



AC2000

AC2000 INTEGRATED SOLUTIONS;
AC2000 IS A POWERFUL AND FULLY
INTEGRATED ACCESS CONTROL AND
SECURITY MANAGEMENT SYSTEM.



WHAT CAN AC2000 INTEGRATED SOLUTIONS OFFER YOU?

THE POWERFUL AC2000 ACCESS CONTROL SYSTEM INTEGRATES WITH VARIOUS THIRD PARTY SECURITY AND BUSINESS APPLICATIONS. THESE INTEGRATED APPLICATIONS CAN BE EASILY MANAGED FROM THE CENTRAL AC2000 PLATFORM, PROVIDING A SEAMLESS SECURITY MANAGEMENT SYSTEM (SMS) FOR ACCESS CONTROL, VIDEO, FIRE, INTRUSION AND MORE.



Industry standard integration tools

AC2000 provides an advanced level of integration by using industry standard interfaces to link with third party systems. AC2000 can typically integrate with a range of deployed security sub-systems such as intruder, fire, video, perimeter detection systems and many more.



Integrated command & control

CEM have a dedicated in-house integration team, which provide high level integrations using third party SDK's, to meet the ever increasing global demand of integrating AC2000 fully with other third party solutions. AC2000 can effectively monitor for a condition in one integrated sub-system and cause an action in another. For example, view live video pop-up upon a perimeter breach or intruder alarm.

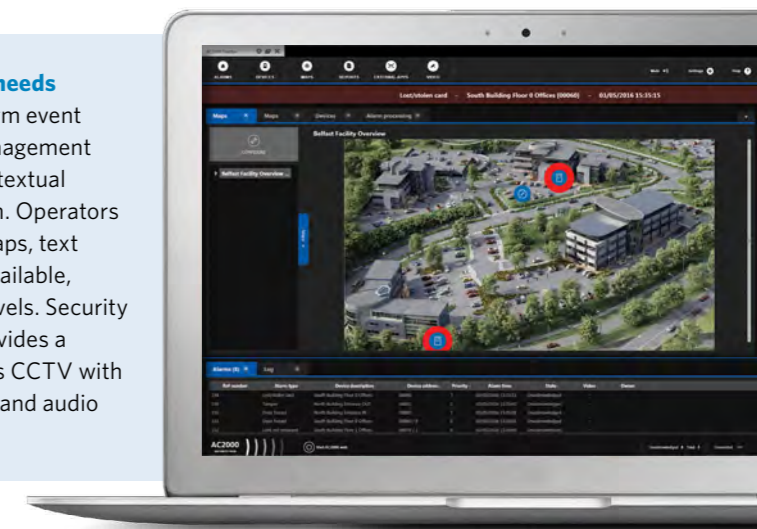


Flexible, customized solution

With CEM uniquely manufacturing both the system hardware and software, AC2000 can be further customized to meet client's unique requirements, making it one of the most comprehensive security management systems available.

AC2000 Security Hub; The center of all your security needs

The AC2000 Security Hub application is the central alarm event display for integrations within the AC2000 security management system. Security Hub provides a dynamic graphical and textual representation of the status of the entire security system. Operators can choose how they want to view alarms - graphical maps, text alarms list or both. Advanced graphical maps are also available, displaying any number of maps, floor levels and zoom levels. Security Hub responds to all alarm situations in real time and provides a dynamic on-screen interface to external systems such as CCTV with facilities for CCTV switching, remote door broadcasting and audio output in response to alarm events.



INTEGRATION PARTNERS

CEM WORKS WITH A RANGE OF INDUSTRY LEADING PARTNERS TO PROVIDE POWERFUL INTEGRATIONS THAT LINK SEAMLESSLY TO THE AC2000 SECURITY MANAGEMENT SYSTEM.



Video Integration

AC2000 video integration provides the ability to associate access control alarms with digital video clips. This enables AC2000 to act as the central Security Management System (SMS) and AC2000 Security Hub to act as a single command and control center for all alarms and associated video. Available AC2000 Security Hub functionality includes live video feed, 16 way virtual matrix, recorded video playback, live video pop-up and much more.



Intrusion

Alarms from intruder detection systems can be displayed on AC2000 Security Hub, providing a single alarm display screen. This means alarms can be monitored and acted upon from the AC2000 central server just like other alarm events from the access control system. A virtual keypad is also available where supported, allowing the operator to cancel an alarm in the same way they would using the physical alarm keypad but via the AC2000 software.



Fire

AC2000 integration with fire panels allows fire alarms to be reported instantly on AC2000 Security Hub application for central monitoring. Fire panels integrated into AC2000 access control with video and other security solutions increase the safety of the facility and the personnel on site.



Perimeter detection

Seamless perimeter detection integration allows for notification, monitoring, acknowledgment and canceling of perimeter alarms via AC2000. Perimeter maps can be positioned within AC2000 Security Hub alongside access control readers and associated cameras. This allows for a fully comprehensive security overview of the site or facility, ensuring maximum protection.



Lift/Elevator Control

AC2000 access control and security management system integrates with lift/elevator control systems to provide floor access dependent on cardholder access privileges.



Number/License Plate Recognition

AC2000 integration to number/license plate recognition technology allows for seamless central vehicle management with automatic synchronisation of databases. The AC2000 Vehicles application provides a single point of data entry for vehicle information, capturing data such as number/license plate and owner.



Keysafe

AC2000 Keysafe integration provides an effective way to physically secure keys and valuable equipment, providing accountability and preventing the loss of valuables.

SOME OF OUR PARTNERS

SALLIS

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The Open Platform Company

Satel

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by Schneider Electric

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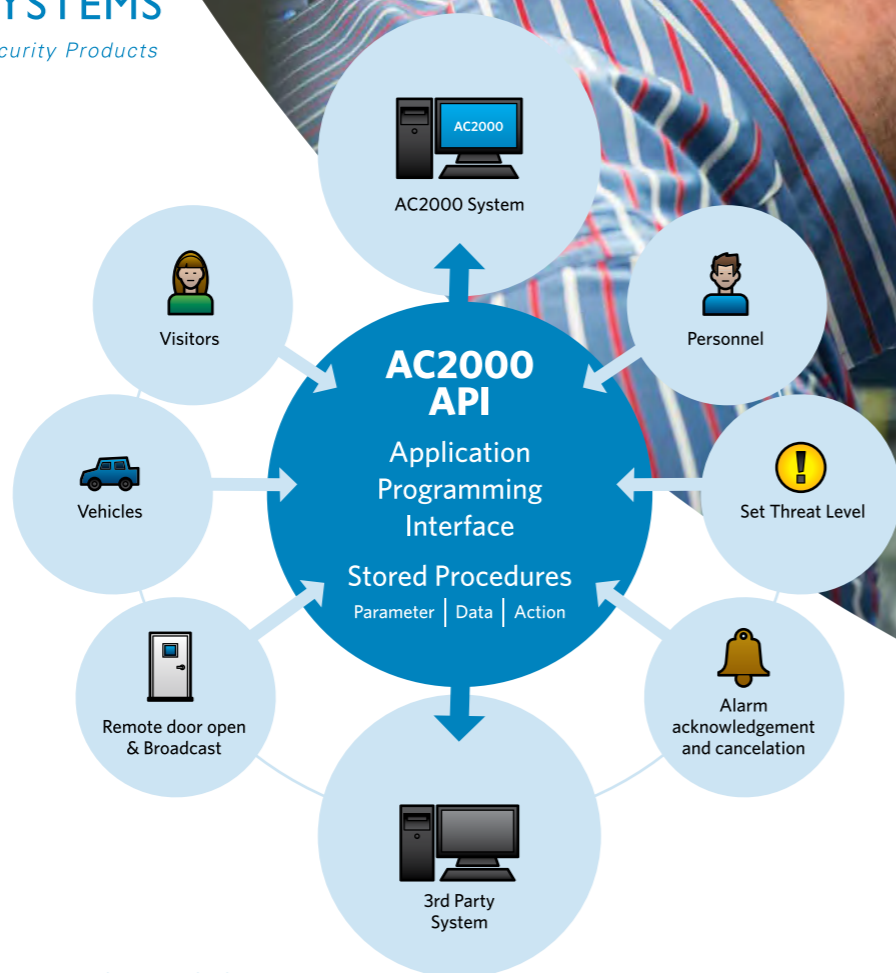
American Dynamics™

BOSCH

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technology that matters

For a complete list of partners please contact your CEM account representative.



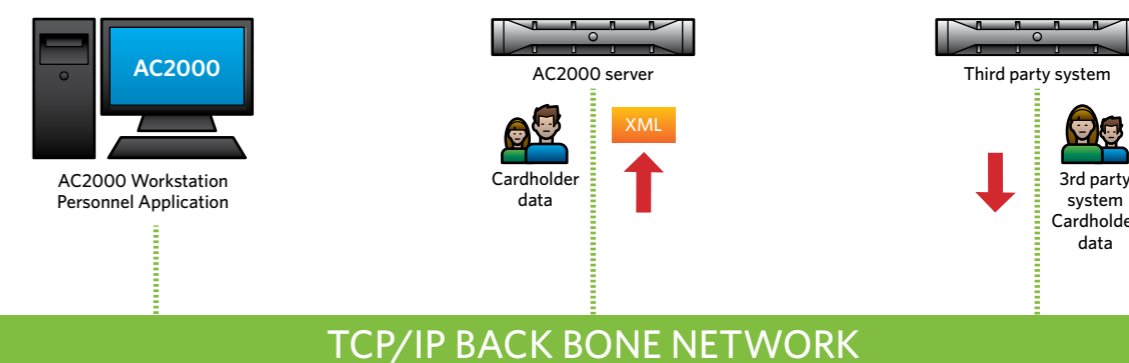


AC2000 INTEGRATION TOOLS

AC2000 OFFERS A RANGE OF INDUSTRY STANDARD TOOLS TO ALLOW A SEAMLESS INTERFACE TO THIRD PARTY SYSTEMS. EACH OF THESE AC2000 INTEGRATION TOOLS OFFERS UNIQUE FUNCTIONALITY AND CAN BE USED EITHER DIRECTLY FROM THE AC2000 SYSTEM OR CAN BE UTILIZED BY THIRD PARTY DEVELOPERS OR INTEGRATORS.

- **AC2000 External Systems Interface:** The intuitive AC2000 External Systems Interface removes the need for custom software development, providing the user with a quick and easy way of configuring their own interface to a third party system. It works by sending user defined messages when alarms are triggered, acknowledged or canceled on the AC2000 system. The AC2000 External Systems Interface can be used in many scenarios, such as interfacing to CCTV, DVR (Digital Video Recorders), NVR (Network Video Recorders) and Building Management Systems (BMS). AC2000 External Systems interface is also suitable for any system that can accept text based ASCII strings.
- **Applications Programming Interface (API):** Third party developers can use the AC2000 API to produce their own interface to the AC2000 system. This eradicates the need to design and develop custom interfaces, where changes would typically need made to both systems. AC2000 API allows third party developers to perform a range of access control functions directly from their system. Functions implemented in the API allow customers to maintain personnel, vehicle and visitor records from the third party system, with the ability to issue remote access control door commands and alarm based actions.
- **OPC Interface:** Enables the publication of alarms recognized by AC2000 to an external building management and security system. This bi-directional interface also allows the external system to cancel alarms and issue remote door open and broadcast door commands back to the AC2000 system.

- **BACnet Interface:** Enables AC2000 to integrate into systems such as building management systems utilizing BACnet/IP protocol functionality. The interface allows the alarms to be sent to the Building Management System (BMS), Heating, Ventilation, and Air Conditioning (HVAC), Fire and other external systems that support BACnet communication. This bi-directional interface also allows AC2000 to receive third party COV (Change-of-Value) notifications with the ability to display and monitor the events on the AC2000 Security Hub application.
- **AC2000 Instant Data Export Tool:** The AC2000 Instant Data Export Tool is a perfect solution for low-level integration where AC2000 Security Management System database changes are automatically reported to interfaced third party systems such as Human Resources or Enterprise Resource Planning. This means that the database of an interfaced third party system can be continuously synchronized with AC2000 database without the need for developing a custom AC2000 system integration or interface.
- **XML (Extensible Mark-up Language) Interface:** This bi-directional interface provides a simple and efficient way to import and export basic cardholder details to/from the AC2000 system. Information that can be imported and exported includes PIN (Personal Identification Number) numbers and details of cardholder's card validity, including the card expiry date, along with their personal details and photograph.



AC2000 SOFTWARE OPTIONS

AC2000

- Powerful and fully integrated access control & security management system
- Supports a scalable number of doors
- Supports a scalable number of cardholders
- Highly customizable
- High level integrations with leading video, intruder, fire & perimeter detection partners
- Ideal for medium to large scale complex projects

AC2000 Lite

- Cost effective access control for smaller sites
- Supports up to 128 doors
- Supports up to 5 workstations
- Supports up to 10,000 cardholders
- Encompasses core AC2000 software modules
- Integration with selected video and intruder systems
- Ideal for small to medium sized projects

AC2000 Airport

- Integrated airport-specific access control & security management system
- Proven in leading airports around the world; including 80% of UK Airports
- Highly customizable
- Aviation features include check-in-desk enabling, passenger segregation, air-bridge monitoring

And much more.

Please note that some of the AC2000 integration tools and third party integrations are available only on AC2000 & AC2000 Airport software options.

195 Airport Road West, Belfast, BT3 9ED, Northern Ireland.
T: +44(0)2890 456767 E: cem.sales@tycoint.com
www.cemsys.com

 **CEM SYSTEMS**
From Tyco Security Products