Knowledge
is power

Your electrical network has hidden potential.
Our power management system helps you find it.

›

schneider-electric.us/powerandenergy

Life Is On

Schneider Electric

Authorized Partner

PARTNER**LOGO**

A connected approach is the most effective.

Electricity is the backbone of your organization — the foundation behind every transaction, production process, HVAC system, or life-saving surgery. This makes power management crucial for your business.

And some businesses today already use power management strategies to look for new efficiences. But limiting yourself to just a little knowledge is a risk. For example, some systems only manage power reliability. Others focus on energy costs. Still others focus on energy efficiency. But if you only manage one and not the other, you can inadvertently introduce disturbances that cause system imbalances.

That's why a connected system of tested architectures and interoperable technology platforms is crucial. It brings together energy, automation, and software to provide power network management, energy cost management and electrical asset management in a balanced and coordinated way.

+50%

Today's untapped energy potential efficiency in industry

Source: World Energy Outlook 2012, OECD / IEA, Internal Analysis. 6 Cisco, Internet World Statistics

Download our IoT White Paper

Learn how IoT enables greater business control. ›

It's the best way to manage energy.

Schneider Electric gives you a simpler, more effective way to improve power reliability while reducing energy-related capital and operational expenses.

Connectivity drives business value.
Each corporate, energy, operations, and facility manager gets appropriate, actionable information matched to his or her needs. You'll save time and make faster, better decisions.

Energy action plans that get results.
Use feature-rich applications to go beyond traditional power management. Build an effective plan and enable proven best practices that achieve continuous, measurable energy savings and increased reliability. Don't just collect data – make your data business-relevant, so you can make power and energy decisions that make the best sense.

See how today's world of energy brings new challenges and opportunities for facility managers working in critical and energy intensive buildings. Watch the video!
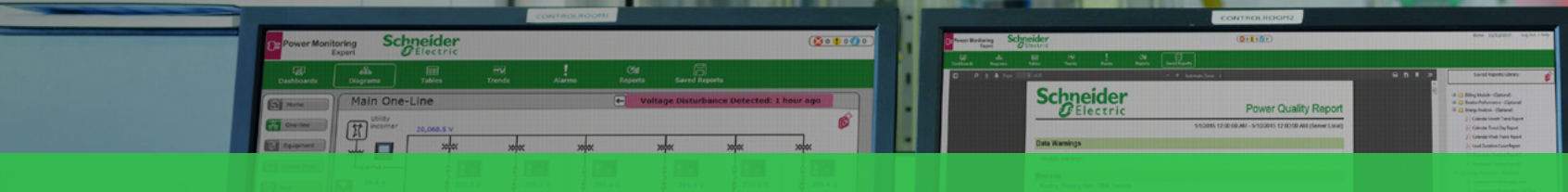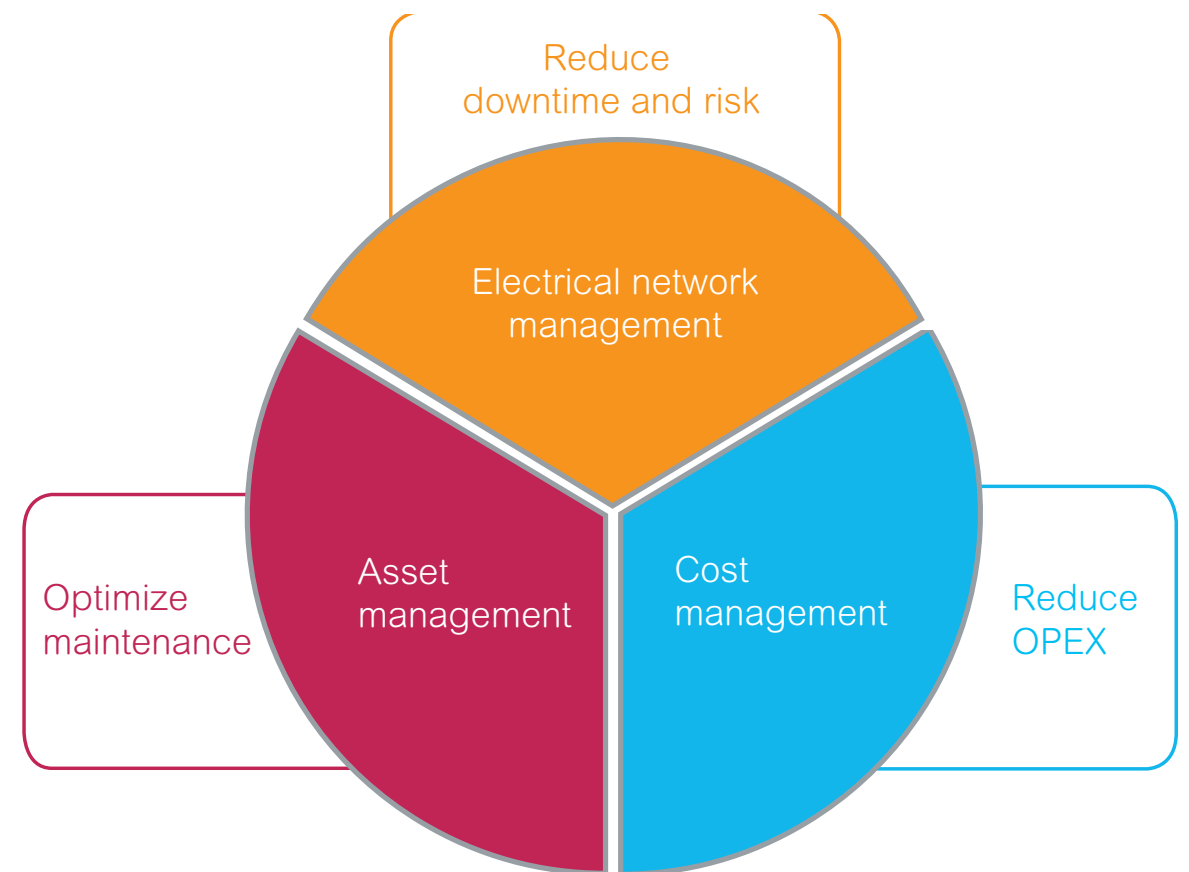
Designed for balance. Tailored for you.

Tap a segment of the chart to find out more.

Our power management systems are especially designed to answer the needs of facilities where power is a critical asset, and where without power, lives or millions of dollars are at risk.

These systems provide facility managers with precise energy consumption data to drive energy accountability, sustainability, and savings. Your engineering manager will see power conditions at every critical point, and your maintenance personnel will use real-time status information to optimize equipment performance. And C-level executives will see the increase in productivity, profits, and ROI.

How do we do it? By balancing three main elements that fit together perfectly.

Tap the chart to the right to discover more.

Reduce downtime and risk

Electrical network management

Optimize maintenance

Asset management

Cost management

Reduce OPEX

Cost management keeps the savings pouring in.
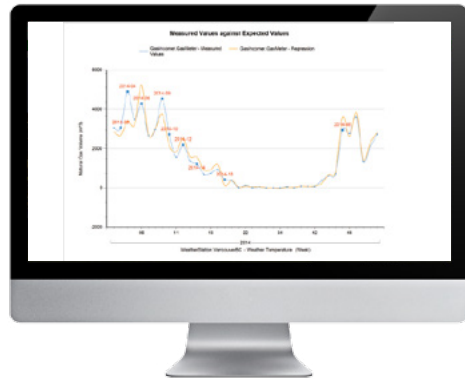
Improve energy efficiency to reduce operating costs

Allocate energy costs to drive accountability

Prevent unnecessary utility charges

Prevent unnecessary utility charges

Utility-accurate meters and software enable you to verify your utility bill, which is often a source of errors. You can track power factor and peak demand, adjusting your operations to avoid penalties.

Detailed energy dashboards reveal inefficiencies and opportunities to save while helping avoid or reduce billing penalties. Learn more here!

Network management made simple. Processes made reliable.

Avoid outages and prevent equipment damage

Optimize electrical system performance

Quickly assess power quality impacts

Optimize electrical system performance

Simple visualizations help you improve system efficiency by balancing loads and uncovering excess "hidden" capacity in the system. Study real-time data and historical trends to find sources of power losses or poor power factor.

Up to 80%

of power quality disturbances are generated within a facility.

Download our PQ White Paper

Learn the best practice methodology for managing power quality. ›

A healthy, optimized electrical network keeps the electricity flowing.

Track and analyze equipment conditions ↗

Manage electrical capacity to ensure flexibility ↗

Get advance warnings, wherever you are ↗

Manage electrical capacity to ensure flexibility

✕

Your processes need to stay flexible to meet evolving customer requirements.
Easily and accurately track your electrical demand to reveal where new loads
can be added. Maximize the use of your installed electrical infrastructure without
compromising equipment loading or incurring the expense of additions or upgrades.

Keep a constant watch on the
health of your equipment while
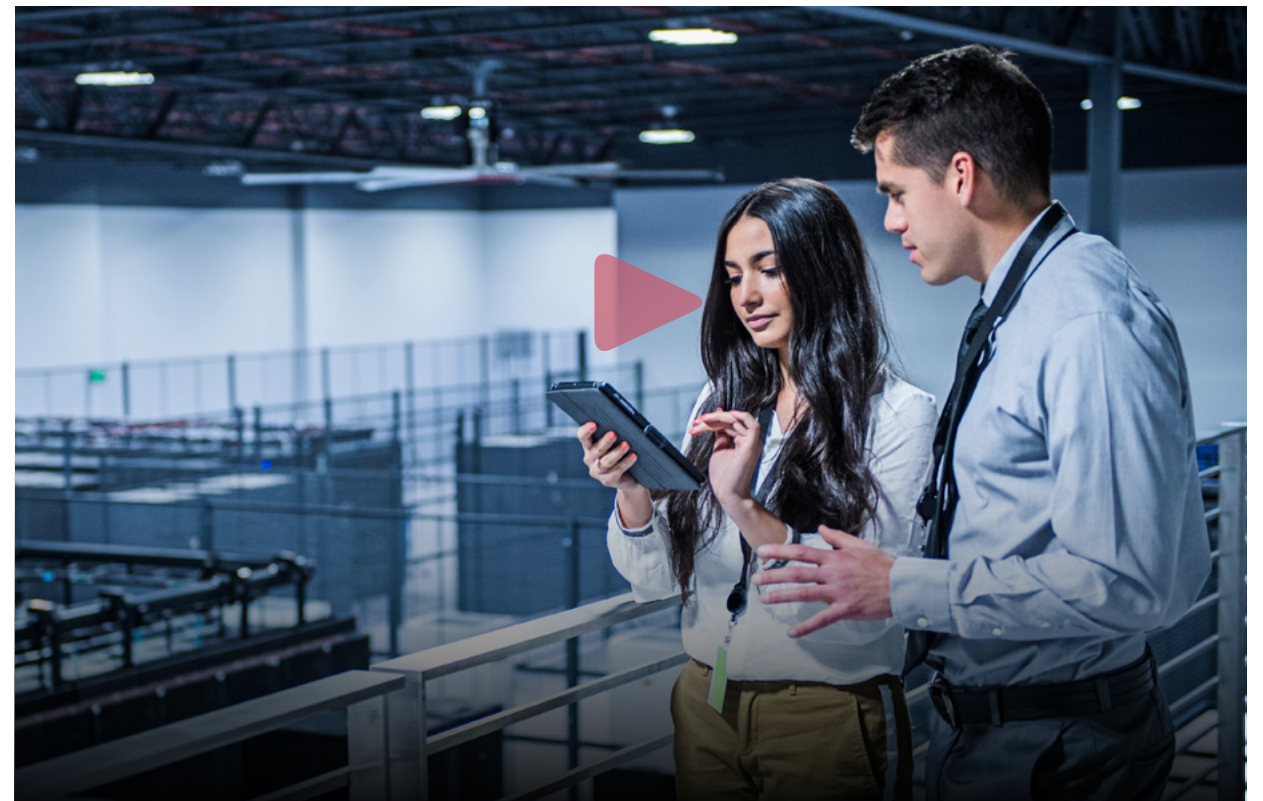revealing ways to get the most
from your electrical infrastructure.

Solutions for data centers.

On average a one-hour power loss event costs a data center $1 million, plus a compromised reputation.

Plus, energy costs now consume up to 50% of a typical data center's operating budget. For facility operators in data centers concerned about the financial impact of escalating energy usage, Schneider Electric offers comprehensive, validated power management solutions that include the ability to verify and track PUE, the industry standard energy efficiency metric for data centers. Predictive maintenance help you with ongoing operations issues like battery maintenance, runtime variations, and integration with fuel management systems.

Discover how a single power management system tracks, monitors, and manages the energy in a data center. Watch the video!

Solutions for healthcare.

Schneider Electric has worked for decades with healthcare and hospitals around the globe.

For facility managers and site electricians, Schneider Electric can provide automated solutions that are able to detect and prevent power incidents that could lead to patient risk and legal consequences. A pass/fail report shows compliance to regulations and standards.

Unlike an error-prone manual test approach, our solution ensures correct testing methodology and detailed reports that reduce risk and liability.

Emergency Power Supply System Test Solutions for Healthcare. Watch the video!

Solutions for industry.

Our expertise spans both sides of the meter — from helping you manage your power systems to maximizing the value of energy purchased.

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

Our power management solutions also provide preventative views into the electrical infrastructure, to help mitigate the events that put your whole business at risk, and can also help to pinpoint the root cause of power system failures.

Why is ISO 50001 important for my plant? >

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

Connected products for world-class, optimized, and efficient solutions.

Our connected products have embedded intelligence that drive better decision-making throughout operations. Modular and interoperable, they better enable local control at the edge, ensuring continuity of supply, enhanced safety for people and equipment, guaranteed upgradeability, and more effective management and control. They are also tested and validated to ensure each system meets expected values throughout its lifetime.

Software: real-time control and monitoring software packages are designed to provide energy information, whenever and wherever you need it. >

Intelligent meters: maximize the power infrastructure with highly accurate, easy-to-read data to identify energy savings, increase operational efficiency, and reduce energy costs. >

Switchgear/circuit breakers: provide energy consumption data, equipment status, and operational support information. Data is accessible locally or remotely. >

Contactors and relays: protect against equipment failure and danger created by voltage faults, excessive loads, or overcurrent conditions. >

Power factor correction: reduce electricity bills, power losses, and process-related voltage fluctuations; mitigate harmonics to avoid voltage and current distortion. >

Make powerful connections happen easily.

The embedded intelligence in some of our connected devices allows for tremendous flexibility and creativity. It is perfect for complex monitoring and control applications, making it easy to customize features or functions to suit your specific needs.

It also adapts to changing needs, so you can protect your infrastructure now and in the future. No more worrying about obsolesence.

When is a meter more than a meter?
ION technology allows easy adaptation across your business or operation. Watch the video!

Learn more

Discover EcoStruxure™

Try EcoStruxure™ Power

Discover EcoStruxure™ Plant & Machine

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

University of Rochester: EcoStruxure™ ensures reliability and saves several hundred thousands of dollars

Contact us to start your journey

PARTNERLOGO

Authorized Partner

Partner Display Name
Partner URL
Partner Phone
Partner Email

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