



Mövenpick Airport Hotel Stuttgart – LONWORKS® Technology Provides Comfort and Saves Energy

The new Mövenpick Airport Hotel in Stuttgart lies in the immediate vicinity of Stuttgart Airport and the new Stuttgart exhibition center. The LONWORKS® platform-based room automation system technolon® from Kieback&Peter adds significantly to the comfort of guests.

Within the 326 rooms, suites, modern spa and health areas, the guests of the Mövenpick Hotel Stuttgart Airport find all the amenities of a 4-star superior hotel. The hotel, with its 16 multifunctional conference and meeting rooms, including a 564 square meter large ballroom, has a room suited to every type of event.

Automation Station DDC4200 for Comfortable Conditions

The Automation System DDC4000 provides efficient regulation of building technology installations. The DDC4000 system is a regulation and control system, which measures, regulates, controls, optimizes, and monitors operational systems. Based on the operating system Linux, the 32-Bit Processor operates all processes on a multi-task principle.

Installed in the three technical centers of the hotel are a total six automation stations. The colored DDC4200 TFT touch screen provides clear information and leads the user intuitively and securely through tasks and installations. A touch of the finger can capture and change the installation status. The Mövenpick Airport Hotel DDC4200 automation station regulates in total 18 ventilation installations, two refrigerating machines, two boilers, and the water heating system.

The data points of the installed lighting system are connected to the messaging forwarding system of the central building control system by an EIB-interface.

The integration of the fire damper system with over 250 motorized fire dampers is also possible without any problems.

Energy Efficiency Room Automation with LON

Inside each of the hotel's guest rooms, a Room Controller RCN 102/2-L is installed and provides comfortable conditions by intelligent control of the fan coils. In addition, 39 technolon® Room Controllers RCN 132/2L and 142/2-L control the atmosphere in the sauna and spa areas. The actuators of the RCN family (Room Control Normrail) are components from the LONWORKS® platform-based technolon® product range from Kieback&Peter. They are eu.bac certified and therefore guarantee control accuracy and energy efficiency under European and National directives and laws. In total, there are about 3000 data points in the technolon® system which are administered from the central building control system.



Simple Installation

The registration in the LONWORKS® network of the room controller, RCN, generally installed in the suspended ceiling, takes place easily in the room operation module, which saves time. Kieback&Peter has developed a solution whereby a magnet on the room operation module, RBW, can activate the identification service pin.

Integrated Hotel Booking System

In an effort to offer the guests more comfort and to operate the building as efficiently as possible, the hotel booking system Prolon is integrated into the building automation. As soon as a room is reserved in the booking system, the room is changed into the pre-comfort operating status. The integration of the key card system in the building automation allows for the transfer to comfort set-point, as soon as the guest enters the room. The guest can individually set the room operation module, RBW, to the room temperature appropriate to his personal requirements.

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