CEM SYSTEMS
From Tyco Security Products

Budapest Airport

Hungary's main international airport, Budapest Airport (BUD) welcomed over 8 million passengers in 2012, employs around 10,000 people, covers 1,515 hectares and represents the second largest airport in the new EU member states.

CEM's AC2000 has been securing staff, travellers and property at the airport since 1995 and was installed by CEM Approved Reseller, Bull Hungary.

CASE SUMMARY

Location:
Hungary, Budapest

Systems Installed:
AC2000 access control and security management system

AC2000 AED (Alarm Event Display)

AC2000 Time & Attendance

Hardware Installed:
500+ S610e intelligent card readers & S610f fingerprint readers

Introduction

Many systems work together to enhance safety in an airport environment and it was important for Budapest Airport that the access control system installed was robust, reliable and enhanced operations.

CEM's AC2000 offers Budapest Airport an advanced access control and building management solution. "Of the many operational security systems installed at the airport the AC2000 system has proved to be the most reliable we have" said Gábor Tóth, security technology officer of BUD.

Solution

Together with powerful access control, the CEM AC2000 system provides Budapest Airport with a range of additional software modules which enhance operations and efficiency on site. These include AC2000 VIPPS (visual Imaging and Pass Production System) and AC2000 Time & Attendance. AC2000 VIPPS provides users with the ability to capture personnel images, company logos and personnel signatures and incorporate these onto professionally designed passes, making it quick and easy to design and edit multiple badge designs in-house.

Language Support

The installation at Budapest Airport currently utilises CEM S610 reader range. The readers in this range each feature a database for offline card validation, a keypad (for PIN validation), an LCD which can display meaningful messages to the user and support for multiple card technologies. For Budapest Airport, the reader interface which is displayed on the LCD is translated into Hungarian to improve user experience for local Hungarian staff.

Integrated Biometric Access Control

The S610f Fingerprint Reader has been installed at Budapest Airport to provide extra security at airside/ landside boundaries. The S610f offers the same features as the standard S610 reader but also offers a fully integrated fingerprint biometric module for 3 stage authentication (card, PIN and biometric).

The reader eliminates the need for a separate biometric system as fingerprint templates are captured at the same time as capturing other cardholder details on the AC2000 system, such as personnel information and image. The AC2000 software does not store an actual image of the fingerprint anywhere in the system; instead a unique ID number is derived from the fingerprint scan.

System Growth

The CEM AC2000 system was originally installed at Budapest Airport in 1995 and has been continually upgraded over the years to keep up to date with current technology. In 2009, Budapest Airport began work on the 40,000m^2 SkyCourt building as well as the renovation of 55,000m^2 of existing facilities at the airport. The SkyCourt was built to link two existing terminals at Budapest Airport – 2A and 2B – and double the airport capacity. As part of the work, the AC2000 system installed at the airport was extended, with over 200 additional S610e and S610f fingerprint readers installed throughout the development

Industry Leading Technology

Upgrades and improvements to the Budapest International Airport system over the years have included the migration from Proximity to highly secure PicoPass Smartcard technology. PicoPass Smartcards offer Budapest Airport the option to use their access control cards for other things such as cashless vending.

“In addition to extending the AC2000 system to support the new SkyCourt building, Budapest Airport security system was also upgraded to meet their changing needs” said Andrew Fulton, Business Development Manager, CEM Systems. “The upgrade included customised modifications to the airport’s AC2000 Visitors application, as well as the move towards highly secure PicoPass Smartcard technology.”

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