

EcoStruxure Microgrid Advisor

Connect, monitor, and control your facility's Distributed Energy Resources (DER) to optimize performance

Features

- Provides visibility and control to all of your DER in a single platform
 - » Solar power
 - » EV charging stations
 - » Batteries
 - » Wind energy
 - » Back-up generators
 - » HVAC systems
 - » Lighting systems
 - » Uninterruptible Power Supply (UPS)
 - » Combined Heat and Power (CHP)
 - » Utility metering
- Connects seamlessly to on-site DER to automatically forecast and optimize when to consume, produce, or store energy
- Guarantees system reliability and optimization – even if communication with the server is temporarily lost – through 48-hour advanced automatic default operation schedules

Benefits

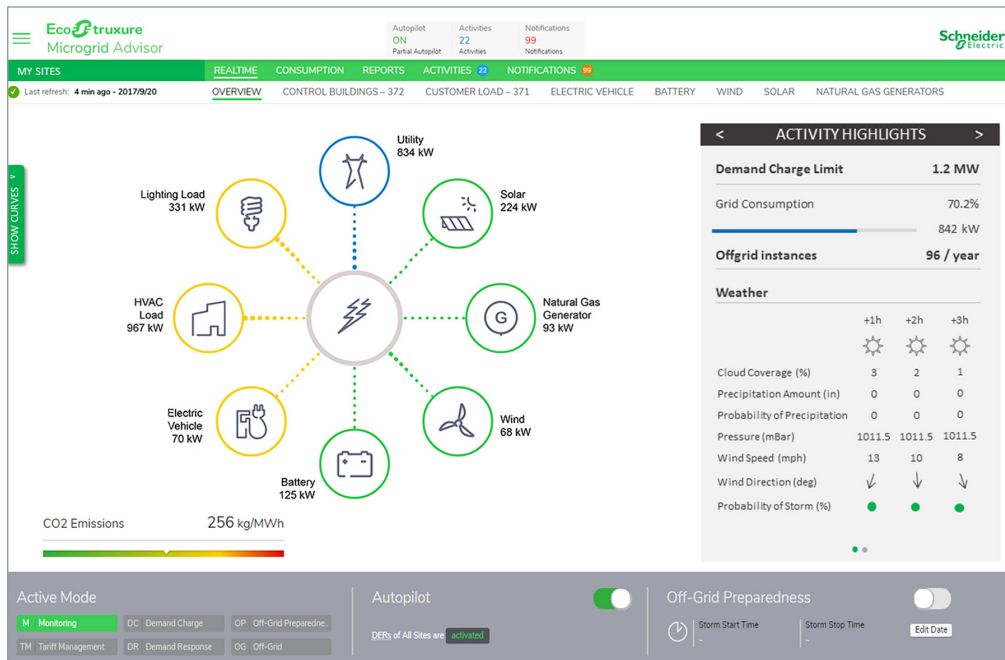
- Single platform: connect, monitor, and control all DER from a single interface
- Demand control: shift and prioritize loads to avoid utility demand charges
- Storm hardening mode: leverage weather forecasts to reduce downtime
- Demand response: participate in utility programs to generate new revenue streams
- Tariff management: manage price through seasonal, day- and hour-ahead pricing
- Self-consumption: charge batteries with excess solar energy during peak periods
- Cyber secure platform: protect site and related data from external hacks



Distributed renewables and efficient on-site generation are changing the grid faster than ever before.

With EcoStruxure™ Microgrid Advisor, users can now take advantage of autonomous and dynamic control of energy production and consumption.

Access real-time DER system operation



The cloud-based software platform enables you to monitor your power consumption, production, and energy usage by date. Export the data into an Excel™ file for a deeper analysis. Custom configurations and web services can be developed based upon your specific requirements.

Access and connectivity

Compatible devices and web browsers

- Use your PC, tablet, or smartphone to stay informed of site conditions and usage
- Compatible with Chrome™, Firefox™, and Internet Explorer™ internet browsers

Third-party and DER database connectivity

- Native OpenADR2.0 communication protocol seamlessly exchanges information, including utility information systems and commercial aggregators
- Standard web services API for cloud connectivity
- Communication with DER via
 - » Modbus RTU
 - » IP and LonWorks
 - » TCP/IP, BACNet MSTP
 - » HTTP/JSON

Connection to the hardware

- Secured connection through your on-site IT network (LAN) or dedicated ADSL lines
 - » Cyber secure testing in white box mode using NIKTO, DIRBUSTER, SQLMAP, and BURP to secure EcoStruxure Microgrid Advisor from session hijacking, XSS, and SQL injection

FINANCIAL REPORT	
Baseline	\$85,433
Savings total	\$22,464
Optimum Start Stop	\$3,567
Tariff Management	\$12,397
Demand Charge	\$4,555
Autoconsumption	\$1,945
Earnings total	\$2,587
FeedIn Tariff	\$2,587
Adjusted Baseline	\$60,382

ENVIRONMENTAL REPORT	
CO ₂ emissions	701,485 Tons
CO ₂ savings	203,993 Tons
CO ₂ emissions adjusted	497,492 Tons

Provides real-time savings and earnings data (above) as well as CO₂ emissions (below).



To learn more about increasing your facility's efficiency, resiliency, and sustainability, visit www.schneider-electric.us/microgrid

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