

Carrasco International Airport. Cargo Terminal.

Study Case



Industry:

Airports

Final User:

Today Carrasco International Airport represents an icon from the spatial and symbolic point of view, turning into one of the most advanced airports in the world technically and architectonically.

The new Terminal is developed in two principal levels, with generous spaces for the access and departure of passengers. This disposition with independent levels allows the creation of exclusive areas for arrivals and departures. Also, it counts with an observation Deck.

Taking into account the infrastructure of the new airport, it is now possible to maintain an annual flux of 4 millions people, which will have the opportunity to use the services of the terminal.

Objective:

With the same exigencies considered at the moment of choosing the best architectonic project, the selection of the provider of the sound and evacuation systems for the new terminal was a really important matter. PROMÚSICA (Montevideo, Uruguay) was the company selected for this project, vital for the correct operation of the communication, sound and evacuation inside the terminal, which was designed with Bosch and Electro Voice products.

Offered Solution:

ProMúsica developed a sound and design engineering work with the invaluable collaboration of the Bosch Engineers. According to the high international standards, it was decided to install a Bosch Praesideo system that is used in lots of airports all over the world.

Praesideo is a fully digital public address, voice evacuation system that meets all the requirements placed by professional users. It brings highly innovative and advanced digital technology to the public Address market.

The processing and communication of both audio signals and control data entirely in the digital domain makes the system superior to other public address and emergency sound systems.

Product features like redundant cabling, spare amplifier switching, system supervision from microphone capsule up to last EVAC compliant loudspeaker, unique WLS "Wire free" Line and Loudspeaker Supervision, up to 256 priority levels for background music, business- and emergency calls, fault logging and 48 Vdc backup power position this IEC 60849 certified.

The acoustic studies and the simulations with the prediction software developed realized by the technical personal from ProMúsica concluded that the airport top area included high levels of acoustic reverberation. For that reason, it was decided to implement a highly efficient solution known as the Line Array Bosch LBC 3210/00. With this system it was possible to minimize the effects of the reverberation, and to generate a uniform sound.

In addition to the Bosch Line Array, a total of 1.500 loudspeakers were installed including several models of the EVID line from ELECTRO VOICE.



Results:

The Praesideo system works under the standards IEC60849 and BS5839: certified by TÜV, one of the most important organisms in Europe. This way, Carrasco International Airport is considered one of the air terminals with higher technology in audio and security.

For more information, please visit <http://www.aic.com.uy/>

Installed by:

PROMUSICA

Manuel Albo 2676
11200 Montevideo, Uruguay
[598] 2480 8000
roberto@promusica-uy.com
www.promusica-uy.com

Bosch Security Systems

Av. Córdoba 5160
Buenos Aires, Argentina
+ 54 11 4778 5252
www.boschsecurity.com.ar