SHERATON HOTEL – Batumi, GEORGIA
Case Study

https://www.marriott.com/en-us/hotels/bussi-sheraton-batumi-hotel/overview/

Total
1637 Devices

EAE Technology Devices Used

202 Rooms
Common Areas

Controlled Equipment

Lightings
Fan Coils

System Provided

KNX GRMS
Central Monitoring & Control
Lighting Control

Project Status

Completed,
August, 2024
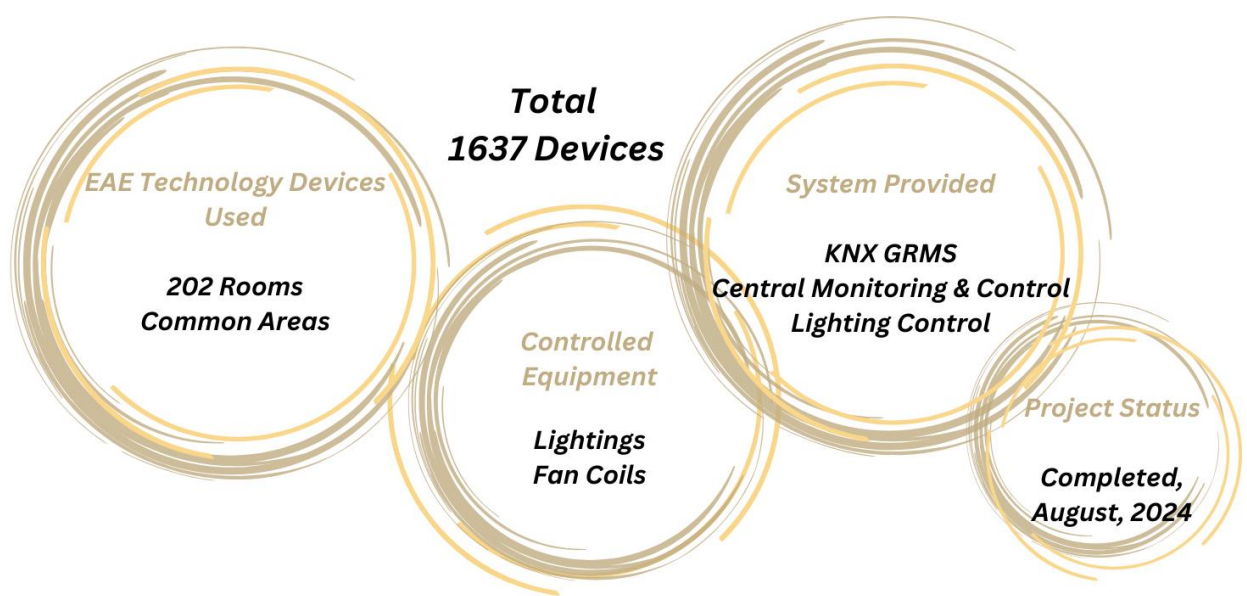
Customer Review

In this case study, you may notice that there is currently no customer review included. The project has just been completed and it is taking some time to observe the results before providing feedback. We understand the importance of customer reviews and will be sure to add their insights as soon as they are available.

Thank you for your understanding, and stay tuned for this valuable addition!

Project Scope

Sheraton Batumi is the ultimate holiday destination, offering breathtaking views of Georgia's stunning skyline. Whether you're seeking relaxation or entertainment, our exclusive facilities elevate your vacation experience. Enjoy elegantly appointed restaurants and terraces, all while indulging in the comfort of our 202 well-designed guest rooms. Rediscover the essence of holiday living at Sheraton Batumi.

The KNX Guest Room Management System, expertly designed by EAE Technology, aims to enhance energy efficiency and ensure maximum comfort across the hotel's 202 guest rooms. This project encompasses several key components:

Central Monitoring & Control System Integration: The integration of the automation system with the building's BMS is allowing for remote management and monitoring of the KNX GRMS system, ensuring seamless operation.

Lighting Control: The system autonomously manages room lighting, enhancing guest comfort while optimizing energy use.

Fan Coil Control: A centralized approach to controlling and optimizing heating, cooling systems throughout the hotel.

Energy Conservation: Cutting-edge automation applications are utilized to minimize energy consumption and achieve substantial energy savings.

The hotel met the highest standards for energy efficiency, comfort, and security.

Used EAE Technology Devices

Field Devices	Quantity	Panel Devices	Quantity
Mona DND/MUR Panel	202	Power Supply	159
Mona Touch Thermostat	318	IP Router Secure	159
Mona Touch Switch	640	Room Controller	159

Mona DND/MUR Unit

The hotel logo on the DND/MUR panel, enhancing its branding. Each Mona DND/MUR unit prominently displays the room number, easily visible in all guest rooms. The "Do Not Disturb" and "Clean My Room" icons can be activated from bedside units and various wall switches, elevating the comfort of our visitors. Additionally, in "Do Not Disturb" mode, the touch bell button becomes inactive, ensuring an uninterrupted stay for our guests.
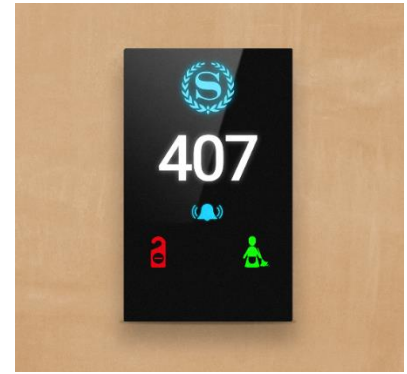
The occupancy LED indicator on the DND MUR allows both guests and attendants to easily determine the room's occupancy status. The LED color changes based on whether the room is occupied or available, providing a clear visual cue regarding the room's status.

Mona Switches

Lighting in the room is managed through the Mona touch switches mounted on the walls. Guests have the convenience of selecting a 'Master Off' option that turns off all the lights with a single action using these switches. Additionally, by pressing the DND and MUR buttons on the switch, guests can activate the DND MUR device, enhancing their control over the room's ambiance.

Mona Thermostat

The Mona smart touch thermostat series empowers guests to control the climate in each room effortlessly. It seamlessly blends design, technology, and intelligence within a contemporary setting. Featuring a touch-sensitive interface, minimalist lines, and a frameless surface, it delivers an exceptional user experience. When guests press the heating or cooling buttons on the thermostat, the Room Control Unit manages the fan coil mode, ensuring optimal comfort.
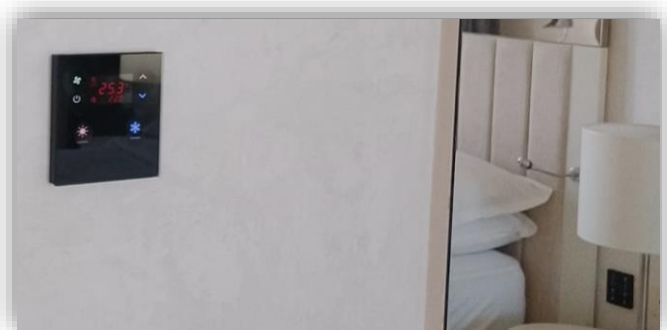
Other Devices

Room Control Unit

Power Supply

IP Router Secure

Property Management System (PMS)

As soon as the check-in process begins, various scenarios within the room are triggered. The fan coil is activated, the room temperature is adjusted, and both the lights and television are turned on. For this project, Opera and Fidelio integration has been utilized to provide Property Management System (PMS) solutions.