Eco**Struxure**™
Innovation At Every Level

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
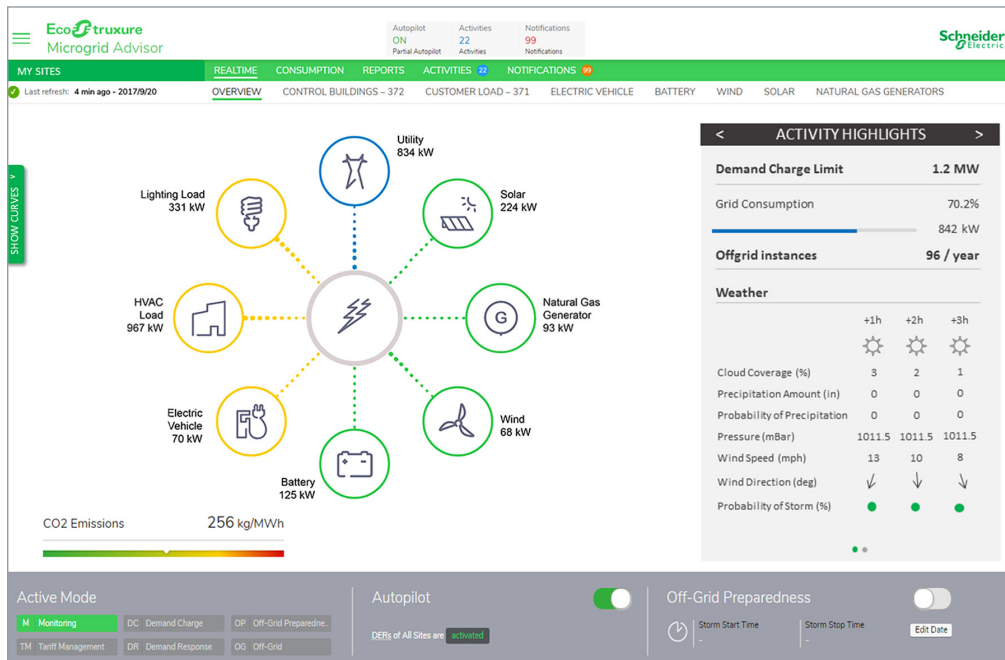
Benefits

- 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.

www.schneider-electric.us/microgrid

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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 CO_2 emissions (below).

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

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