

Redefining Security for the Modern Facility

TAC I/A Series
Andover Continuum
Security Solutions



Make the most of your energy

Schneider
Electric



Protecting
your people,
property and data

Trust your facilities to a leader in security systems

The world is changing rapidly. Companies and government agencies are recognizing the vital need for secure people, property and data. New security standards are emerging worldwide, often driven by government regulations. And of course the technology that supports security is evolving at an ever-increasing pace.

In this age of heightened security and change, you need a partner who can help you stay ahead of the curve. That partner is Schneider Electric and the Andover Continuum security solutions. We offer the technical knowledge and skills to work with IT and leverage your existing technology investments, and we understand how to create cost-effective solutions that make good business sense. When you need a complete security solution, Schneider Electric puts it all together.

Security involves more than making the best choice in products and features. It requires the ability to

coordinate and integrate your various security systems so you can effectively protect people, property and data.

Andover Continuum is one of the few security system solutions designed, manufactured and supported in-house, from a single company. With our integrated security systems you can respond rapidly to emergencies and plan more effectively for tomorrow's security challenges. Integration from a single source also reduces the cost of operation due to efficiency gains in installation, training and maintenance. And it increases your flexibility by making it easier to add security components while keeping capital expenditures low.

One integrated security system from a world leader. That's how Schneider Electric puts it all together.



Award-winning solutions – Schneider Electric received the Frost & Sullivan 2006 Excellence in Technology Award in the field of integrated building systems, in part for the Andover Continuum security solutions.

Leverage all of your systems

Andover Continuum is based on industry standards, so security systems can be easily and seamlessly integrated with other business systems to create greater synergy, improving both business value and security.

For example:

- A highly secure government facility links their Human Resource database to their cardholder access system with Andover Continuum. This tight integration ensures that everyone's access rights are fully up-to-date at all times, and that each person who enters the facility has the proper clearance, thus helping the facility meet government mandates for security. The cardholder access system is also linked to the stockroom, improving control and reporting of parts removal and inventory.
- A transit authority uses security cameras integrated with video analytics software, plus other intelligence capabilities, to count the

number of people waiting at its subway stations at different times of the day. This data helps officials optimize their train schedules and alleviate crowds, thus reducing security risks while improving profitability and user comfort.

- A nation-wide retail chain used a combination of video monitors and employee information from the Business Management System to uncover an employee theft operation that involved the stealing of returned goods. The integrated systems helped the firm recognize the unusual losses occurring from returned stock, and then pinpoint and document the actual crimes.

Schneider Electric systems are at work in thousands of facilities around the world. Whether your organization is in healthcare, life sciences, government, education or business, Andover Continuum is a proven solution to your security challenge.

"The kind of confidence we have in the Andover Continuum system only comes over time. And over time, we have developed a very high degree of confidence."

[Director of Security,
Dever Art Museum](#)

Security beyond the ordinary

Schneider Electric takes you further than traditional security systems. Our integrated approach—combining everything from video monitoring to access control to intrusion detection—delivers more complete security understanding. For example, you can create reports for any event, with details down to the exact access point, so you can troubleshoot security breaches more effectively, or recognize and correct faulty equipment more rapidly. You can also connect security systems with personnel information, so you know exactly who accessed what areas and when.

Powerful system-wide control from workstations or the web

Andover Continuum gives you a single view of all your security systems, through user-friendly workstations or over secure web links. With a single picture of security, and one view of all systems, you can monitor, control and secure your facilities like never before.

Our information tools include:

- Unmatched graphics for a comprehensive, powerful view of facility security
- Seamless integration with digital video
- Advanced alarm management
- Intelligent yet user-friendly reporting
- Flexible access scheduling
- Customized forms and templates for editing and managing personnel access rights
- Effective identification through photo badging or biometrics

Access control – protect every access point in your building



The Andover Continuum access control solution blends long experience in access control with the latest technology to bring you a feature-rich solution.

Our access control systems are designed from the ground up to meet the most stringent security requirements and government regulations. They are easy to network with Ethernet support, and they provide encryption and authentication to enable tamper-proof communications between controllers and Andover Continuum workstations.

Easily control access points such as:

- Doors
- Gates
- Parking garages
- Elevators
- Production areas





Seamlessly integrate with Identity and Card Management Systems

Glass breaks, tampers, and motion detectors can cause a video feed to pop up on the workstation

Intrusion detection – Detect early, respond rapidly



Andover Continuum connects easily with most intrusion sensor devices, allowing you to integrate these systems with your overall security network. You can send intrusion alarms, create reports, and graphically view security incidents on your workstation. Intrusion events can also trigger automatic responses; for example, a glass-break alarm or motion detector can cause a video feed to pop up on the workstation.

Use Andover Continuum for a complete security overview:

- Motion detection
- Cabinet tamper
- Glass break
- Duress
- Arm/disarm zones
- Digital dialer integration

Digital video management – The latest technology, Seamlessly integrated



Schneider Electric offers a full suite of solutions for video management and analysis. You can view live or recorded video on-demand for any alarm or event. To quickly pinpoint potential security breaches and significant events, our video content analysis software provides real-time alarm and forensic tools for tracking events, thus eliminating the need for constant monitoring.

As a part of an integrated security network, our video management systems offer powerful benefits such as:

- Link multiple cameras per alarm or point for automatic display
- View live or recorded video on-demand for any alarm or event
- Easy storage, search and control of digital recordings on hard disk
- Integrated pan-tilt-zoom controls to view every area effectively
- IP support for easy connectivity

“The new digital video recording technology makes our jobs a lot easier. The peace-of-mind that digital recording provides us allows us to focus on our primary goal, which is educating our students.”

**Coordinator of Student Services,
Harrison School District Two,
Colorado Springs, Colorado**

Advanced security features are built into Andover Continuum

Rapidly “lockdown” areas when potential threats are detected

Area Lockdown lets you quickly seal off areas in an emergency. You can disable card readers and exit requests with a simple click of a graphic or an automatic program response. First responders can still gain access with “executive privilege”.

Automatically adjust access rights when condition or “threat” levels change

Andover Continuum lets you easily change access rights in response to changes in security conditions (threat levels). The Condition Level may be set manually at a workstation or automatically through a program. Assign up to 255 customizable condition levels for local security needs.

Seamlessly integrate with identity and card management systems

Andover Continuum is designed to work with the latest Credential Management Systems (CMS) that conform to FIPS (Federal Information Processing Standards) developed under U.S. Homeland Security and other heightened security standards. Our systems can pull the information from your CMS or other identity management database for use in the card access system, so you only enter the data once. The result is simplified business operation and improved security.



Working with IT and all of your building systems to deliver a total solution

Schneider Electric has deep experience in working with internal IT teams to create seamlessly integrated solutions that leverage existing technology resources. We understand how security technology affects the IP network, and how to integrate it smoothly for optimum performance and minimal disruption.

Andover Continuum systems are IT friendly and standards-based, with SNMP, advanced encryption, and other essential features for the corporate network.

Secure, encrypted Communications

Andover Continuum provides several features to enhance communications security, including:

- Internet Protocol Security (IPsec) and Internet Key Exchange Protocol (IKE) to ensure confidential and tamper-proof communications between Andover Continuum controllers and workstations.
- Secure Socket Layer (SSL) to provide secure communications via the Web, using a private key to encrypt data.



“Schneider Electric’s high technology approach provides us with the best of what’s out there. And the company continues to respond to our needs.”

Senior Systems Associate,
Merck & Company

Keep your personnel data up to date and synchronized with LDAP

Lightweight Directory Access Protocol (LDAP) is an Internet protocol used by email and other programs to look up information from a server. With our LDAP support, you can import personnel data into your security system from external systems such as Human Resources (HR) and Information Technology (IT) databases, saving time and assuring that data is consistent and accurate.

Seeing the big picture. Delivering the solution

Forward-looking businesses are integrating their security systems with their Building Automation Systems (BAS) and ultimately their IT and Business Management Systems to fully leverage their investments and add value to their bottom line.

Schneider Electric is helping companies achieve that goal through a complete approach to integration of building controls system. Companies that choose TAC I/A Series for environmental control, fire safety, lighting, and other building systems realize significant savings through improvements in building control, worker comfort and productivity, energy efficiency, and decreased maintenance costs.

Our combination of technology expertise and security know-how are the perfect complement to your organization’s IT staff. Together, we can help you build a total, secure environment for your facilities.



A fully integrated building—from security to fire to HVAC and lighting—is not only more comfortable, productive and cost-effective, but also more secure. For example, a fire alarm can trigger a whole series of events, either automatic or from your TAC I/A Series and Andover Continuum control stations. You can seal off areas, activate smoke evacuation, direct video monitors to record key events, and use access control to know who is still in the building. Later, you can use all of the information gathered by the system to improve operations, safety and security.

Reaping returns on security investments

The Principal Financial Group, headquartered in Des Moines, Iowa, is managing security for more than 20 buildings and some 2,000,000 square feet of floor space with an integrated Andover Continuum solution. The solution includes access control systems and more than 100 integrated CCTV cameras.

But integration goes beyond security alone. For example, operators can click on an aerial-view photograph and drill down to floor plans with entry points and access histories updated in real time. Human resources can automatically download data to the Andover Continuum database, so employees in field offices do not have to travel to corporate headquarters for badging—it is done on-site using the latest digital camera technology.

“We are very pleased with the Schneider Electric products and service. Owen Roberts International Airport is poised to meet the challenges of our industry in the 21st century. We welcome our business partners as we move ahead with our recovery and expansion plans.”

CEO,
Cayman Islands Airports Authority

By integrating security with other building systems, the Principal Financial Group is achieving improved ROI and security.

Schneider Electric

One High Street
 North Andover, MA 01845 USA
 Phone: + 1 978 975 9600
 Fax: +1 978 975 9698
www.schneider-electric.com/buildings

All brand names, trademarks and registered trademarks are the property of their respective owners.