



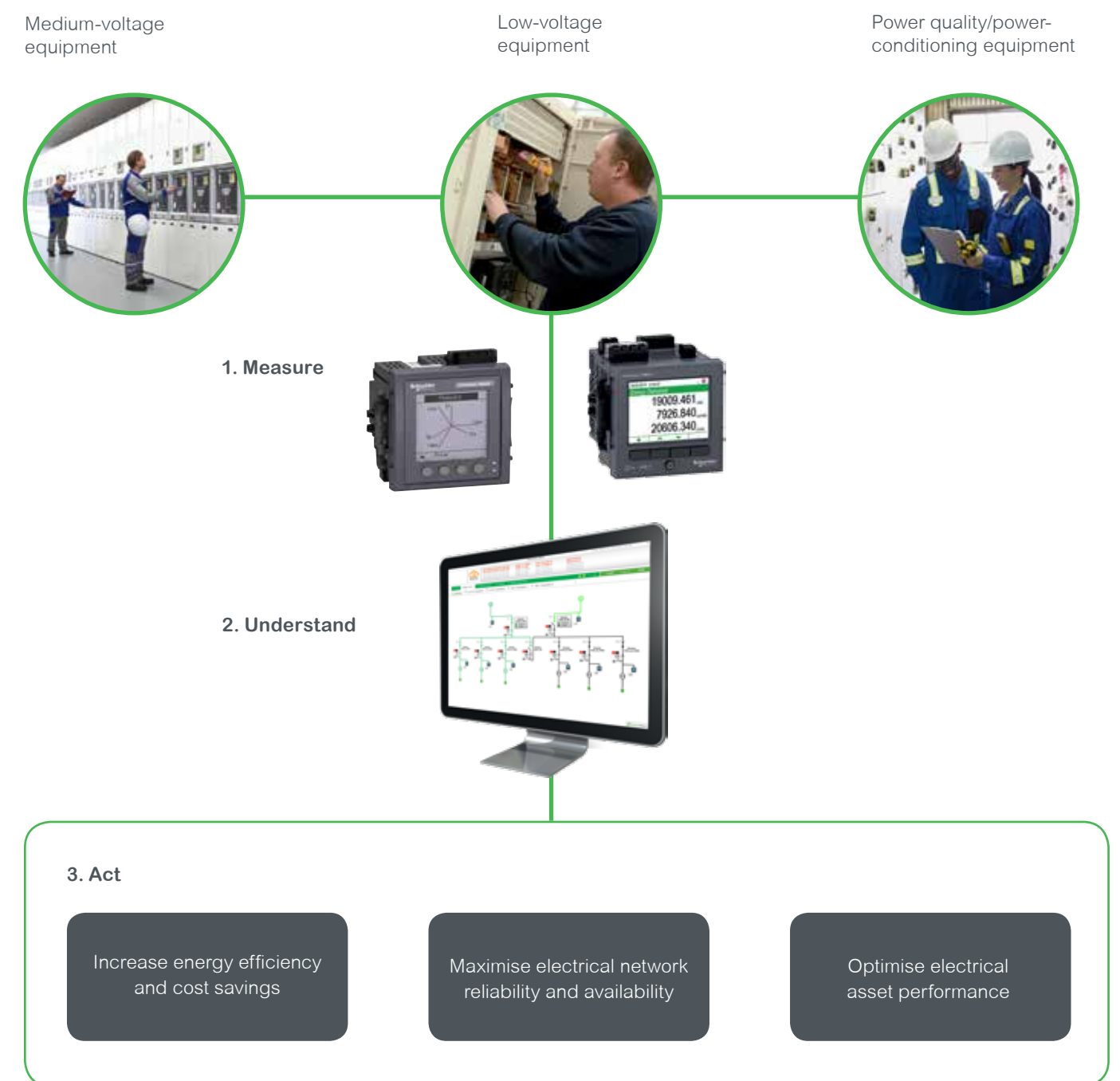
Power Monitoring and Control Software

Maximise the reliability and
efficiency of your power network

Measure, understand, and act:

Principles of power management solution

Measure, understand, and act are the principles of power management solution. Measure means you gather data from your facility but data is useless unless it is meaningful. Power management software analyses the data and gives it context, so you can understand the status of your facility. Once you understand, you are able to act and make decisions that can help maximise reliability and efficiency.



Measure

Gather accurate power and energy data from key distribution points, monitor power quality and log events

Our electrical hardware devices, circuit breakers, switches, meters, gateways, switchboards, and UPS systems are globally recognised as the most reliable performance equipment for protection, control, and measurement. An integrated power management system incorporates all of these components. Thousands of organisations worldwide choose Schneider Electric because our solutions:

- Are interoperable and complementary, so you can share data between platforms and benefits between users.
- Have comprehensive protocols, form factors, and standards support for easy integration and expansion into existing systems and multi-vendor environments.
- Are scalable in size, performance, and functionality via flexible system customisation, so you dictate how, where, and when to expand.

Power and energy meters

Highly accurate, intelligent meters monitor key distribution points 24/7 from generators, substations, and service entrances to mains, feeders, and loads. PowerLogic power meters enable network visibility and reliability by tracking real-time power quality, monitoring equipment status, trending loads, and logging events and alarms. PowerLogic™ energy meters enable energy efficiency, submetering, subbilling, and cost allocation applications by tracking energy use.

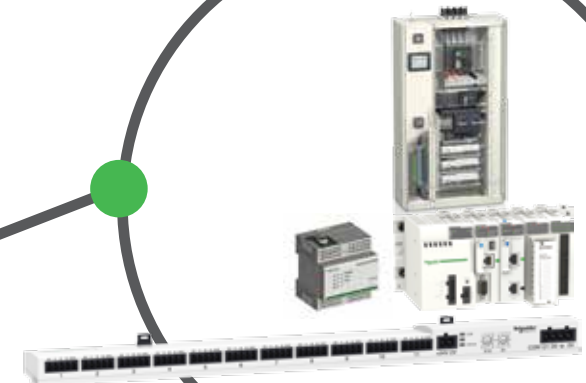
Contactors and protection relays



Circuit breaker trip units



Smart panel communications



Power factor correction

Higher-rated capacitors, state-of-the-art switching devices, and harmonic filtering equipment are available for virtually every industry and application: reduce electricity bills, power losses, and process-related voltage fluctuations; mitigate harmonics to avoid voltage and current distortion. All products are perfectly coordinated to meet all your medium- and low-voltage power distribution needs, engineered to be scalable as your requirements evolve, and optimised to provide maximum power system efficiency.



Understand

Turn data into meaningful and actionable information for you and your stakeholders

You need insight to response to the changing power conditions that impact your operations, and then make decisions immediately. Our power management software provides this insight with extensive analysis and reporting tools, as well as intuitive visualisation and control interfaces that turn your power data into meaningful, actionable information to support quick and correct decision making.



★ Typical Power Monitoring Expert dashboard

Real-time and historical power quality analysis

- Isolate and mitigate power quality issue
- Identify potential disturbance patterns
- Analyse root cause

Intuitive visualisation and reporting tools

- Display energy and power parameters in different format
- Distribute pre-engineered report by schedule or alarm/event

Real-time energy consumption monitoring

- Improve energy procurement
- Changes employees energy awareness and behaviour
- Avoid overbuilding

Robust, flexible platform architectures

- Exceptional scalability for different developing stages
- Solution for redundancy

Seamless hardware integration and system interoperability

- Native support with third party devices
- Open interoperability with different system eg, automation, accounting etc.

Dynamic control interfaces

- Control objects in real time
- Reveal detailed information by using point and click



Typical PowerSCADA Expert electrical diagram ★

PME and PSE software need to be installed by Schneider Electric or Critical Power EcoXperts

Act

Make timely, intelligent decisions based on actionable information



Effective applications make it easy to understand your energy and power usage, besides power network management. Power management solution provides you new levels of cost management to your business, sustainable responsibility to shareholders and response to energy efficiency regulations. Get it all without compromising productivity.

Increase energy efficiency and cost savings

- Identify billing discrepancies
- Allocate costs/tenant billing
- Reduce peak demand, power factor penalties
- Identify opportunities and savings
- Green standards compliance
- Reduce rates with energy supplier

Maximise electrical network reliability and availability

- Increase facility uptime
- Verify reliable power equipment operation
- Improve response to power-related issues
- Ensure PQ/energy contract compliance
- Network protection and control

Optimise electrical asset performance

- Leverage infrastructure and avoid over-building
- Prolong asset life with proactive maintenance
- Manage EPSS/backup power
- Monitor and validate battery health



Solutions for buildings



Solutions for industry

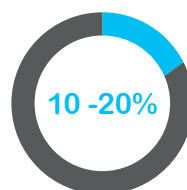


Solutions for data centres

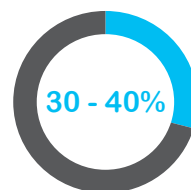


Solutions for healthcare

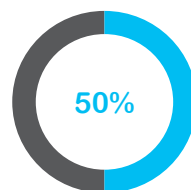
Solutions tailored to meet your specific business needs



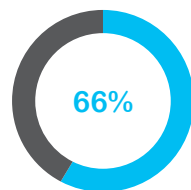
An average facility can save 10 – 20% per year by eliminating wasted energy consumption



Percentage of process down time attributed to power-related issue



Energy costs now consume up to 50% of a typical data centre's operating budget



to reduce your downtime from an effective prevention maintenance programme



Tools to help you...

PowerLogic Toolkit

Simplifying Specification

- Product selector
- Build your own specification
- Live updates to CPD course calendar
- Keep track of most current legislation
- Dedicated resource area for tech and spec sheets

Access here:

schneider-electric.co.uk/pltoolkit

Life Is On



About Schneider Electric

Schneider Electric is the global specialist in energy management and automation. With revenues of €25 billion in FY2014, our 170,000 employees serve customers in over 100 countries, helping them to manage their energy and process in ways that are safe, reliable, efficient and sustainable. From the simplest of switches to complex operational systems, our technology, software and services improve the way our customers manage and automate their operations. Our connected technologies reshape industries, transform cities and enrich lives. At Schneider Electric, we call this Life Is On.

www.schneider-electric.com

Schneider Electric

United Kingdom
Stafford Park 5,
Telford
Shropshire
TF3 3BL
Tel: 0870 608 8 608
Fax: 0870 608 8 606

Ireland
Head office, Block A
Maynooth Business Campus
Maynooth, Co. Kildare
W23 Y7X0
Tel: 1 800 805 800
Fax: (01) 601 2201

www.schneider-electric.co.uk

www.schneider-electric.com/ie

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