

Bosch Provides Sound Solution for JW Marriott Bucharest Grand Hotel



BOSCH

Invented for life

Industry:

Hotel

End User:

Marriott Hotel

JW Marriott Bucharest Grand Hotel is the five-star choice of European Royalty, Presidents of State and International dignitaries. The hotel is known for its impeccable services, relaxed luxury, architectural grandeur and gracious hospitality.

JW Marriott Grand Hotel is spacious with luxuriously appointed rooms, yet with a cozy familiarity.

JW Marriott Bucharest Grand Hotel consist out of 8 floors, 379 rooms, 23 suites, 2000 sq m of total meeting space divided in 12 meeting rooms, spacious sports facilities, shopping area, casino.

Business Objective:

The key consideration aspects of the system were Background Music and live speech calls. The Background Music has to be used in all areas (offices, clients area, common area) to create a specific, relaxed atmosphere for the employees and customers.

Announcements have to be made using a Call Station with 6 extension keypads, each button is specified for one zone, for sending different, customized messages in each area. These two functions are mandatory in a hotel to create a specific atmosphere for customers. Another advantage is the EVAC function of the system.

Solution:

The system design is based on Praesideo (Voice Alarm System) range. The product family is certified EN 54/16, the last EVAC certificate. The "heart" of the system is PRS-NCO-B Bosch Praesideo Controller. The system ensures functionality of 44 PA/EVAC zones powered by 10 basic amplifiers PRS-4B125 (4 zones of 125 W) and two basic amplifiers PRS-2B250 (2 zones of 250 W).

The system is decentralized using five technical racks. Each rack is supplied with one PRS-16MCI in order to control all basic amplifiers. The multi-channel interfaces are connected in the system via a redundand optical network (POF cables).

All system zones are controlled by one call station (basic), connected also by optical link in the same redundand network with Praesideo Controller and all five MCI's. The Call Station is supplied with 6 Keypads. Each keypad is provided with 8 free programable keys. Some keys are programed for emergency messages. In order to avoid accidentally actions of emergency keys, the system is supplied with a key covers.

The acoustic control is made in two ways. First level of control is done using the Call Station keys programed for Volume Control. In this way it is not necessary anymore to open the technical rack, and by this way the security / safety of the system is increasing. Second way to control the volume is ensured using local volume control installed in the site.

For emergency purposes, Bosch Praesideo Controller is connected with the Fire Alarm System. The emergency messages (Evacuation messages) are pre-recorded using an internal Flash Card.



Marriott Hotel, Bucharest

Result:

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