

Radisson Blu Resort & Congress Centre, Sochi



BOSCH

Invented for life

Industry:

Hotels

End User:

The five-star Radisson Blu Resort & Congress Centre, Sochi boasts a prime location in the Adler district of Sochi, directly bordering the coast of the Black Sea. The resort provides 508 comfortable rooms in different categories. The newly built property features three restaurants, several bars, a PACE health club & SPA, three swimming pools, a tennis court, a billiard room and a kid's club. The impressive Congress Centre sets a new conference standard for the region, as it is one of the largest congress centers connected to a five-star resort in southern Russia, with 11 conference and meeting rooms, including a 16,000+ sq. ft. (1,500 m²) Premier Hall.

Business Objective:

The main challenge was providing a high-end security system for hotel's guests and personnel.

A CCTV, fire alarm, and public address system needed to be installed, as well as the seamless integration among them.

It was important to ensure on-time voice notification without a false alarm, in addition to providing an efficient smoke removal system from the rooms and entertainment facilities.

Therefore, Bosch was chosen due to its unique brand reputation and leading-edge technology.

Solution:

It was very important for the End User to provide the ultimate protection to the hotel's guests and staff.

The following equipment and Software were installed:

A fire alarm system FPA-5000 (11 pcs), more than 8,000 fire detectors, and 500 modules to control and monitor building automation systems.

Handicap-accessible rooms were equipped with NAC light detectors.

Public address and voice alarm systems include: PRAESIDEO, optical interface modules, and more than 2,000 amplifiers.

CCTV equipment uses 279 high-definition cameras and BVMS.

Navigation in a continuous video stream, reports to the operator regarding all emergencies, and displaying the events on screen are supported: entering a forbidden area, a long delay in continuous zones, illegally parked cars or left objects, movement of an object to a default location, and change of conditions such as changed aspect ratio of the object (crawling on the floor, etc.). All of the above-mentioned events will be immediately shown by IVA and can be followed up on by the security officer.

The algorithm is directly implemented within Bosch IVA cameras thereby making redundant the need for special computers. Creation, transfer, and storage of metadata in conjunction with video allows the trajectory and other properties of objects to be displayed on the monitors, and provides a quick search in the video archives. IVA version 4.0 includes intellectual algorithms, which consider light alternation and environmental conditions, for instance rain, snow, clouds, or tree leaves.

Control and management is provided with the help of BIS.



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Result:

The customer received a result which fully corresponds to the requirements of a five-star hotel.

The Building Integration System BIS, which unites all installed systems into one, makes the system attractive from a systems management point of view.

Nine floors of the hotel, restaurants, and the presidential suites are equipped with reliable Bosch equipment.

The combination of Bosch CCTV, fire alarms, and public address/voice evacuation systems provides extreme safety for hotel guests and personnel, all while ensuring that the components fit in with the hotel's aesthetic design.

Key Success Factors:

- High-quality sound system and fire alarm system
- System flexibility and scalability
- Ability to manage and control the hotel security system with one operator

Installer:

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