



Kameha Grand Hotel Delivers Room Service With e.control



Kameha Grand Hotel, whose Hawaiian name in German means, "Unique", was designed by the famous architect Heinz Schommer, with the stunning interior designed by Dutch designer Marcel Wanders. Some of the unique designs include multi-dimensional chandeliers, a glass pool table, telepresence meeting facilities and an award winning multi-touch display called the Digital Fish Pond. The Grand Hotel Kameha won the "Hotel Of The Year 2011" award by the Schlumber Atlas and is a member of The Leading Hotels of the World, offering its guests stunning architecture, exceptional luxury, advanced technology and unparalleled comfort.

Managed by the lifestyle Hospitality & Entertainment Group, in Frankfurt, the hotel believes the wellbeing of its guests is the heart of their offering by creating a laid-back, yet sensual atmosphere to facilitate memorable encounters with and between their guests.

The Challenge

The hotel is committed to exceeding the expectations of its guests through innovative technology that is thoughtful and easy-to-use.

This impressive five story hotel measures 31,100 square meters (334,767 square feet), of which more than a third is located underground. The hotel contains 190 rooms, 63 suites, seven restaurants and bars and a spa area with an outdoor pool. The seven meeting and conference room's can accommodate up to 2,500 people.

In addition to the stunning architecture and interior design, 70 percent of the heat is provided by the hotels own geothermal power plant in the basement. This design makes the Kamaha Grand one of the largest geothermal Resorts in Europe.

The Solution

The room automation system e.control supplied by spega provides space automation and directs the temperature control Lighting and sun protection in hotel rooms, suites and common areas. There are approximately 15 data points per room controlling the indoor climate and window status. The LON consists of 40 segments and was configured using the e.control™ ALEX TE software. An IP router supplies data to the building control system as well as to the e.control hotel management and Fidelio booking program. This tightly integrated solution allows hotel staff to adjust room temperature, lighting and mood to start when guests check-in, providing them with a superior guest experience. Unoccupied rooms are set to maximize energy savings by turning off heating, lighting and sun protection functions.

When guests enter a room with their card key, the lighting is activated and window blinds are automatically positioned to reduce glare. All rooms are equipped with Lumina light actuators that regulate DALI dimmable lights to create different scenes. For example when a guest turns-on a reading lamp a light projects a beautiful full moon above the bed. In each suite guests can individually configure their comfort settings via the user-friendly touch panel.

The common areas are also controlled by the spega e.controls solution in hallways and other common areas. Corridor lighting adjusts automatically by dimming to reflect the time of day. Outdoor lighting is also automated to activate at dusk and dawn.

The following LON products were used in the system:

- spega LON Universal controllers
- spega light actuators
- spega DALI light controllers
- spega sunblind actuators
- spega digital outputs
- spega multi-stage switches
- spega digital inputs
- spega universal dimmer
- Loytec L-Gate BACnet-Servers
- Loytec L-INX OPC XML/DA servers
- Loytec L-Proxy LON-Gateways
- Loytec L-IP LON/IP Routers
- ELKA dialog T Touch Panel Displays

The Result

The room automation system e.control from spega provides hotel guests with energy efficient rooms, while maximizing comfort and luxury.

Contact:

Patrick Schilling
Regional Sales Leader North
Spelsberg Gebäudeautomation GmbH
Tel: +49 (0)2841 88049-38
E-mail: psc@speqa.de
www.speqa.de



550 Meridian Avenue
San Jose, CA 95126, USA
Tel: +1 408-938-5266
www.lonmark.org