

Acoustic quality and high level safety provided by Bosch Security Systems in Cetelem office building



BOSCH

Invented for life

Industry:

Office building

End User:

Cetelem Office Building

Cetelem – BNP Paribas Personal Finance business line- entered on the Romanian market in 2005, by acquiring Credisson International, the most important consumer loan company at that time. In Romania, Cetelem is the leader of the consumer loans market, based on the experience of more than 50 years of French financial group. Cetelem is one of the most important consumer finance partner for big retailers - Auchan, Bricostore, Cora, Dedeman, Flanco, Praktiker, Rombiz – and for regional and local players, being present in more than 3200 point of sales, in more than 300 cities of Romania. BNP Paribas Personal Finance covers a full range of credit offers for individuals, mainly through the brand Cetelem.

Business Objective:

One of the key consideration of the system were Background Music and live speech calls. The Background Music has to be used in all areas (offices, clients area, parking area) to create a specific, relaxed atmosphere for the employees and visitors. Announcements have to be made using a Call Station with six buttons, each button is specified for one zone, for sending different, customized messages in each area. These two functions are mandatory in an office building to create a specific atmosphere for clients. Another advantage is the EVAC function of the system (monitoring and automatic message).

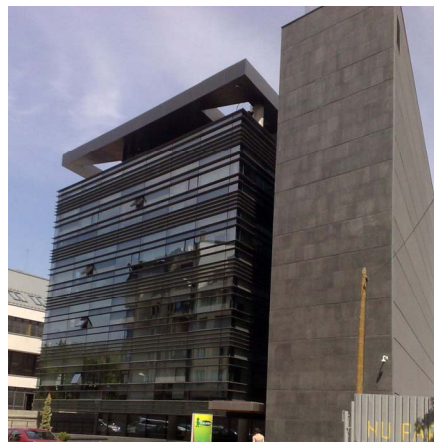
Solution:

The system design is based on Plena VAS (Voice Alarm System) range, using LBB 1990/00 and one additional LBB 1992/00. The purpose for the Router (LBB 1992/00) is to expand the system with another 6 PA zones.

The system runs on one-channel operation mode, by using one amplifiers LBB 1938/20 with 480 Watts rated power and the internal booster of the LBB 1990/00 (Plena VAS Controller). The amplifiers provide power for the entire PA system.

For the acoustic part of the system were used three types of loudspeakers, depending on the application and the dimensions of the covered area. For the offices area were chosen LBC 3086/41, flush mount ceiling speakers, ensuring 6 Watts rated power each. Each ceiling speaker is protected using Fire Dome accessories LBC 3081/02. LBC 3941/12 horn loudspeakers were the best solution for outdoor areas (like parking slots). For these application the directivity of the sound wave is very important.

To ensure protection of the system, has been used EOL (End-Of-Line) monitoring. These module supervise the PA lines in order to detect a potential failure.



Cetelem office building

The background music is ensured by a Bosch professional DVD player with audio and video output. This was the best solution to combine the Background Music with the end-user commercial clips and entertainment.

Due the fact that Plena VAS is an EVAC system, an interconnection between Plena VAS and Fire Alarm is mandatory. The connection is made using control inputs and the emergency message will run automatically in case of an alarm.

Result:

Using Plena VAS, the best solution for small and medium Public Address and EVAC projects, the system functions meets all the customer requests.

Ceiling speakers are suitable for speech and music reproduction, generating a very good sound quality for the offices area. By using the Plena VAS EVAC, the level of security is on a high level, ensuring the safety of the areas.

Installed by:

Romsecurity Systems S.R.L
266-268, Building 5, Room 17 Demisol, Electromagnetica Business Park
050912, Bucharest, Romania

Bosch Security Systems Romania
30-34 Horia Macelariu Street
013937 Bucharest Romania
+40 21 405 76 27
www.boschsecurity.ro