



The power of a SCADA uniquely designed for critical power management

EcoStruxure™ Power Operation

No matter the size or complexity of your electrical system, you need reliable power 24/7. Every second of downtime in a power-critical facility means business interruption and financial loss, unsafe conditions and damaged reputations. Your team requires the ability to react and correct issues immediately for every potential risk.

EcoStruxure Power Operation is a SCADA system uniquely designed to help large electrical distribution applications in facilities like data centers, industrials, airports and electro-intensive operations maximize uptime, unite medium and low voltage networks and integrate mechanical monitoring.

Power availability

Reduce downtime caused by electrical outages for optimum continuity and reliability. Using machine-learning algorithms and automation, Power Operation improves situational awareness to speed analysis and reduces the time required for your operators and engineers to discover root causes.

Energy efficiency

Power Operation helps you set energy targets, track consumption and monitor performance. Create overall efficiencies to avoid peak penalties, identify bill errors and allocate energy costs. Real-time management and KPI reporting improve your operational efficiency.

Cybersecurity

Stay connected while protecting people, electrical assets and valuable, sensitive information. Power Operation's third-party cybersecurity certifications provide peace of mind to give you operational confidence and helping you avoid malicious threats and safety hazards.



SCADA system for real-time situational awareness and cyber-resilient solutions



Maximize power reliability and uptime

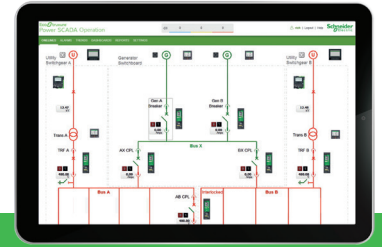


Boost operational efficiency



Improve confidence in operations and security

Master even the most complex power networks



Features



Digital Substation Modeling

Single MV/LV platform integrates mechanical monitoring for operational efficiency

- Interoperability and compliance to IEC 61850 with third-party DNV-GL certification; works with multiple vendors
- Reduce deployment costs via digital substation modeling achieved via IEC 61850 top-down engineering
- IEC 61850-compliant engineering for faster commissioning



Modern HMI

Faster and easier access to the system for safer, better decision-making

- Improves situational awareness and processes information easier
- Enables repeatable, high quality and faster migrations with HTML5-compliant pan/zoom and scalable vector-based graphics to recreate electrical one-lines and graphics
- Improved alarms analysis in context of electrical one-line for faster root cause analysis
- Configurable alarm banner for incidents, alarms or events
- Supports both real-time and historical trends within web browser
- Dark mode to reduce screen glare, improve readability and reduce eye strain



Cybersecurity and IT Compliance

Certified cyber resilience at the edge mitigates risks

- Third-party certified to IEC 62443 4-2 at Service Level 2 (SL2)
- IT-compliant software licensing technology ideal for virtualized environments
- IPv6 support at server level
- Central cybersecurity admin tool for large systems (software & hardware)
- Easily manage licenses via single activation ID for system versus multiple codes
- Compatible with EcoStruxure Cybersecurity Admin Expert



Open Platform Connectivity

Even more connectivity to devices and analytics

- "Smart Connector" capabilities simplifies and accelerates integration with other third-party systems or data sources to quickly facilitate agile business adaptations
- Expand system potential to increase operational and energy efficiency
- Additional native Modbus device drivers



Power Events Analysis

Automation speeds analysis for faster root case discovery

- Machine-learning algorithms speed discovery of root causes
- Apply information quickly to help prevent chronic and future power system events
- Analytics-enabled descriptions of potential root cause for faster root cause discovery
- Quickly identifies the location of PQ events and their impacts



Lower Total Cost of Ownership

Simpler to train, deploy and maintain

- Helps reduce deployment costs with online training for fast onboarding
- Simplified licensing
- Graphics migration tools

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