

REFERENCE | 06/2017

Langestraße 100/Baden-Baden High-quality building management in a 5-star design hotel



Introduction

The 5-star design hotel "Roomers" is the center of a building complex built near the Festival Hall in Baden-Baden. The hotel, with 130 rooms and suites, surrounds a large piazza, together with a medical center with 15 specialist practices, an apartment building as well as a two-story underground car park with 200 parking spaces.



The guests can feel at home.

With his interior design, the renowned Italian architect Piero Lissoni materializes the visions of the investors and operators. The owner F.B. Wagener realized a project which merges with the city and the Festival Hall. The area contributes positively to urban development and gives new impetus to the district as well as the entire city.

Requirements

All 130 rooms and suites of the design hotel include integrated room management, which interacts intelligently and uniformly with all of the building technology and amongst each other. The guest has access to all applications in his room immediately after check-in. The conference rooms are equipped with position recognition in the partition walls and are operated via tablets.



Casual luxury is the recurrent theme throughout every room. The interaction and communication between the room and building control as well as the hotel booking system OPERA make sure the guest is greeted with a welcoming scene made up of a pre-set atmosphere created by lighting, sound volume, air conditioning, and open sun shades. If the guest checks out, the room is automatically reset to an energy efficient "unbooked" status.

Langestraße 100/Baden-Baden

High-quality building management in a 5-star design hotel



close to you

Solution

The client-implemented system OPERA, as well as Suite8 by Oracle/MICROS-Fidelio, both have a BMS interface, a so-called Oracle Hospitality Suite8 BMS Interface. The Centraline partner PGA implemented the interface for building and room management with the Centraline AX system as well as the Fidelio driver. The communication with the primary controls for heating, air conditioning, and ventilation, as well as fire dampers, were realized with BACnet/IP.



The controllers execute complex automation tasks.

Centraline-partner PGA installed a total of 25 EAGLE controllers. The BACnet controllers communicate with both the supervisor as well as third party systems. Together, the systems execute complex automation tasks among each other. The hotel booking system OPERA is integrated via a HAWKAX BACnet interface for ORACLE-MICROS-Fidelio. Altogether, over 165 BACnet controllers in 160 ISP/subdistribution boards were installed in the facility, with over 24,000 data points from various protocols, such as BACnet, M-BUS, Modbus, KNX, or DALI.

Customer value

The design hotel now has a demand-based, ultramodern building control system which reduces energy consumption and saves operation costs with the integration of the hotel booking system.



Over 160 high-quality cabinets and electric distributors from Centraline-partner PGA are spread throughout the building complex.

The ultramodern building management meets the high demands of the 5-star design hotel. Since the room control for all 130 rooms communicates with the booking system, the guest benefits from an easy and intuitive control of all systems inside his room and the hotel operator from an intelligent, resource-saving, and uniform communication among the building technologies. Over a web front, BACnet provides the facility management with all information about the deliverables. This not only allows for a quick and reliable reaction in the event of an alarm but also the universal operation across all applications.

Langestraße 100/Baden-Baden

High-quality building management in a 5-star design hotel



by Honeywell

close to you

Centraline Products



HAWK



CL TOUCH



EAGLE