EcoStruxure™
Innovation At Every Level

FUTURE

Advanced power quality meets unparalleled innovation
PowerLogic™ ION9000 series power quality meters

#WhatsYourBoldIdea

schneider-electric.us/ION9000

Life Is On | Schneider Electric

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Discover the new PowerLogic™ ION9000

Your power network has a story to tell.
Meet the storyteller.

Powerful, refined, and packed with innovation

You have good reason to demand the very best for your power system. You need the highest performance from your power network, and within your facility. As devices become more connected and new regulations arrive, so do new opportunities to improve your power network.

The PowerLogic ION9000 delivers the highest performance you need. Third-party certified as the most accurate meter in existence, its modular design, flexible ION programmability, and advanced power quality analysis make it perfect for industrial or healthcare facilities, data centers, and utility networks.

Is your power network ready for the future?
The PowerLogic ION9000 is. Watch the video!

Up to 80%

of power quality disturbances are generated within a facility.

Download our PQ eGuide and learn how to meter your way to better power quality.

View the sample network diagram

Explore the ION9000

It's the culmination of decades of experience, offering unmatched levels of innovation

ACCURATE | MODULAR | CYBERSECURE | ONBOARD PQ | SMART ANALYSIS

Third-party certified at Class 0.1S, the ION9000 is the most accurate meter in existence today, unlocking significant new energy savings for an innovative competitive edge.

Its robust design and selection of high precision components (-25 to +70C and 3000m) is ideal for even the most demanding environments.

Read our white paper on high accuracy standards for power meters for more information.

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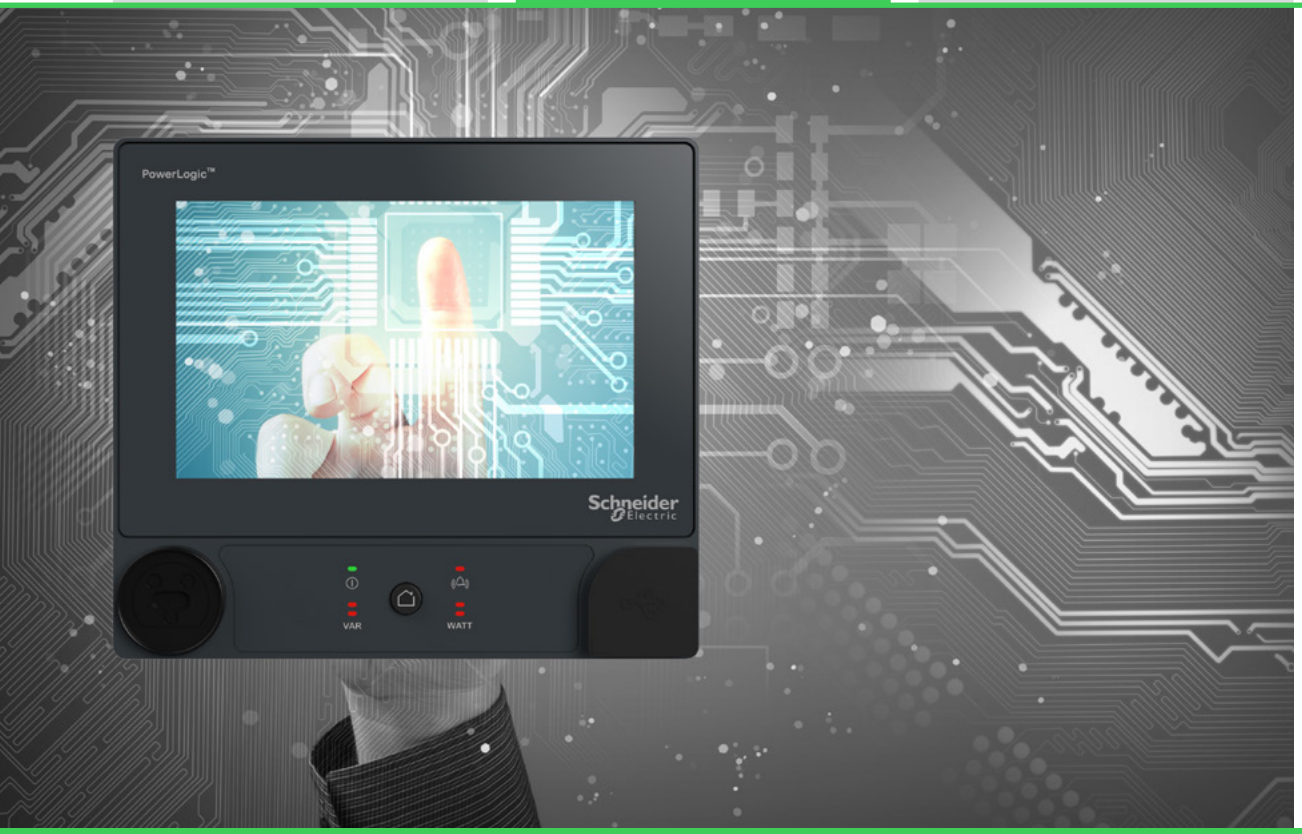

PowerLogic ION9000 connects you to your future. It provides the modularity you need for your rapidly changing IoT-enabled electrical network.

Common components allow for easy ordering. I/O expansion modules enable flexible and customizable expansion that are critical for cost-effective growth as your power network expands.

<15%
reduction in project costs

Discover more

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Because nearly 54% of companies have suffered a cyber attack in the last year, you take great care to be as safe and secure as possible with your power network. The ION9000 is designed to align with your comprehensive grid cybersecurity policies.

When integrated within your security-driven architecture, the meter's cyber-robustness helps minimize vulnerabilities to your critical power assets and systems. Reinforce your security strategies now with the ION9000.

Discover more

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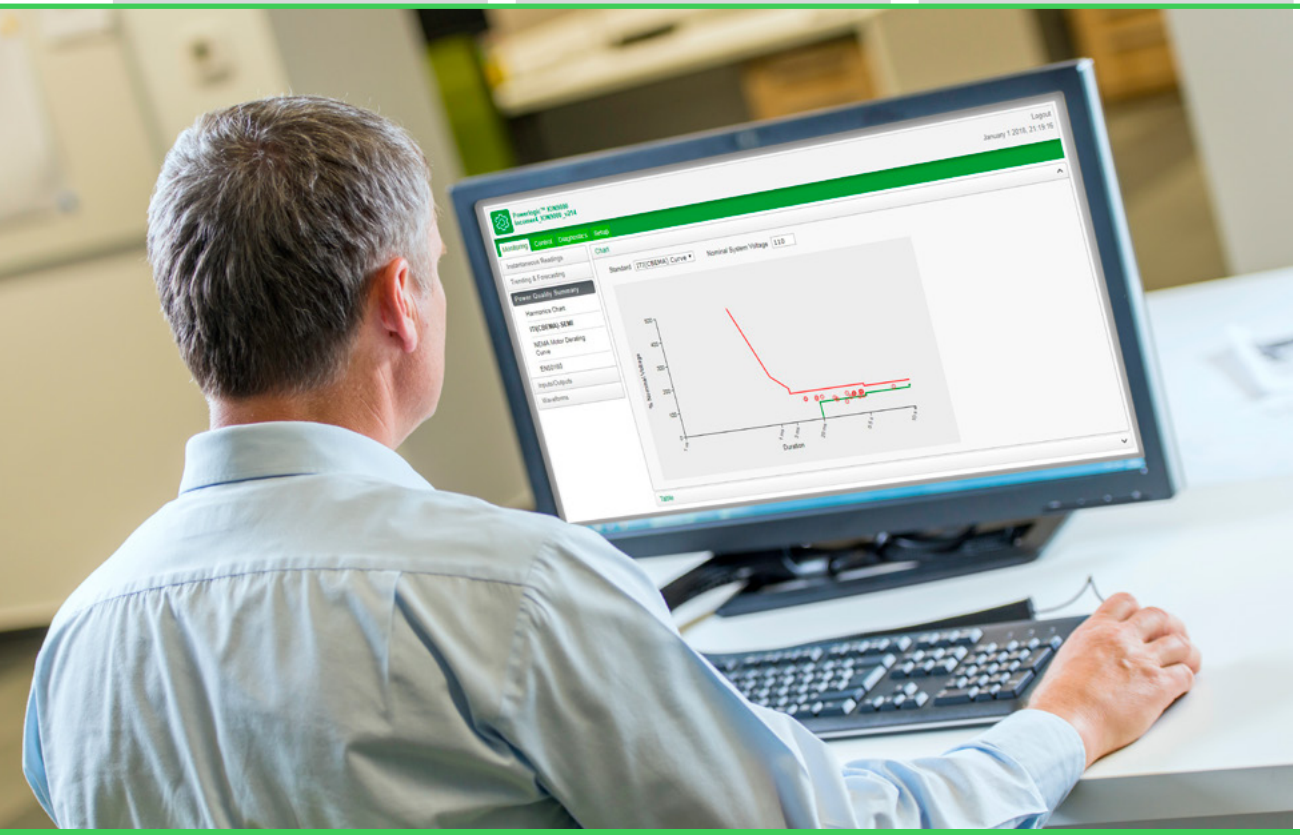
ACCURATE | MODULAR | CYBERSECURE | ONBOARD PQ | SMART ANALYSIS



Complies with recognized power quality monitoring standards: IEC61000-4-30 class A, IEC62586-1 / IEC62586-2, and verified by third-party lab certifications.

Connect via web browser for full PQ analysis, easy-to-read analysis according to EN50160 and IEEE519 standards.

Patented disturbance direction detection, extended waveform capture (0.5s pre-event data / 2.5s event data @1024 s/c) and high speed RMS data capture for in-depth analysis of any PQ disturbance in your electrical system.

Explore the ION9000

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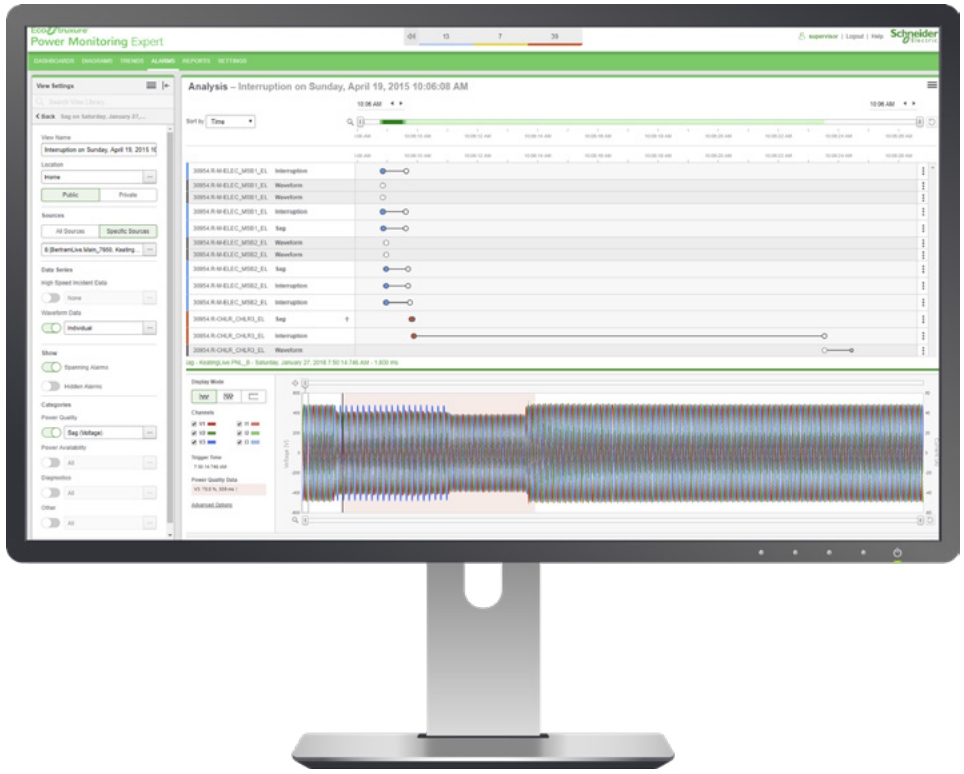


Designed to provide advanced diagnostic information to EcoStruxure Power software for power quality analysis and system forensics. Graphical event analysis makes it easy to see what happened and provides the contextual information needed to quickly draw conclusions about cause and effect.

Knowing exactly what happened during an incident is vital for re-establishing normal operations as quickly and safely as possible, and helps mitigate future occurrences of similar incidents.

It's more than a meter

Unique, adaptable ION progammability protects your investment into the future

Apply complex logic for alarming or control

Customize power monitoring, analysis and control operations

Totalize energy data from many devices

Breaker monitoring

Demand control and load shedding

Allocate costs to specific processes, departments, or offices

Implement custom substation automation, demand and load management applications

While every ION meter comes with factory-configured architecture, legendary, patented ION technology also adapts easily to your power network as it becomes more dynamic, as new energy efficient devices are installed, or new regulations are passed.

Watch the video

Perfect for your business

Designed for those who demand the very best in their power network performance, whether in critical power demand-side, or supply-side applications.

- Data Centers
- Healthcare
- Industry
- Utilities

For Data Centers

On average a one-hour power loss event costs a data center $1 million and a compromised reputation. Plus, energy costs now consume up to 50% of a typical data center's operating budget.

PowerLogic ION9000 meters provide precision accuracy, the ability to quickly locate disturbances, help predict maintenance needs, and aid in monitoring ongoing operations like battery health and runtime variations.

Discover how a single power management system can track, monitor, and manage the energy in a data center.

Watch the video!

For Healthcare

Facility manager and site electricians know that issues can arise from non-linear loads, inadvertent injection of harmonics, and interaction between medical equipment.

The ION9000 is able to detect and prevent power incidents that could lead to patient risk and legal consequences. Its power quality capabilities ensure your power network and its sensitive electronic loads are monitored and analyzed 24x7 for peak performance and any deviations from the ideal.

Keep the power distribution system available, reliable and efficient in your healthcare facility.
Watch the video!

For Industry

For site managers, facility operators, and head electricians looking to improve availability and uptime, the ION9000 provides key real time, historical, and PQ information dashboards, reporting, and control.

Combine with EcoStruxure Power edge control software and solutions for detailed preventative views into the electrical infrastructure, to help mitigate the events that put your whole business at risk, and can also help quickly pinpoint the root cause of power system failures.

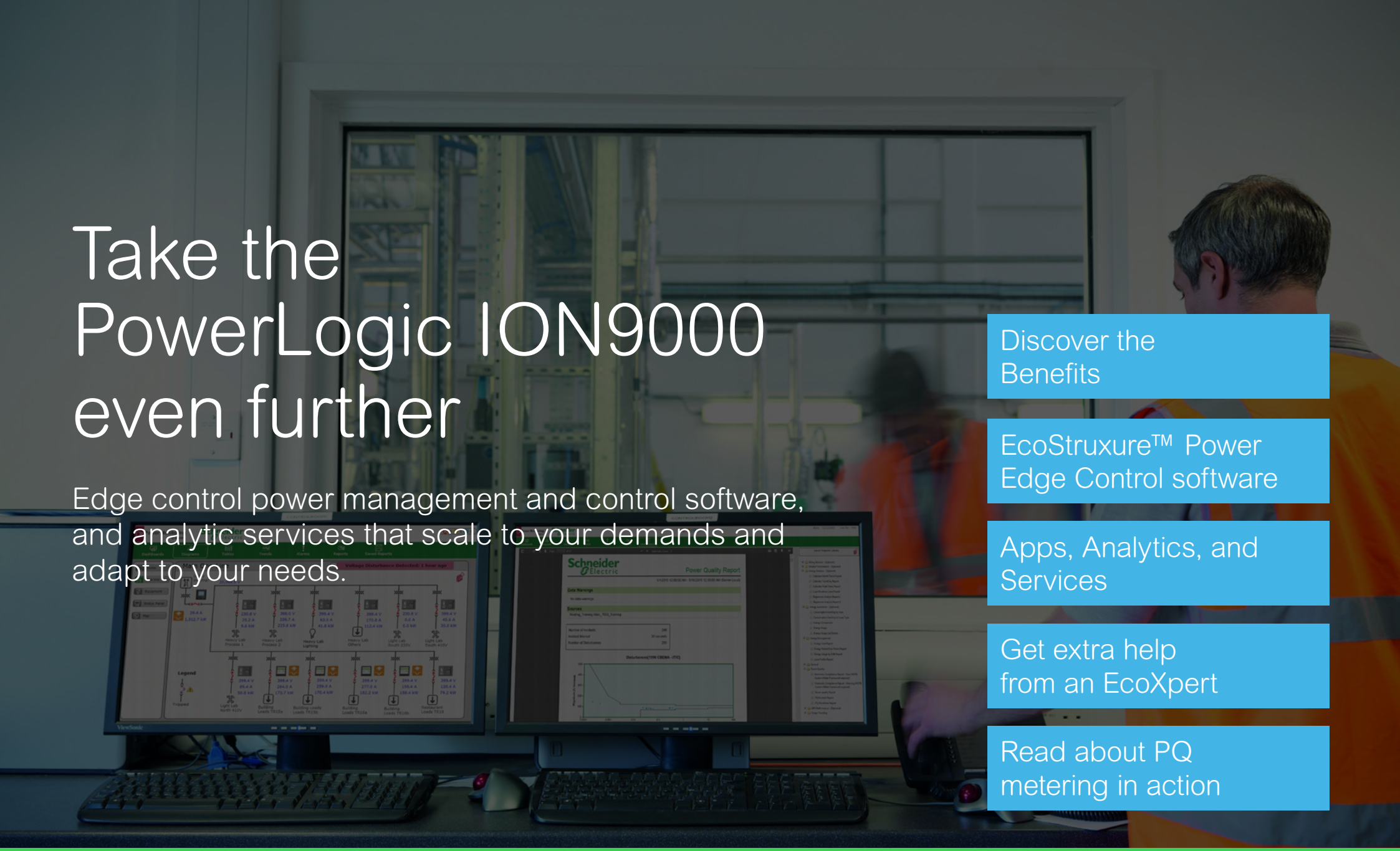
Discover how industry is optimizing its power consumption. Watch the video!

For Utilities

Demands for electric power today are anything but simple. New and diverse industries are appearing and their products and services require either much finer voltage supply tolerances, or very enhanced reliability. Probably both.

For electrical suppliers, the ION9000 delivers the most revealing network picture ever. Combined with EcoStruxure Power edge control software, your power network will discover new levels of reliability, efficiency, and compliance.

Discover our real experience using power quality data to improve power distribution reliability.
Read the white paper!



Take the PowerLogic ION9000 even further

Edge control power management and control software, and analytic services that scale to your demands and adapt to your needs.

- Discover the Benefits
- EcoStruxure™ Power Edge Control software
- Apps, Analytics, and Services
- Get extra help from an EcoXpert
- Read about PQ metering in action

EcoStruxure Power digitizes and simplifies your complex electrical distribution system and provides decision support that enables you to be ...

Safety

Leverage visibility of your electrical system with the ION9000. Restore power efficiently while keeping people and processes operational. Ensure safe power recovery while switching utility feeds.

23%
of outages are inside your facility and require intervention

Reliability

Avoid downtime by understanding root causes of acute or chronic power events, and prevent future occurrences. Increase lifetime of equipment, mitigating effects of poor power quality.

~80%
of PQ disturbances originate within a facility

Efficiency

Save money by reducing energy spend. Use actionable data to optimize operations, avoid peak demand or power factor penalties or errors in utility bills. Perform maintenance when and where it is needed.

10%
potential reduction in Energy spend

Compliance

Show compliance to energy efficiency local and international standards. Ensure regulatory compliance to operate and protect your business. Prepare your business for future cyber security regulations.

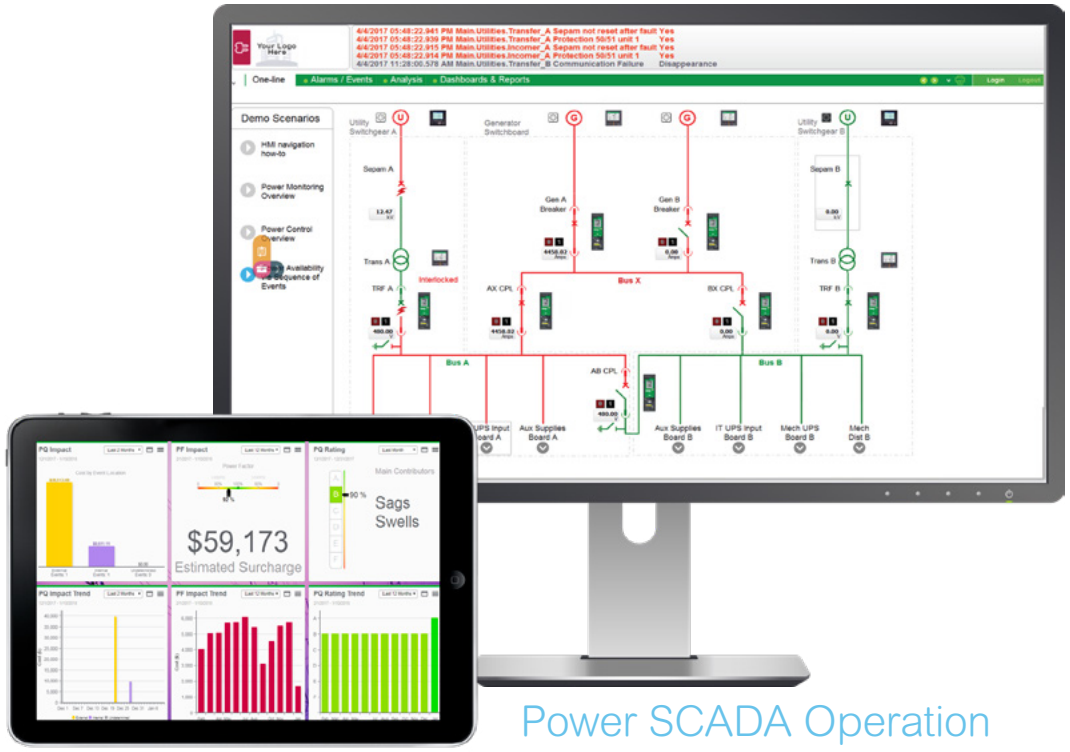
54%
of companies have suffered at least **1** cyber attack in the last year

EcoStruxure Power edge control software

Make informed, data-driven decisions. Track equipment and maintenance activity to reduce downtime, energy use, and maintenance costs, all while improving site planning and revealing additional capacity.

- Increase power availability
- Help protect people and equipment
- Improve operational efficiency
- Ensure compliance with local or national standards

Watch the video to discover how you can achieve more with less in your power critical facility.



Power Monitoring Expert

Power SCADA Operation

Try the demos!

Apps, analytics, and services

Maximize the value of your data.

Receive expert analysis and recommendations that help.

- Optimize energy efficiency and reduce energy-related costs
- Reduce downtime from network issues or equipment failure
- Improve predictive maintenance and reduce reactive maintenance issues

Discover more

Get extra help from an EcoXpert™

For intelligent and sustainable solutions that help reduce risk and cost, discover the EcoXpert certification program.

EcoXperts are certified in the fields of power management, building automation, light and room control, and data connectivity. Together we deliver services and solutions that exceed your expectations and build sustainable success for your facility.

EcoXpert™
Critical Power Master
Certified by
Schneider Electric

Discover more

Advanced PQ metering in action

Oxford University has committed to reducing its carbon footprint by 33% by 2020.

One of the key ways in which it is planning to reach these sustainability targets is by encouraging energy efficient practices and investing in its estate to reduce carbon emissions.

Learn more

Learn more

Discover EcoStruxure™

Learn more about EcoStruxure™ Power.

Geneva Airport: How EcoStruxure™ modernizes electrical distribution, from parking to departure, without delays.

Contact us to start your journey.

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This document presents general, non-binding information regarding the potential value that digitized power distribution products and solutions can bring to the user. Due to varying user situations and goals, Schneider Electric does not warranty or guarantee that the same or similar results represented in this document can be achieved. Please refer to Schneider Electric product and solution catalogs for actual specifications and performance.

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