

Bosch provides best sound quality for Nurvil Auto Show Room in Tirgu Jiu



BOSCH

Invented for life

Industry:

Retail

End User:

Nurvil Auto Show Room

Nurvil is one of the Romanian companies that started a business in the South - West of the country, not only by simply raising a new building, but also developing a trustful relationship with the local community as base for long term activities. Nurvil is an authorised Volkswagen and Audi car dealer for the Romanian counties Valcea and Gorj which are Romanian counties. Nurvil is also ISO 9001:2000 certified by the TUV SUD Management Service GmbH Munich.

Business Objective:

The system has to provide a good quality of background music and live speech calls. The background music is used in all show room areas (offices, exposition area, service area, parking area) to create a specific, relaxed atmosphere for the clients. As local dealer for Volkswagen and Audi, Nurvil implemented the "full service dealer" strategy by offering complete services for vehicles. However, main business can only be developed when all the safety systems are reliable and in best working condition.

Solution:

The total solution that was provided by Bosch consists of a Bosch fire detection system FPA 5000 panel and a Bosch Plena voice evacuation system.

The fire detection system is based on one FPA 5000 panel with two addressable loops LSN 0300A. The distributed loop devices consist of 109 pieces of addressable detectors 420 series, optical smoke and combined optical thermal types, 17 pieces of addressable manual call points 210 series and of course, few addressable INput and OUTput addressable loop modules used for smoke dampers and extinguishing controlling purposes.

Zone alarming is conducted in two ways, first through addressable sounders of the series 401 LSN and second through the BOSCH PLENA voice evacuation system, using all the BOSCH dedicated system integration facilities. The system consists of LBB 1925/10 system pre-amplifier. The installed pre-amplifier provides six zones to the system selected by a LBB 1946/00 six-zone call station. The system runs on a two-channel operation mode, by using two amplifiers LBB 1938/20 with 480 Watts rated power each. The amplifiers provide power for the entire PA system. The acoustic part of the system consists of three types of loudspeakers, depending on the application and the dimensions of the covered area. In the area around the offices horn loudspeakers were installed together with flush mount ceiling speakers, ensuring 6 Watts rated power each. The horn loudspeakers are the best solution for outdoor areas like parking slots and the service area. In the service area the background noise is quite high. Therefore the best solution was to install horn loudspeakers to ensure a very good intelligibility level. For the show room and exhibition area the acoustic design is based on the Pendant Sphere loudspeaker, 20 Watts rated power.



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. A Plena feedback suppression was installed in the system to avoid acoustic feedback. The interconnection with the Fire Alarm System was made possible by using a Plena Message Manager.

Result:

Nurvil benefits from the FPA5000 and PLENA integration components because the BOSCH safety systems work together to keep away unpleasant false alarms and also assure a safe and pleasant work environment, both for the Nurvil employees and clients. The team also acquired many diploma and awards, for example from Romanian Chamber of Commerce and Industry year by year, or European trophy "Volkswagen Service Quality Award" in 2008.

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