



Purpose-built to keep your power reliable and efficient

EcoStruxure™ Power Monitoring Expert

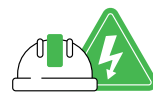
Power is critical to your operations. Disruptions impact productivity and safety. Wasted energy and equipment failures affect your bottom line. Grid systems are also becoming more dynamic and regulations more challenging. You need a way to reveal hidden risk and new opportunities.

Award-winning EcoStruxure™ Power Monitoring Expert (PME) simplifies management of complex power systems. It brings unique new capabilities that protect people and assets, keeps operations running and saves time and money. As a key element in an EcoStruxure Power solution, PME takes full advantage of IoT connectivity and distributed intelligence to help maximize your uptime and operational efficiency:

- Smart events and alarm clustering for intuitive filtering, searching and categorization of events and alarms
- Graphical timelines easily analyze event and alarm sequence, location and potential impact
- Advanced energy visualization – analysis tools calculate, model, forecast and track energy performance indicators (EnPIs)
- Compliant with IEC62443 cybersecurity standards, for even the most demanding IT environments



EcoStruxure Power Monitoring Expert drives performance with the next generation in power and energy management.



Help keep people and assets safer



Optimize business reliability and continuity



Maximize operational lifecycle efficiency



Simplify compliance

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EcoStruxure™ Power Monitoring Expert

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Help keep people and assets safer

- Detect abnormal conditions that risk safety or operations
- Ensure proper breaker operation and fault isolation
- Operate breakers remotely to minimize exposure to arc-flash
- Monitor and locate insulation faults that risk occupant or network safety
- Use thermal monitoring to reduce risk of electrical fires from faulty power connections
- Reduce eye strain in low-light environments with dark mode feature

Optimize reliability and continuity

- Use advanced power forensics to understand cause/effect of events in your electrical system
- Identify power event patterns to avoid future occurrences
- Monitor protection settings; isolate faults to avoid power outages
- Analyze breaker aging to avoid failures and enable proactive maintenance
- Track system capacity to avoid overloads; ensure backup power systems are optimized in case of outage

Maximize operational lifecycle efficiency

- Reveal opportunities to validate savings; trend and model energy/WAGES to identify abnormal usage
- Avoid power factor and peak demand penalties; shadow bill to identify issues in utility bills
- Participate in demand response programs by tracking consumption patterns and managing loads
- Create accountability by allocating costs to departments or processes
- Analyze equipment performance to support proactive maintenance and extend lifespan

Simplify compliance

- Align with energy efficiency, green building standards (e.g. ISO 50001/2, SEP, LEED, NABERS)
- Track energy performance indicators (EnPI) as per ISO 50006
- Verify utility/grid service and internal compliance to power quality standards (e.g. EN50160, IEC61000-2-4, IEEE519, ITIC)
- Ensure regulatory compliance with backup power system testing (e.g. healthcare NFPA110 and others)
- Comply with IT best-practices; align with your cybersecurity best practices



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