 Device Credits
Electrical Distribution Monitoring & Alarming	PSWEOEDMALT12A	Electrical Distribution Monitoring & Alarming Module - 1 Year - 1 Device Credit
	PSWEOEDMALT36A	Electrical Distribution Monitoring & Alarming Module - 3 Years - 1 Device Credit
	PSWEOEDMALT12C	Electrical Distribution Monitoring & Alarming Module - 1 Year - 10 Device Credits
	PSWEOEDMALT36C	Electrical Distribution Monitoring & Alarming Module - 3 Years - 10 Device Credits
Tenant Energy Billing	PSWEOTENBLT12A	Tenant Energy Billing Module - 1 Year - 1 Device Credit
	PSWEOTENBLT36A	Tenant Energy Billing Module - 3 Years - 1 Device Credit
	PSWEOTENBLT12C	Tenant Energy Billing Module - 1 Year - 10 Device Credits
	PSWEOTENBLT36C	Tenant Energy Billing Module - 3 Years - 10 Device Credits
Energy Performance Analysis	PSWEOENUALT12A	Energy Performance Analysis - 1 Year - 1 Device Credit
	PSWEOENUALT36A	Energy Performance Analysis - 3 Years - 1 Device Credit
	PSWEOENUALT12C	Energy Performance Analysis - 1 Year - 10 Device Credits
	PSWEOENUALT36C	Energy Performance Analysis - 3 Years - 10 Device Credits

Supported Devices

Category	Device Type	Panel Server Universal (PAS600)	Site Server
Branch Circuit Meter	HDPM6000	•	•
	Veris / SE BCPM	•	•
	PowerLogic EM4900	•	•
Wireless Energy Sensors	PowerLogic Tag (QO, E-Frame)	•	••
	PowerLogic Tag Rope (120, 600, 1000, 2000A)	•	••
Energy Meter	PowerLogic EM35xx (3550/3555)	•	•
	PowerLogic EM4200	•••	•
	Acti-9 iEM series (31xx, 32xx, 33xx, 34xx, 35xx)	•••	•
Low Voltage Protection Device (Trip unit)	Micrologic X (MTZ)	•	•
	Micrologic P, H	•	•
	Micrologic E, A	•	•
Power Meter	PowerLogic ION9000 & PM8000 series	•••	•
	PowerLogic PM5000 series	•••	•
	Legacy Powerlogic power meters (PM2xx/6xx/7xx/8xx, CM2xxx/3xxx/4xxx, ION7xxx)	•••	•

- Supported and Applicable to Application Module
- Requires downstream data concentrator (PAS600)
- Limited Support
- Not Supported

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