

# Adnan Menderes Airport / International Terminal, Izmir



**BOSCH**  
Invented for life

## Industry:

Transportation

## End User:

**TAV Airports - TAV İzmir Terminal İşletmeciliği A.Ş.**

With a capacity for handling 5 million passengers per year, the Adnan Menderes International Airport terminal extends over an area of 110,000 m<sup>2</sup> and includes a car park covering 64,000 m<sup>2</sup> with a capacity of 2,200 automobiles. To serve guests quickly and efficiently, the terminal boasts of 60 check-in counters, 32 passport control booths, nine passenger boarding bridges and six baggage claim carousels.

## Business Objective:

Since the terminal impresses with outstanding architecture it was demanded that the PA system, which is able to make calls to different zones at the same time, should not affect the esthetic appearance. Moreover the planning committee demanded that the system automatically increases volume as soon as the building gets crowded. Another requirement was a direct communication between the building and the fire alarm system.

## Solution:

Ateksis divided the terminal building into 100 zones which can easily be controlled by both the P.A. system and the fire alarm message distribution system. Bosch Praesideo Digital P.A. System was chosen for the broadcasting of different live and pre-recorded messages in high quality and to ensure the full integration with 3rd party systems.

After having measured the noise level of every zone, the engineers chose the type of the loudspeakers. An installation plan was created with an EASE Acoustics Design program on 3D model. For outside area 187 horn-loudspeakers, for inside area 4 LP1-UC20E sound projectors, 15 LBC3200/00 and LBC3200/10 line array loudspeakers were installed.

A LBB4442/00 line supervision card is used to supervise the loudspeaker line so that the operator is informed immediately in case of a malfunction.

32 Praesideo Power amplifiers are used to handle the power requirements of the loudspeakers. 30 ambient microphones were installed in crowded areas of the building. 18 call stations were installed at information desks and emergency exits.



Adnan Menderes Uluslararası Havalimanı Dış Hatlar Terminali

The heart of the system, the Network Controller, is combined with the Fire Alarm System and programmed to cope with all different kinds of scenarios. Moreover, thanks to Praesideo's open interface, the Flight Information System (FIDS) and the Central Database system were easily integrated with the P.A. system.

## Result:

Thanks to the installed Bosch solution clear passenger communication was achieved abundantly. Emergency calls and music are sent with top quality sound and all areas of interest have been covered sufficiently. Bosch Praesideo Digital Public Address System meets all requirements of the end user. Moreover it is certified by TUV for IEC60849, the international standard.

## Installer:

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