Simple. Efficient. Reliable.

Power management tailored
to your buildings and your business

EXPLORE

Schneider Electric

YOUR BUILDINGS RELY ON A CONTINUOUS AND COST-EFFECTIVE SUPPLY OF POWER

Power is critical to your business, employees, and tenants. How your building uses it has a big influence on operations and profit.

Actively managing a building's power supply and energy consumption allows you to maintain your competitive edge while balancing occupant comfort with maintenance costs.

We can help you by:

- Simplifying power management
- Tailoring the system to your unique needs
- Empowering your organisation with actionable information
- Improving electrical system health and operational efficiency
- Providing time-saving tools to ensure energy accountability and sustainability

Power management in buildings involves challenges that have been difficult to master. Until now.

77%

of electrical equipment breakdown causes could be reduced by having electrical preventive maintenance performed.

A SIMPLIFIED POWER MANAGEMENT SOLUTION FOR BUILDINGS

Schneider Electric now gives you a simple, effective way to ensure power reliability while reducing energy-related capital and operational expenses. Power Management Solution for Buildings offers a new and better way to extract the full value of your power.

This is a complete solution, specifically designed for buildings.

We've matched power management with the unique needs of your environment, and made it simple to integrate with your infrastructure.

"Integrating electrical systems with [a building automation system] can promote operational efficiencies, optimize maintenance staff effectiveness, and leverage fault diagnostics."

Michael J. Mar and Robert G. Knight,
Environmental Systems Design Inc., Chicago

DESIGNED FOR BUILDINGS. TAILORED FOR YOU.

Power Management Solution for Buildings is specifically tailored to the needs of commercial offices, education campuses, and government facilities.

We deliver a comprehensive solution that helps improve power reliability and efficiency, but doesn't involve a steep learning curve. You get the precise information you need to ensure uptime and equipment performance while managing energy accountability and sustainability.

You'll enjoy a complete solution based on a pre-tested, pre-validated reference architecture. This enables simplified installation, interoperability, and peace-of-mind.

How do we do it? With three smart pieces that fit together perfectly.

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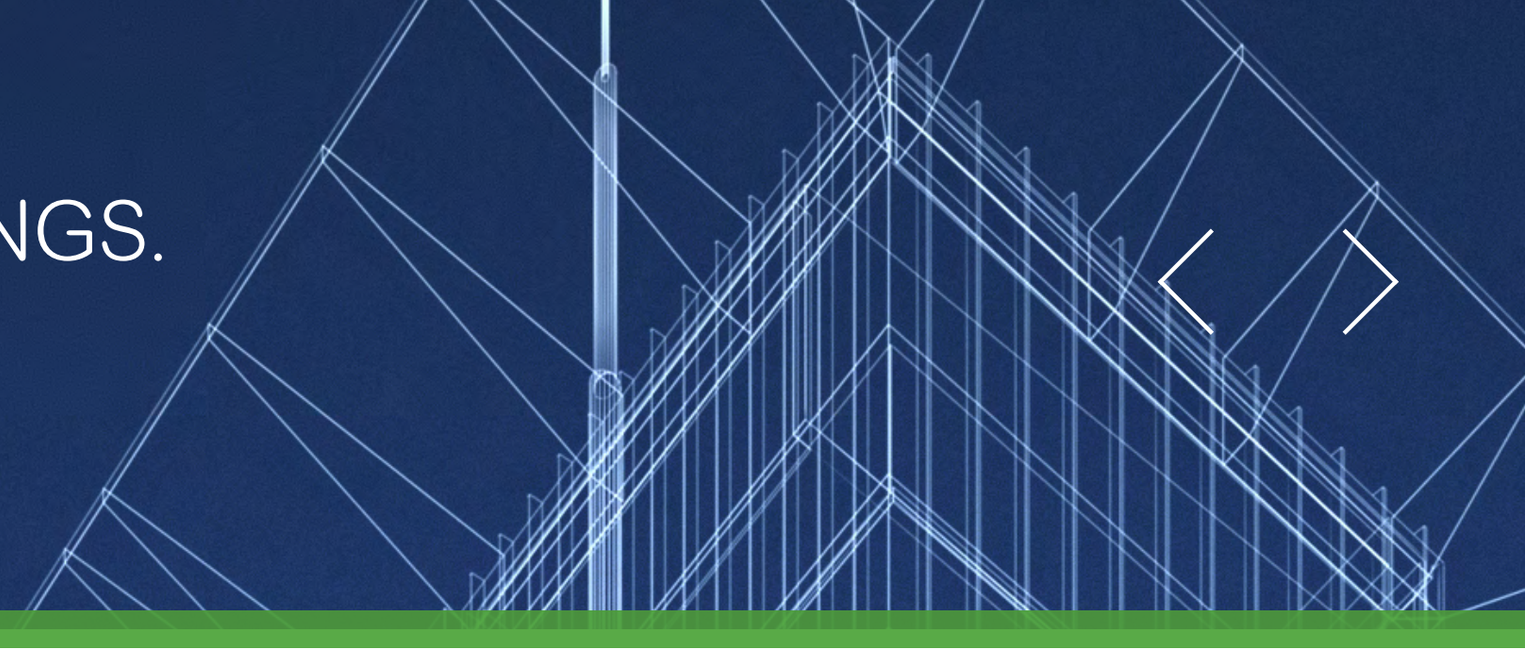

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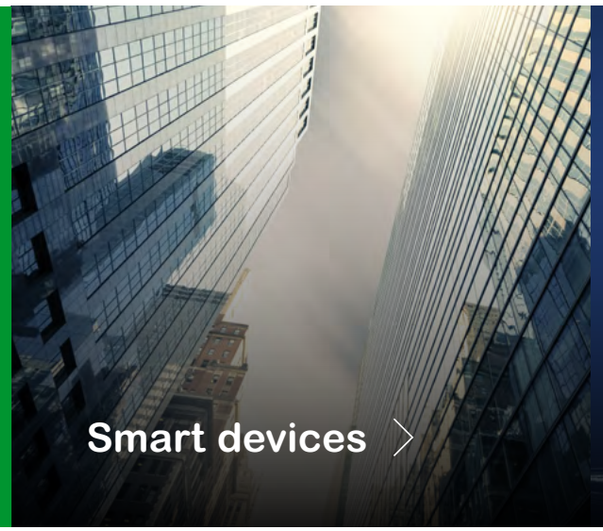
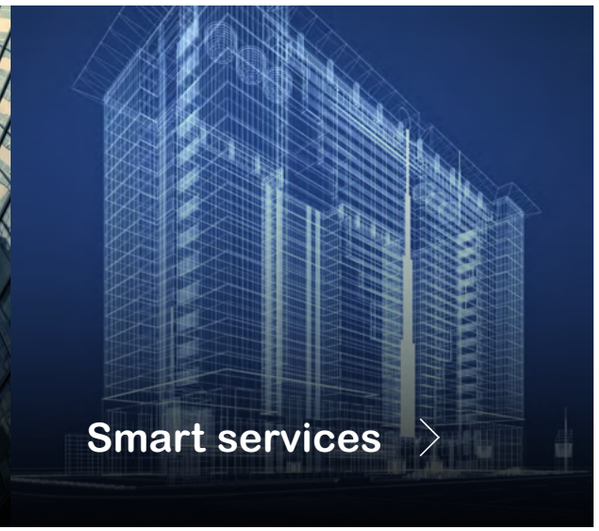
Smart software

StruxureWare™ Power Monitoring Expert, Buildings Edition, is the window to your entire power distribution network. It offers real-time monitoring, alarms, historical analyses, reporting, and a comprehensive set of energy management tools.





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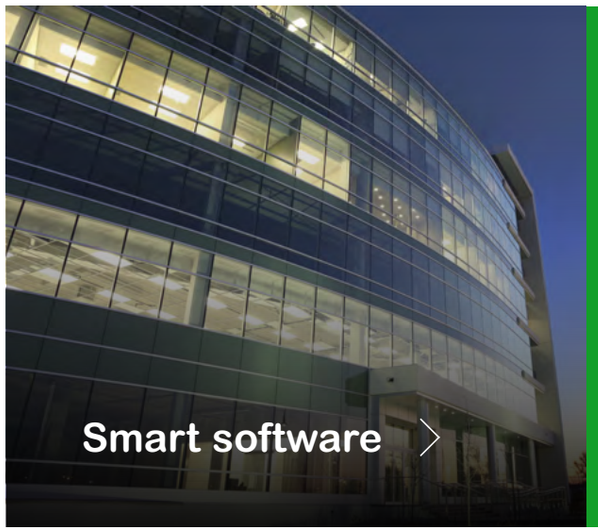
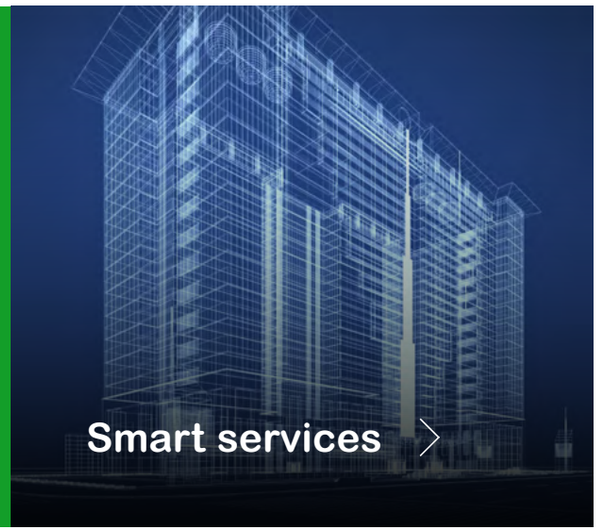


Smart devices

Intelligent, communicating protection relays, circuit breakers and power metering equipment give you facility-wide visibility and control over every aspect of your power.



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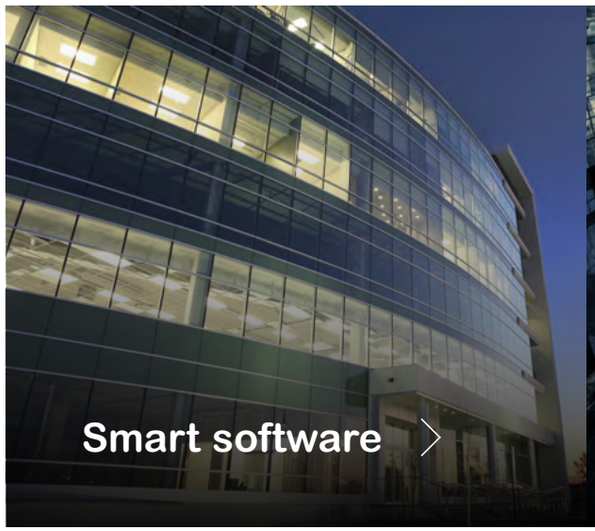

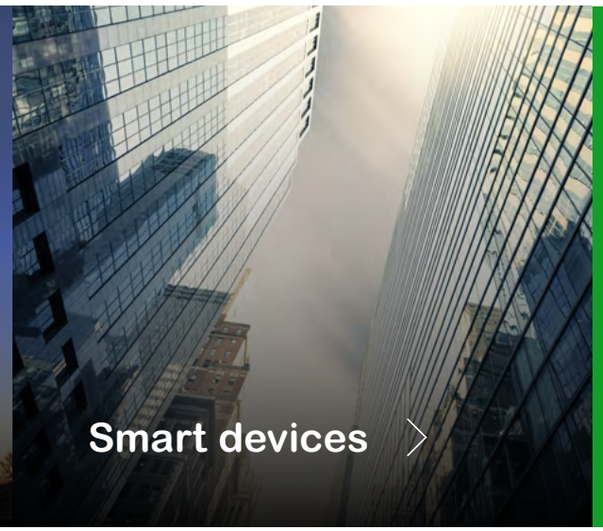

Smart services

Schneider Electric and its EcoXpert™ partners will customise and commission a solution to your needs, and maximise your investment throughout its entire life cycle.

EMPOWER YOUR ORGANISATION AT EVERY LEVEL

Power Management Solution for Buildings goes beyond traditional power management solutions. It simplifies your work life while getting the best out of your building environment. It's a unified solution that helps every level of your organisation understand and optimise power, energy, and building operations as an integrated strategy.

It does this by creating connections. Connections that streamline workflows and catalyze collaboration. Connections that bring together operational reliability, sustainability, and good business sense.

Connect to insight

Connect teams together

Connect building and power management

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Connect to insight

Each corporate, energy, facility, and maintenance leader gets appropriate, actionable power and energy data tailored to his or her needs.

Connect teams together >

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Connect to insight

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It's not just easier to monitor and manage power and energy. It's also easier to share information across the enterprise in formats everyone can understand.

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Connect to insight

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Connect building and power management

Embed power management directly in to the SmartStruxure™ BMS platform. This helps put occupant comfort and energy efficiency in proper, balanced context while enabling facility staff to gain a wider operational perspective from a single interface.

ENSURE THE HEALTH OF YOUR ELECTRICAL SYSTEM AND INCREASE OPERATIONAL EFFICIENCY

Having better visibility into the quality and availability of your power can mean fewer interruptions in the workday, less wear or damage to equipment, and fewer safety concerns for your building's occupants.

Power Management Solution for Buildings enables you to better monitor, measure, and optimise your building's performance throughout its life cycle. It gives you a simple view into the health of your electrical system, with fast access to data, responsive alerts and pre-engineered reports.

Diagnose electrical problems and improve response times

Avoid outages and prevent equipment damage

Optimise electrical system performance

Maximise energy performance of building systems

Up to 30%

of a building's operating budget can often be attributed to energy costs

ENSURE THE HEALTH OF YOUR ELECTRICAL SYSTEM AND INCREASE OPERATIONAL EFFICIENCY

Diagnose electrical problems and improve response times

Real-time status and time-stamped data logs let you quickly determine the location cause of a problem.

- **Diagnose electrical problems and improve response times**
- **Avoid outages and prevent equipment damage**
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ENSURE THE HEALTH OF YOUR ELECTRICAL SYSTEM AND INCREASE OPERATIONAL EFFICIENCY

Avoid outages and prevent equipment damage

Our intuitive interface lets you easily see whether you are approaching a trip setting.
Meanwhile, our equipment screens give you the information you need, when you need it.

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ENSURE THE HEALTH OF YOUR ELECTRICAL SYSTEM AND INCREASE OPERATIONAL EFFICIENCY

Optimise electrical system performance

Our visualisations let you improve system efficiency by balancing loads. This often uncovers excess “hidden” capacity in the system. You will also be able to find irritating power losses so that you can correct them.

- **Diagnose electrical problems and improve response times**
- **Avoid outages and prevent equipment damage**
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ENSURE THE HEALTH OF YOUR ELECTRICAL SYSTEM AND INCREASE OPERATIONAL EFFICIENCY

Maximise energy performance of building systems

You can pull in data from HVAC and other systems to evaluate their true power and energy consumption. Using this information lets you optimise your system settings.

- **Diagnose electrical problems and improve response times**
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TIME-SAVING TOOLS TO ENSURE ENERGY ACCOUNTABILITY AND SUSTAINABILITY

Whether you are responsible for one building, or an entire real estate portfolio, you can make the most of your capital and operating budgets. You can also meet sustainability goals and promote your achievements.

Power Management Solution for Buildings gives you easy-to-use tools to help reduce energy consumption throughout your facilities while working toward green building certifications.

The solution delivers the flexible reports and dashboards you need to understand and allocate costs, optimise energy spending, correlate electrical and mechanical data, and help with capital investment planning. You'll increase energy savings while having more money to spend on other priorities.

30%

of energy used in commercial buildings is wasted, on average

Source: US Environmental Protection Agency, US Department of Energy, 2015

Raise energy awareness to achieve conservation goals

Conduct energy analyses for improved efficiency

Allocate energy costs and share energy billing data

Prevent unnecessary utility charges

TIME-SAVING TOOLS TO ENSURE ENERGY ACCOUNTABILITY AND SUSTAINABILITY

Raise energy awareness to achieve conservation goals

Using our easy-to-set-up dashboards to display energy consumption, you can help drive occupant behavior.

Raise energy awareness to achieve conservation goals

Conduct energy analyses for improved efficiency

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TIME-SAVING TOOLS TO ENSURE ENERGY ACCOUNTABILITY AND SUSTAINABILITY

Conduct energy analyses for improved efficiency

Our reports and dashboards let you make comparisons across loads, floors, areas, buildings, and others. You can rank them, then decide which projects to tackle first.

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TIME-SAVING TOOLS TO ENSURE ENERGY ACCOUNTABILITY AND SUSTAINABILITY

Allocate energy costs and share energy billing data

With the billing module, you can easily set up tenants or cost centers, summarise data and send them energy charge-back bills. You can also easily export data to accounting or financial systems.

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TIME-SAVING TOOLS TO ENSURE ENERGY ACCOUNTABILITY AND SUSTAINABILITY

Prevent unnecessary utility charges

Together with our extremely accurate meters, you can verify your utility bill (often a source of errors) and help yourself avoid unnecessary demand charges as well as power factor penalties.

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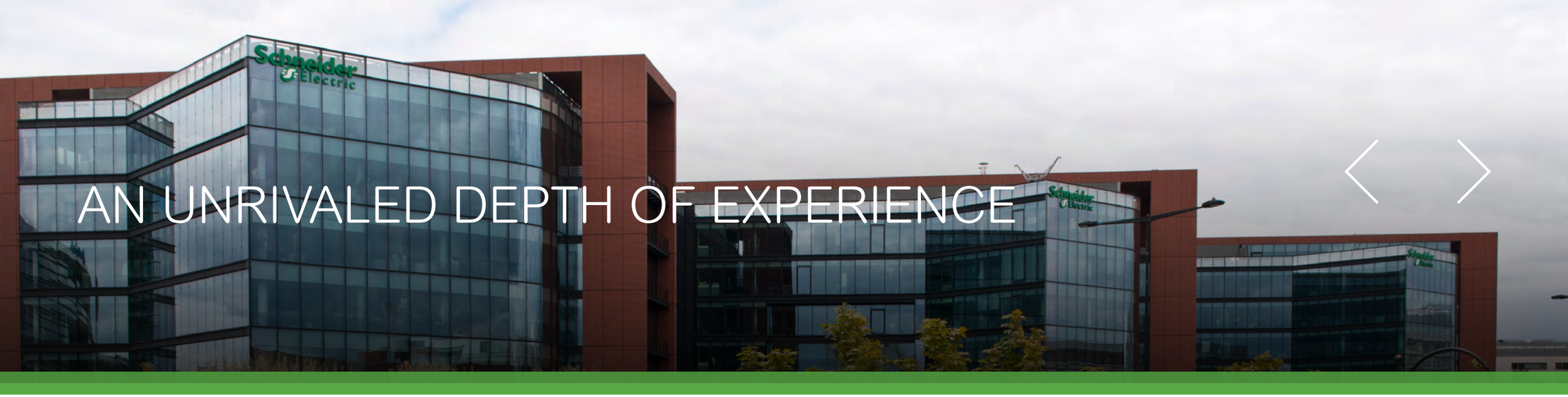
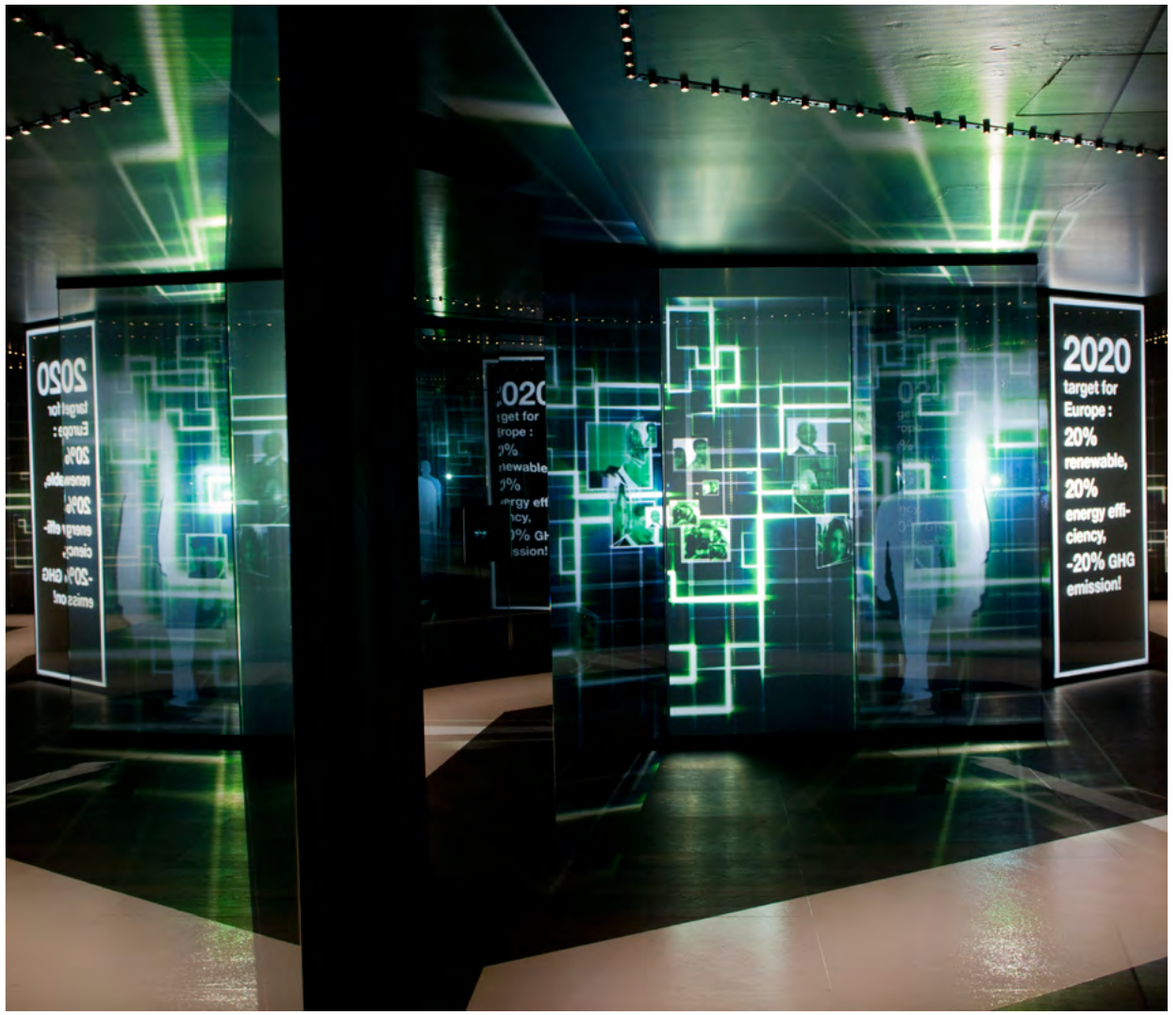


AN UNRIVALED DEPTH OF EXPERIENCE

Schneider Electric has worked for decades with power-critical businesses around the globe.

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

We offer a full range of proven, business-specific power management solutions, tailored for buildings, industrial plants, data centres, healthcare facilities, and more. Each is plug-and-play compatible with our entire family of energy and operations management solutions.



FOR THE SIMPLEST WAY TO ACHIEVE YOUR POWER MANAGEMENT GOALS …

Visit the Power Management Solution web page

View the demonstration video

www.schneider-electric.com

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