

Cairo International Airport



BOSCH
Invented for life

Industry:

Airports

End User:

Cairo International Airport

Cairo International Airport is the busiest airport in Egypt and the second busiest airport in Africa with a number of 12.577.524 passengers and 125.000 airplane departures in 2007. It is located to the north-east of Cairo about 15 kms from the business area of the city. 58 airlines use Cairo airport (including charter airlines) and 10 cargo airlines. The airport is administered by the Egyptian Holding Co. for Airports and Air Navigation.

Business Objective:

The airport has currently two terminals, but investments are continuously made to raise the airport to the highest international levels of safety, service and passenger entertainment. A third Terminal, which will consist of a three-level main building of 164.000 m2, will be opened in the beginning of 2009. With the completion of this terminal Cairo International Airport will increase its capacity to 22.000.000 passengers per year.

Solution:

The Egypt Airport Co., which is part of the Egyptian Holding Co., looked for a Public Address and Voice Evacuation System for the new terminal that would meet their high demands in relation to reliability, quality and efficiency of the system. They finally made their choice for the Bosch Praesideo System because of its IEC 60849 system certification, its redundant cabling and network controller functionality as well as its audio transmission via the local area network using cobranet interfaces.

All challenges that occurred during the installation process, i.e. adjusting the time delay between active and passive loudspeakers, were easily dissolved thanks to the advanced system programming functionality and its measurement tools. The system is able to broadcast live and pre-recorded messages and to generate voice alarm evacuation messages in case of an emergency. The system interconnects with the Fire system and the flight information system which trigger the Praesideo system to generate the appropriate announcement in pre-programmed zones.

The system is divided into four racks located remotely in the main control room, the concourse area and at each pier. Overall five Network Controller, 25 Praesideo 500W amplifier,



Cairo International Airport Terminal 3

12 Praesideo 2x250W amplifier and four Cobranet Interfaces as well as multiple call stations and ceiling, projector passive line array and Intellivox loudspeaker have been installed.

Result:

The benefits of the newly installed Praesideo system have exceeded the end customer's expectations. Due to the successful installation of the Praesideo system at Cairo International Airport by the Bosch Dealer C.S.I. Egypt, the system has been classified as the recommended system for all up-coming airport projects in Egypt. C.S.I. Egypt aims to gain more tenders for other small and medium size airport projects in Egypt in the future.

Installed by:

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