Make the most of your energy℠

> Get connected

criticalpowernow.com

Schneider Electric Data Center Solutions
Data Center Solutions

Making the connections...

...between IT and facilities:
Schneider Electric is the only company to view the data center as an interconnected environment. We call it the data center physical infrastructure, because it bridges all key data center subsystems and is the clear cost effective path to the highest availability and maximum efficiency.

Power, cooling, rack systems, management, services and physical security – Schneider Electric delivers expert solutions and services across these complex domains.

...between efficiency and availability:
We understand the need to reduce operating costs AND maximize energy efficiency – never at the expense of availability. For example, to enable worry-free virtualization, Schneider Electric’s cooling strategies combine facility-based perimeter cooling with hot aisle containment and row-based cooling – all monitored and managed via an integrated software platform. This interconnected solution achieves higher availability and better energy savings, while carefully controlling operating expenses.

...between design and deployment:
Only Schneider Electric features a highly experienced, cross-functional team of Data Center Solutions experts to manage your vendor relationships and provide customized but highly repeatable data center designs. This careful coordination from initial concept and design to startup and commissioning reduces delays and mistakes and improves speed to market.
Efficiency and Availability from Rack to Row to Room to Building

> **Power**
Schneider Electric power domain connects it all – from generators, transformers and switchgear to UPS systems, breakers and PDUs – to deliver cross-vendor interoperability.

> **Cooling**
Our integrated solutions combine chillers, perimeter cooling, hot aisle containment and row-based options to maximize efficiency and guarantee availability.

> **Rack Systems**
Interconnected, any IT vendor-compatible rack enclosures, accessories and air containment solutions easily support all your HD processing needs.

> **Management**
The ultimate connection, Schneider Electric’s exclusive integrated software architecture removes management ‘silos’ creating greater energy awareness and efficiency as well as higher availability across the entire data center physical infrastructure.

> **Services**
Any equipment. Any brand. Any time. Any place. Schneider Electric offers increased safety, lower life cycle cost and maximum electrical distribution system reliability for your peace of mind.

> **Physical Security**
Schneider Electric’s ‘single-seat view’ includes access control and surveillance across one or multiple facilities.

Make the most of your energy™
When power is mission critical

Mission critical businesses can’t always trust the power grid to supply energy. Rather, they require specialized equipment to meet their critical power needs in addition to normal power distribution equipment. This often includes automatic transfer systems, UPS systems, on-site generation, emergency power equipment, filtered power distribution, surge protection, static transfer, specialized cooling systems and interfaces to other building management systems. Designing, installing and managing systems of this complexity is no small task.

Schneider Electric combines best-in-class products and expertise with application-specific services to provide tightly coordinated, one-stop solutions to businesses in which ultra-reliable power is a requirement – not an option.

With hundreds of successful installations and growing, Schneider Electric specializes in meeting the specific needs of data centers.

Today, Square D® brand equipment appears in the data centers of some of the nation’s largest companies and government agencies. Whether Tier I or Tier IV, we design and deliver an ultra-reliable, tiered system that addresses even the greatest data center challenges.

People you can count on

To deliver reliable power, you need a reliable partner. With expertise in product and system design, power management and control, power system consulting and project management, our team ensures your operation runs smoothly 7/24/365.

Our data center experts

- Serve you through every step of a project
- Deliver optimized solutions up to 33% faster on average than a typical commercial project
- Create reliable systems that promise you peace of mind

Visit www.criticalpowernow.com
Power is critical to a majority of today’s businesses whose definition of ‘smart energy’ means achieving the right balance between reliability, efficiency and safety. That’s why Schneider Electric continues to deliver the leading brand in power distribution and circuit protection products to the nation’s largest data centers.

Schneider Electric’s Square D® brand is the most trusted name in the industry, offering a complete line of high quality medium and low voltage power distribution products designed to ensure a reliable supply of power in critical power applications, including:

> Drawout switchgear and switchboards
> Power monitoring and control systems
> Motor control centers
> Transformers
> Panelboards
> Busway
> Safety switches
> Distribution and control components

**Energy Efficiency Solutions**
Enterprise energy and power management systems, variable frequency drives and energy efficient transformers reduce operating costs. And, our factory integration capabilities shorten cycle times, save floor space and dramatically reduce installation costs. This interconnected solution results in higher availability and better energy savings, all achieved while carefully controlling operating expenses so you can put your money where it matters most.

Visit [www.criticalpower.com](http://www.criticalpower.com) to learn more.
Power Distribution & Circuit Protection

Masterpact NW Circuit Breaker
The latest generation of Masterpact NW breakers provides more options and flexibility to help you meet greater needs for circuit protection reliability. Schneider Electric’s innovative technologies provide higher interrupting ratings, a smaller footprint and more accessories than any other insulated case breaker.

- Complete product offering through 200k interrupting rating without fuses
- 800A to 5000A frames available
- Rated for all AC voltage systems through 635V
- ANSI short-time withstand ratings up to 100kA
- Simple, visual contact wear indicators
- Meets ANSI standard C37.13 and UL1066
- Full complement of field installable devices
- Four interchangeable Micrologic® trip units with PowerLogic® power metering, communications and monitoring capabilities available in advanced trip units
- Most common relay functions defined by ANSI C37.2 and C37.90 integrated into circuit breaker
- Electrically operated (optional)
- 4-pole breakers available
- No-maintenance mechanical/electrical testing
- Arc flash limiting breakers available

Mission Critical Circuit Protection
- Cost-effective alternative to electronic circuit breakers
- High-level selective coordination provides maximum thermal-magnetic circuit protection with minimal circuit interruption
- Unparalleled high magnetic withstand rating helps to prevent outages and minimizes downtime
- Wide range of ampacities for unique power system needs
- Factory preset magnetics take guesswork out of breaker adjustments
- Field-installable accessories permit easy customization using optional devices including shunt trips, under voltage, auxiliary switches, bell alarm and terminations
- Available in both unit mount and I-Line® Panelboard construction for easy installation
- UL 489 listed and CSA certified
PowerZone 4 LV Switchgear

The primary advantages found in ANSI-rated switchgear are the structure and breaker short-time withstand ratings (short circuit current withstand for 30 cycles). When properly adjusted, this allows main and feeder breakers to coordinate with downstream protective devices to ensure the device closest to the fault clears first.

This is very important when trying to coordinate with downstream main breakers in UPSs, switchgear or other downstream devices. In addition to short-time withstand ratings, other benefits such as 100% rated breakers (from 800A to 5000A frames), drawout construction and maintainability for extended life make low voltage switchgear the primary choice in data centers.

- Small, flexible footprint
- Extended maintenance intervals
- Segregated access to all wiring
- Easily added ‘smart’ functionality including communications interfaces and power monitoring and control capability
- Available up to 5000A bus rating
- Micrologic® trip units with power monitoring, control and communications
- Optional PLC-based auto transfer schemes
- Optional Transparent Ready™ communications with PowerLogic®
- Optional Surgelogic® TVSS
- Differential ground fault option for 4W systems with multiple sources
- Arc flash application options

QED-6 Rear-Connected Switchboards with Masterpact® NW/NT and Powerpact® C & D Breakers

Features individually mounted, drawout Masterpact circuit breakers rated through 5000A. QED-6 switchboards with Masterpact NW UL 489 Listed circuit breakers give Square D® the price-competitive, feature-rich advantage in power distribution solutions for a variety of applications.

- Drawout construction for quick circuit breaker change-out
- System requirements call for circuit breakers to close within 5-cycles
- Stored energy circuit breakers are required for reliability
- Front access to control wires desired for easy installation, maintenance, and upgrade
- Circuit breaker compartmentalization required for system integrity
- Segregation of circuit breaker compartments from bus and cable compartments for equipment isolation

Power
Distribution
&Circuit
Protection

Customized and repeatable solutions for complex data center subsystems, engineered to your specifications

- Switchgear
- UPS
- Building automation
- Cooling systems
Data Center Solutions

Schneider Electric’s Square D® PowerLogic® systems serve as a layer of intelligence across all of your energy assets, spanning power, building and facility systems.

Power Monitoring Solutions

What you know about your data center and equipment can provide timely information and corrective responses that reduce risk and administration costs. Schneider Electric’s Square D® PowerLogic® systems serve as a layer of intelligence across all of your energy assets, spanning power, building and facility systems.

Timely, relevant data is delivered to anyone that needs it, anywhere they are. It fits seamlessly with your workflow, and integrates tightly with other Schneider Electric power and automation solutions. PowerLogic solutions are highly scalable, letting you add modular components or upgrade your systems affordably as required.

With PowerLogic solutions, you can achieve savings, resulting in a quick return on your investment. We pride ourselves on reliable products, innovative systems, expert engineering services, and our ability to provide single-source energy and power management solutions.

It’s not just a concept to us, but rather a legacy and a promise for companies that seek an edge in productivity. That’s why leaders rely on Schneider Electric.

Schneider Electric fully integrates the entire data center including:

- Power
- Cooling
- Rack
- Management
- Security
- Services

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Full support for PowerLogic devices (including CM4 series, BCPM and Micrologic Trip Unit)

- Real time data
- Waveform captures
- Onboard alarms and events

High performance real-time power monitoring and control solution

- 1s response time; 1ms sequence event recording & alarming

Scalable to any application size

- +2000 devices; +200k tags

Redundant system architecture

- I/O server Hot/Standby redundancy: data acquisition uninterrupted even if PC fails
- Self-healing ring and double-ring technology

Outstanding reliability

- Powerful automation for operational continuity
- Comprehensive alarm/alert management for fast network recovery in case of incident
- Operational safety & traceability of all actions undertaken on the electrical network
- Ideal for electrical distribution control
- Load shedding, load sharing, ATO (auto throw over), Interlocking, peak shaving, etc.
Energy Efficiency and Cost Savings
Reducing energy costs through increased energy efficiency can be implemented in a number of ways. What is often lacking is the infrastructure to measure the success of energy efficiency strategies employed. Through data modeling and presentation software, it is possible to gain insight into the effectiveness of each energy reduction technique instituted.

Schneider Electric’s Square D® PowerLogic® ION® EEM enterprise energy management software, combined with expert services, helps unite business and energy strategies and delivers the actionable intelligence needed to support a complete energy and emissions management program.

Energy Efficiency and Cost Savings
Expose the true drivers of energy efficiency through a holistic approach that integrates all relevant inputs including data from existing facility-level power, process and building management systems, and weather and real time pricing feeds.

Accounting for all energy sources, electrical losses and end use loading
- Establishes relevant benchmarks by measuring, calculating, and normalizing energy use
- Cost allocation for all energy sources with multiple calculation methods including cost/sq ft, metered values or other set tariffs

Leverage accurate and reliable data across your entire enterprise, personalized for each stakeholder
- Establish best practices and enable sound financial and operational decisions
- Validate capital investments with energy simulation modeling based on actual equipment or building performance

Model and analyze energy performance in multiple dimensions: consumption, emissions, cost, time and quality
- Represent the data as energy metrics such as power usage effectiveness (PUE), data center efficiency (DCE) and greenhouse gas (GHG) emissions
- Track internal key performance indicators (KPIs) such as kW per CFM for cooling loads, total energy cost per square foot or other energy cost characterizations
- Predict system energy usage modeling potential change “what if” scenarios such as equipment changeouts or raised-floor additions
- Pinpoint opportunities with the highest ROI to verify success and optimize procurement

Power Monitoring
Square D®
PowerLogic® Systems
- Reduce downtime by detecting voltage disturbances before or while they occur
- Reduce energy costs by managing peak usage, improving power factors, automatic load-shedding and optimizing utility contracts
- Transparency of root causes or interruption and sequence of events improves reliability
Power Monitoring and Analysis

Data center contracts are a commitment to uptime. Although infrequent, data centers do experience outages that are typically due to one of four categories: human error, improper failover, overheating or equipment like the PDU, breakers or power strips. When a problem does occur, disaster avoidance and quick recovery is key.

PowerLogic® System Manager™ and ION Enterprise power monitoring software play a big part in the operational success of data centers. Responsible for automatically collecting circuit monitors and power meter information, the power monitoring software alerts facility management to potential power quality problems that when left undetected could lead to downtime.

PowerLogic BCPM Branch Circuit Power Meters

The PowerLogic BCPM is a highly accurate, full featured metering product designed for unique, multi-circuit and minimal space requirements of a high performance PDU or remote power panel (RPP).

The BCPM monitors up to 84 branch circuits and the incoming power mains providing information on a complete PDU. Full alarming capabilities ensure that potential issues are dealt with before they become problems.

The flexible BCPM fits any PDU or RPP design and supports new and retrofit installations. With dynamic range, accuracy and optional feature sets, it meets the energy challenges of mission critical data centers.
Sequence of Events Recording (SER)
When equipped with sequence of event recording, a PowerLogic® system provides precise millisecond time-stamped event identification that gives root cause analysis necessary to take corrective action and avoid future incidents. By seeing “what went first, and when,” the amount of time to diagnose electrical system maladies can be reduced to minutes, potentially saving millions of dollars in downtime, and help quantify the issue to avoid it altogether.

PowerLogic Meters
Located at main incoming power, UPS output, generator, and paralleling switchgear throughout the data center, PowerLogic meters provide:

- **Disturbance direction detection** – Indicates upstream or downstream occurrence to locate the source of a disturbance in relation to the meter providing a level of confidence
- **Harmonic power flows** – Meters at the point of common coupling measure harmonic power flow to help determine whether harmonic currents originated inside or outside the facility
- **Impulsive transient detection (CM4000T)** – Capture extremely short duration (200 nanosecond) voltage events to determine their source and verify the adequacy of transient mitigation equipment
- **Waveform capture** – Find the toughest power problems to the 255th harmonic
- **Flexible I/O for pulse counting** – Shift energy logging, energy trending, forecasting and more

PowerLogic meters provide:

- **Electrical Equipment**
  - High voltage
  - XMFR alarms
  - Switch position, blown fuse indication
  - Protective relays
  - Relays (under frequency, over frequency, current unbalance, voltage unbalance, under voltage, over voltage)
  - Low voltage distribution
  - TVSS, blown fuse indication
  - Breaker status (open, closed, tripped, breaker cradle position)

- **ATS & STS**
  - Status (auxiliary contact)
  - Phase synch alarm
  - Summary alarm

- **UPS, PDU**
  - Status (trip or switch-to-bypass)
  - Summary alarm (auxiliary contact)

- **Generation Bus**
  - Generator differential relay 87
  - Breaker status
  - Lockout relay
  - Voltage phase balance
  - Ground fault
  - Reverse power
  - DC bus voltage relay
  - Battery charger alarms
Integrated solutions move you into the future

Technology continues to evolve faster than physical environment can. This is because server room designs were never intended to handle the high-density power, cooling and management challenges today’s trends like consolidation, virtualization and blade technology.

High-density computing requires a reliable, redundant power backup system, along with proper cooling and the ability to monitor key data center environments...and virtualization means that power and cooling availability becomes even more critical.

These factors mean that your server room becomes more crucial to your business goals every day...but that does not require you to re-engineer your old server room or spend a fortune building a dedicated data center.

Introducing the Total Server Room Solution
Easily deployed, rack-based, and reliable, the Schneider Electric APC® Total Server Room Solution includes power, cooling, monitoring and management components...all the elements you need, bundled together in one solution.

Everything has been pre-engineered to work together and integrate seamlessly with your existing equipment. Its plug-and-play approach fits into most any space – no need for additional cooling configurations, expensive mechanical re-engineering or total build-outs. The modular, pay-as-you-grow design lets your server rooms keep pace with ever-changing demands.

Schneider Electric’s APC InfraStruXure® fully integrates power, cooling, rack, management, security and services. This on-demand architecture allows the selection of standardized components to create a solution through modular and mobile configurations. InfraStruXure is available for any IT environment, from wiring closets to large data centers.
A single solution solves a multitude of challenges

The total server room solution is built on the flexible InfraStruXure® architecture for a holistic approach, in an optimized rack-design for the reliability and high availability today’s computing craves.

> **Cooling** for every scenario. Effective and energy-efficient InRow® cooling units handle high-density heat at its source, and unique, variable-speed fans automatically adjust to meeting changing heat loads.

> **Power** to perform. Energy-efficient, ultra-reliable Smart-UPS® and Symmetra® UPSs offer customers scalable runtime. And, rack-mount power distribution units (PDU) ensure that a wide variety of devise get plugged in and powered.

> **Environmental monitoring and management** provides total remote control for your data center. PoE-enabled temperature sensors let you keep an eye on conditions.

> **Enclosures** with superior door ventilation. Vendor-neutral NetShelter® SX racks handle high-density airflow and power needs. And, neat cable management capabilities improve uptime, efficiency and closet appearance.

**Easy to manage**

Because Schneider Electric’s APC® total server room solutions are pre-engineered, the complexity and hassle of configuring server room needs are eliminated. So you’ll have more time to run your business and still keep pace with the ever-changing demands of the IT environment. Our total server room solutions are:

> **Easy to configure:** Web-based tools enable easy product selection and solution configuration; multiple channel partners offer a wide range of service options.

> **Easy to install:** Drop-in-anywhere raised or non-raised floor, IT space or non-IT space. Installation services are available too.

> **Easy to operate:** Solutions include simple, easy-to-use software to aid in all power and cooling solution decisions.

**Future-proof too**

Our APC total server room solution offers a quiet, secure, cooled enclosure for environments without dedicated space, creating a proper IT ecosystem with unprecedented visibility and power protection for today, tomorrow and beyond. We’ve eliminated the building and facility management challenges so you can have “a closet anywhere!”

www.apc.com
The 4C’s of Energy Management

Simple changes to the way your organization approaches energy use can help recoup your losses and put those wasted dollars back into your budget.

> **Best-in-Class Components:** Award-winning solutions from the industry's number one brands. Schneider Electric's APC® and MGE® UPS Systems are backed by the industry's broadest service footprint to ensure your best choice in power, racks and cooling.

> **Close Coupled Cooling:** Data centers are more efficient by design, eliminating the outdated ‘circle the wagons’ approach to room design by closely connecting heat generation to the cooling.

> **Containment:** Containment of hot air created by high density applications such as blade servers leads to a predictable, repeatable power and cooling architecture.

> **Capacity Management:** Our software ensures quick and efficient technology rollouts without surprises and downtime. Go from design to management using one powerful platform across all your power and cooling architecture.

Schneider Electric gives you a competitive edge when it comes to configuring a highly available, agile, and lower cost IT installation.

With InfraStruXure, first determine your current required level of redundancy, kilowatts of power and cooling, power density, and number of IT racks.
Schneider Electric APC® Trade-off Tools

Schneider Electric APC Trade-off Tools help you make informed decisions BEFORE designing your data center. Our thought leadership allows you to quickly determine costs, efficiency and your carbon footprint by:

- Size
- Density
- Redundancy
- Architecture

Thought Leadership

Data Center Capital Costs
Power Cooling & Efficiency
Carbon Footprint

Visit www.apc.com to learn more.
One of the most important business objectives for colo or commercial data centers is to ensure you satisfy your customers’ Service Level Agreements. This means you must strike the perfect balance among the competing demands of high-density computing, essential cooling at all times, and the stresses placed on your electrical and cooling infrastructure.

Schneider Electric’s Data Center Solutions helps data centers worldwide to monitor and capture hundreds of data points, then integrate, manage and transform raw data into actionable alarms, displays, and reports that facilitate better informed decisions. The result is a significant reduction in cost and energy consumption as well as improved operational uptime and increased productivity.

Because data center downtime leads to lost transactions, corrupted server data, network traffic disruptions, unavailable hosted applications, financial losses, and potentially unhappy, lost customers, our solutions are designed to ensure your data center avoids such catastrophes. Our systems monitor, collect, integrate and display real-time data in a single frame so that data center managers can access and analyze that data quickly and respond proactively.

With Schneider Electric’s Data Center Solutions, you can monitor and respond to events, ensure reliability, improve performance, and avoid costly downtime.
Building Management Systems

Your data center is a complex, dynamic environment that depends on multiple factors:

- Systems that manage power feeds into the building
- Building management systems (BMS) that handle lighting, security and energy management
- White space requirements
- Multiple software applications

As energy-intensive data centers grow to meet changing business needs, the demand for quality power continuously grows. And the ‘always on’ requirements usually mean adding high density, power-hungry, heat-generating IT equipment that may significantly impact CAPEX, OPEX and PUE (power usage effectiveness) numbers. Such a fragmented approach to managing all these elements, however, not only makes it difficult to monitor energy use across multiple components, but also proves to be very costly.

Driving energy efficiency in data centers therefore requires systems integration...

**The point of convergence is the BMS.**
Building Management Systems

The demand for a more reliable, secure and energy efficient facility is growing. That is why many corporations trust Schneider Electric to deliver the intelligent building solutions that lower capital expenses and reduce operating costs. Our solutions enable you to integrate power, white space and facilities – connecting all IT assets with physical infrastructure.

Experience our Reliable Solutions

Our systems monitor, collect, integrate, and display real-time data in a single frame, so that data center managers can access and analyze it quickly, and avoid potential problems.

Operators and management are alerted immediately in the event of a potential or real failure. In doing so, the expectations of your customers are met. Our systems will help keep your applications running 24/7/365. When your data center is this reliable, you realize a lower total cost of ownership (TCO) – allowing you to focus on improved performance and disaster avoidance, instead of disaster recovery.

Cooling IT gear typically consumes 50% of the power used by a data center. Effectively managing the heat load minimizes the risk of downtime and manages energy costs. How can you do this? With Schneider Electric’s Building Management Systems (BMS)...we help you answer your most pressing energy-efficiency questions such as:

> How much power am I using?
> What IT services are costing me the most in power consumption?
> How do I maximize my power with new technology changes like virtualization and cloud computing?
> How much money can I save?

One single management system for a data center’s physical infrastructure delivers a common view of energy, enabling data center management to tie energy into the service management of IT assets. Our systems collect and analyze key power consumption data, temperature, and humidity in real time, and automatically adjust cooling and lighting. And, our secure web portals allow you to easily and securely access reports on power quality, personnel access, and critical alarm history...even from remote locations.

With BMS Solutions from Schneider Electric, you not only improve your bottom line – you access critical information more quickly, easily and securely.
Access Control Solutions by Schneider Electric

Access control solutions by Schneider Electric allows data centers to assign access protocols and authorize and monitor those who enter the facility – preventing security breaches and sabotages that can otherwise risk data loss, equipment damage and costly downtime.

> Access Systems – biometric, card, and keypad access systems restrict unauthorized access to your data center facility. Establish role-based permissions by individual or group to enable specific access control on pre-determined schedules. Or, grant individuals temporary access codes based on their need and on your schedule.

Schneider Electric’s security technologies provide optimal access control to secure your data center facility.

> Video Surveillance – state-of-the-art video surveillance and analysis technology further protects your most important data center assets. Under the watchful eye of our cameras, video analytic software examines a camera’s field-of-view for patterns of movement that match abnormal real-life events like abandoned items, fence-climbing, lurking, and jumping trip lines. Alarms alert security personnel immediately upon occurrence, allowing facility managers to focus on unusual events rather than all events simultaneously.

> Building Management Systems – significantly reduce installation and operating costs by integrating life safety and security systems with your building management system. Control your entire facility via a set of networked stations and a single browser interface, so you can manage diverse building functions like environmental and access controls, power reliability and quality, video security and alarms.
Integrated Security Systems

Experience flexibility, scalability and peace of mind with Schneider Electric’s security over IP solutions

There’s no question that IP convergence is a revolutionizing trend in business. Enterprise networks provide a useful, cost-effective backbone to facilitate timely, business-critical communication. The convergence of voice, fax, data, image and video information into a single IP network is transforming how companies interact with customers, employees, and suppliers.

Single Platform Solutions

As security systems converge with IP networks, Schneider Electric offers single platform solutions where video security, access control, intrusion detection, photo badging, paging, alarms, fire & smoke control, and emergency communication all work together within a greater system. This level of convergence creates scalable and easy-to-use solutions that deliver flexibility, reliability and peace of mind.

And, because our solutions support both analog and IP equipment, we protect your investments in existing systems while providing a future-proof path for IP migration. With our clear understanding of IT challenges and opportunities, we continue to broaden the market’s understanding of what IP-based security can mean to your unique application.

Security Connected to IT, HR, Finance...and your BMS

From a single software platform, systems work together, collecting and sharing vast amounts of facility and financial data. This creates a reservoir of business intelligence that you can use to make real-time decisions necessary to improve business performance. Forecast, control and manage your facilities like never before while creating a more productive, energy-efficient workplace.

Our commitment to open architecture means that we provide you with a fully customizable solution. We support every major communication standard in security management and building automation, and our solutions fully integrate on one network – across enterprises. So, you’re free to choose best-in-class solutions for each need, ensuring your systems continue to work together without locking you into one vendor or technology.

Schneider Electric believes that less is more. A single system where security, power, lighting, electrical distribution and HVAC integrate with IT, Finance, and HR, is not only easier to manage – it also delivers significant savings both during installation and throughout continuing operations. That’s where you find real, measurable business value.
Your trusted security partner

Over the years, Schneider Electric has handpicked companies like Control Systems International, Andover Controls and TAC to create the most distinguished integrated security offer in the market. Together with our video security company, Pelco, Schneider Electric is uniquely positioned to deliver the industry leading technologies and expertise that create the most secure business environments in the world.

As a global specialist in energy management with operations in more than 100 countries, Schneider Electric offers integrated solutions across multiple market segments. We are a recognized leader in energy and infrastructure, industrial processes, building automation, and data centers & networks, and maintain a broad presence in residential applications.

Total System Control Solutions

Integrated Systems
- HVAC Control
- Card Access
- Surveillance
- Fire & Life Safety
- Lighting Control

Environmental Monitoring
- Alarm Monitoring
- Tenant Billing
- Energy Reporting

Enterprise Video Solutions
- Video Analytics
- IP-Based
- Video Data Mining

Branch Circuit Monitoring
- Daylighting

Systems integration means business value. And, a single source for vital information allows you to:
- Increase system reliability
- Facilitate maintenance management
- Extend equipment life cycles
Comprehensive Data Center Services

Schneider Electric delivers engineered solutions designed to increase safety, lower life cycle cost and maximize power system reliability. Whether your solution requires refurbishment, replacement, or recommendations for optimizing existing equipment, our nationwide network of qualified experts provide the expertise and accessibility necessary to deliver a complete service package specific to your needs.

Dedicated to maintaining and improving system efficiency and productivity, Schneider Electric leads the industry with world-acclaimed power engineers with the expertise and resources you require of power, automation and control system services to keep your processes at peak operational performance at any time in any place.

That’s why we offer the most essential data center system studies and maintenance protocols necessary to ensure efficiency without sacrificing system reliability so your customers are assured continuous uptime 24/7/365. Services solutions include:

- **Complete System Assessments** – prevent problems and increase operational efficiencies by using industry best practices
  - Power Quality Assessments
  - Power Loading and Cooling Analysis
  - Thermography Assessments

- **Safety & Code Compliance Audits** – codes and standards review provides essential power system documentation, improves reliability and ensures service to new loads
  - Arc Flash Safety – NFPA70E compliance solutions
  - Short Circuit and Time Current Coordination Studies

- **Identify opportunities to improve complex energy and power-related issues across the entire data center for optimal system operation and safety, including:**
  - Energy Performance Contracting
  - Preventive Maintenance and Testing
  - Software Reconfiguration and Recalibration
  - Remote Monitoring Services
Schneider Electric is your one source of service expertise on all major brands of electrical equipment throughout North America. Whether you require start-up, preventative maintenance, comprehensive refurbishment, or reconditioning on your data center equipment, Schneider Electric provides the most complete services solutions available from rack to row to room to building.

Make the most of your energy™