



# Saudia Aerospace Engineering Industries (SAEI)



**Location:**  
Saudi Arabia

**Systems Installed:**  
AC2000 access control and security management system

**Hardware Installed:**

**CEM:**

- S610 intelligent card readers
- S610f fingerprint readers

**American Dynamics:**

- IP Cameras
- VideoEdge Network Video
- Recorders

The CEM AC2000 security management system secures Saudia Aerospace Engineering Industries (SAEI) main base at King Abdulaziz International Airport in Jeddah. SAEI joins leading airports and aviation maintenance facilities around the world where the CEM AC2000 system is providing paramount security.

The intelligent security solution was installed by Yam Technologies, a Saudi based Security and IT provider. As well as installing the CEM AC2000 system; intelligent IP readers and fingerprint readers were also installed onsite.

As an all-in-one Tyco Security Products solution, SAEI also has American Dynamics Illustra IP cameras installed to secure its maintenance base.

## Introduction

SAEI is the maintenance arm of Saudi Arabian Airlines, the flag carrier of Saudi Arabia. SAEI maintains the entire Saudi Arabian Airlines fleet which includes Boeing B777-200 & -300 and Airbus A320 & A330 families and provides maintenance handling at all in- Kingdom airports and over 27 international stations.

## Solution

### AC2000

AC2000 is a powerful access control and security management system continuously developed to meet the most complex of security needs, providing a highly stable, proven solution for installations such as SAEI, where security is of paramount importance. AC2000 includes a powerful suite of client and browser based software applications including central alarm monitoring, integrated command and control, sophisticated ID badging, visitor management, WEB reports and much more. These software applications not only enhance system security but also increase business efficiency.

### S610 intelligent card reader range

"The powerful CEM AC2000 security management system is providing high levels of security to our main maintenance base in Jeddah" said Mr. Riyadh Bakedo, Director Plant & Equipment Maintenance from Saudia Aerospace Engineering Industries. "CEM's S610 intelligent readers provide access control restrictions to highly secure airside areas such as administration offices and aircraft hangers, while CEM biometric readers (S610f) enable us to control staff access to our airside warehouse. We are very happy with the AC2000 system, which is set to grow and expand further".



Black S610



Grey S610

CEM's S610 intelligent IP card readers come with an LCD display, keypad and on-board database, offering intelligence at the door. As such the reader will continue to operate and store transactions offline, ensuring zero system downtime. The S610 readers also feature sophisticated door modes such as Turnstile, Control Post and Validation mode.



S610f fingerprint reader



This enables the CEM S610f readers to critically secure turnstiles to monitor staff attendance into SAEI aircraft hangers and warehouse. The S610f fingerprint reader has all the features of the S610 range but with the added benefit of biometric verification for those areas that require an additional layer of security. The S610f fingerprint reader also offers increased security by providing three levels of identity checks – ID card authentication, PIN check and fingerprint verification.

#### One Tyco Solution

AC2000 also has the ability to provide seamless integration by using industry standard interfaces to link with third party security systems. Acting as the Security Management System (SMS), AC2000 provides powerful command and control front-end alarm management of multiple systems, including access control, video, intrusion, fire, perimeter detection and much more.

As an all-in-one Tyco Security Products solution, SAEI also has over 350 American Dynamics Illustra IP cameras installed to secure its maintenance base. The Illustra 400 IP cameras have one of the most powerful sensor-processor combinations available on the market and have been in operation at SAEI for over two years.

VideoEdge Network Video Recorders (NVRs) are also utilised to provide a powerful, high-performance video management solution. Using an intuitive victor unified client, SAEI can centrally manage and control all live/recorded video from multiple VideoEdge NVRs, providing SAEI with a powerful and future proof video management platform.



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