



Delivering business continuity in extraordinary times

Building owners, operators, and facility managers in critical facilities, such as data centers, hospitals, and airports, face a daunting task — keeping operations running smoothly at maximum capacity, or at low occupancy rates. The challenge is to continuously adapt to new obstacles, changing business priorities, reduced facility staff, and lower operating budgets. With a digitized power and building management system, there are tools to increase remote service capabilities, help control costs, and maintain operations when resources are low.

Ensuring resiliency during a crisis

The value of IoT and digital has never been greater. Together they enable condition-based monitoring platforms – like EcoStruxure™ Building Advisor and Power Advisor – to monitor and maintain power network operations and building HVAC systems while teams are reduced or off-site. Teams can continue making data-driven decisions, using powerful diagnostics to anticipate potential malfunctions in electrical and HVAC equipment.

Controlling costs during low occupancy periods

Save on operational costs by enabling facility-wide monitoring of the electrical system and loads, and building management systems including HVAC, lighting, and more. Track consumption patterns to reveal pockets of opportunities, identifying non-critical equipment that can be shut down. Having visibility into equipment conditions can also identify critical maintenance needs, enabling technicians to act efficiently to minimize or avoid disruptions.

Maintaining operations with limited access or resources

During a crisis, access to a facility may be severely restricted, making support more challenging. Connected power and building management solutions can help, by delivering the right information, at the right time, to the people that need it. Deep equipment diagnostics can be done well ahead of any service visit. This can help make an informed decision about whether the situation requires a service team to travel and go inside the facility.

The digital advantage

With digitized power and building management systems, remote facility teams can ensure electrical networks operate efficiently, and deliver optimized performance and reliability without compromising safety.

EcoStruxure™ Building Advisor

Building Advisor provides peace of mind, ensuring operational continuity, continuous monitoring, and a comprehensive view of all building systems, as well as the identification of faults and inefficiencies.

up to 70%
of preventive checks for facility operations can be managed remotely with digital tools

Preventive checks can be managed remotely with digital tools



BMS health

- Monitor EcoStruxure Building Operation system performance across the portfolio



Smart alarm

- Manage BMS alarms
- Set notifications
- Filter alarms



Asset health

- Collect, analyze and view equipment performance
- Fault detection and diagnostics
- Avoidable costs

Track actions, follow up, and show value



Task manager

- Quickly create and share tasks with recommended repairs
- Track task progress
- Adhere to the Service Level Agreement (SLA)



Value reports

- Generate comprehensive reports
- Convey value with KPIs

Optimize budget during low occupancy

- Reduce unscheduled maintenance with condition-based plans, automated Fault Detection and Diagnostics (FDD), and detailed analysis to address root causes and ultimately stretch budgets
- Fix issues before they become problems with prioritized FDD to identify energy, comfort, and system irregularities for timely resolution
- Uncover opportunities to reduce or power down equipment with equipment monitoring
- Get customized, detailed reports that offer predictable, actionable insights to for more informed decisions that improve sustainability and reduce energy costs

Maintain operations with limited access or resources

- Boost your team with remote analysts that can monitor and maintain your systems when resources are low
- Minimize time required onsite by running diagnostics before the team arrives
- Anticipate any malfunctioning of critical equipment (boilers, chiller, zone equipment)
- Ensure air flow equipment is performing well

Let our Services Team help.
Contact your local account representative.

EcoStruxure Power Advisor

Power Advisor is a unique, affordable, fast-to-deploy service that leverages power system data. Fueled by analytics and our expert engineers, it finds and prioritizes electrical network and data quality issues anywhere in a power system, recommending ways to correct them.

1%

of data from sensors is currently used for decision-making



Power quality

Electrical health reports identify areas at risk and recommend solutions:

- Lagging power factor
- Excessive harmonics
- Undervoltage threshold
- Over voltage threshold
- Transformer overcapacity
- Unbalanced loads



Data quality

Reports identify areas impacting data quality:

- Unchanging values
- Negative readings
- Significant unmetered loads
- Software/firmware updates
- Power Monitoring Expert:
 - System config reports
 - System health alarms
 - Software alarms



System health

Dashboard notification for system and device status:

- Alarms for devices off-line, error logs, missing data
- Server and OS issues for MS errors for services/events, memory or disk space low, and excessive CPU usage
- Reports and alarms on percentage uptime of source management

Let our experts ensure efficient network operations

- Leverage proactive, digital tools to prioritize maintenance approach
- Maximize the performance and reliability of the electrical distribution system with advisory services and power system experts
- Identify transformer overcapacity, unmetered loads, poor power factor, voltage imbalance and high levels of harmonics
- Ensure your facility's power management system is always properly tuned and functioning efficiently

Maintain operations with limited access or resources

- Address support challenge when staffing is low and there is limited access to the site
- Support engineering staff with right info at the right time
- Verify power metering devices are correctly installed and configured

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Life Is On

