

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. PME continuously brings unique new capabilities and innovations that protect people and assets, keep operations running, and improve operation cost effectiveness. 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:

- Power Quality analysis to identify potential load loss, probable cause and direction of power disturbances
- 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

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
- Monitor and locate insulation faults that risk occupant or network safety
- Use thermal monitoring to reduce risk of electrical fires from faulty power connections

Optimize reliability and continuity

- Use advanced power forensics to understand cause/effect of events in your electrical system
- 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

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 latest cybersecurity best-practices to meet increasingly strict IT requirements

Scale with your business growth

- Flexible software model to address your evolving business challenges
- Expand connectivity to bring more data points from devices and systems for improved insights
- Benefit from latest technology to access to enhanced analysis and analytics capabilities
- Deliver expected outcomes with expert customer success management, including simplified onboarding, guaranteed system adequacy, and continuous training



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