

Dedeman Retail Chain chooses Bosch Digital Public Address / Voice Alarm Solution



BOSCH

Invented for life

Industry:

Retail

End User:

Dedeman Retail Chain

Dedeman represents the only 100 % Romanian owned do-it-yourself (DIY) retailer and the second largest DIY retailer on the Romanian market according to revenue. The first hypermarket was opened in 2003 and the network of chain stores expanded to 16 hypermarkets located in eastern and south-eastern region of Romania. Each store has an area of 4,000 sqm and 14,000 sqm.



Business Objective:

The most important objective for this project was the safety of customers and employees of the Dedeman retail chain. The main consideration was to implement the most sophisticated EVAC solution.

The project started simultaneously in two different stores: in Iasi and Bucharest. The installation of the systems was realised by two different Bosch Security Systems partners: DAS (situated in Iasi) and Polystart (situated in Bucharest).

Solution:

Bosch Security Systems successfully developed a solution that meets the customer demands. Both systems are based on Praesideo, because of the specific demand of the customer for EVAC certification. The new Praesideo 3.3 is EN 54, part 16 EVAC compliant, the newest certification for EVAC projects and was suitable to the project specifications.

The Praesideo solution of this project is based on PRS-16 MCI Multichannel Interface and six Basic amplifiers with one channel and 500 W output power. The system is designed for five zones plus one spare amplifier to ensure a high level of safety.

A Remote Call Station has been used for providing live speech and live announcements in the retail area. The Call Station is used also for additional functions, like BGM Volume Control, Start/Stop BGM, pre-recorded commercial messages, changing BGM sources (BGM 1 and BGM 2). BGM 1 is a PLN-DVDT Bosch professional DVD Player and BGM 2 is a music server provided by Dedeman.

A pre-recorded emergency message was programmed in case of any emergency situation (e.g. Fire Alarm).

Also for the safety of the customers and employees all loudspeakers are EVAC certified. Inside the store (sales area) the acoustic subsystem contains a hemi directional speaker and pendant sphere LS1-UC20E.

In the offices area LBC 3086/41 ceiling speakers and LBC 3011/51 panel speakers have been chosen. Each ceiling speaker has a Fire Dome protection to increase the safety level of the protected area. The acoustic system in the park area consists of EVAC horn speakers LBB 3482/00 with 25 W rated power.

All zones are supervised using LBB 4443/00 End-Of-Line modules.

Result:

The installation ended in the middle of 2009 and achieved the objective to guarantee a safe and clear sound.

"Using Bosch Praesideo PA/EVAC solution combined with the revolutionary Hemi Directional speaker, the safety and the sound quality are on the highest level. The functions of the installed system and the intelligibility level of acoustic meets our requirements. The experts from Bosch provide us the best PA/EVAC solution offering good and prompt response" said Marcel Blajut, Dedeman Retail Chain Head of Security.

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