



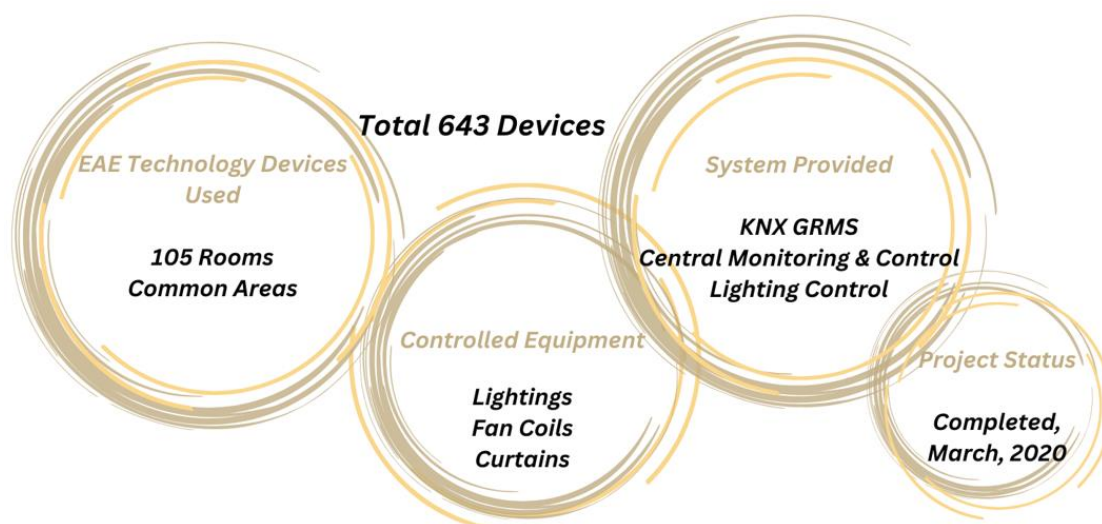
# LE MERIDIEN – Batumi, GEORGIA

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## Case Study



<https://www.marriott.com/en-us/hotels/busmd-le-meridien-batumi/overview/>



## **Customer Review**

*EAE Technology's lighting control, curtain control, and fan coil control systems have fundamentally transformed the operations of our facility. These systems not only significantly alleviate our workload but also enhance our guests' experience by demonstrating our commitment to innovation and advanced technology.*

*Moreover, the integration with our building management system, utilizing occupancy detection technology, facilitates intelligent heating cooling control. This maximizes energy efficiency while ensuring a more comfortable environment for our guests.*

*We are pleased to report that we have encountered no issues with the products and are very satisfied with their performance.*

**Davit Tabagua**  
**Technical Manager**

## Project Scope

*Le Meridien Hotel is the one of the perfect vacation spot, offering stunning views of Georgia. Savor the ambiance of our elegantly designed restaurants and casino, while enjoying the comfort of 105 well decorated guest rooms. Experience the true essence of a getaway at Le Meridien Batumi.*

*The KNX Guest Room Management System, expertly applied by EAE Technology, is designed to improve energy efficiency and provide maximum comfort in all 105 guest rooms, restaurants, casino and all common areas. This project includes several essential elements:*

*Central Monitoring & Control System Integration: The automation system integrates with the building's BMS, enabling remote operation and monitoring of the KNX GRMS system for seamless functionality.*

*Lighting Control: The system controls room lighting, enhancing guest comfort while effectively managing energy consumption.*

*AC Control: AC units are also controlled by EAE Technology's GRMS system.*

*Energy Conservation: Advanced automation technologies are deployed to reduce energy usage and achieve significant energy savings.*

*The hotel meets the highest standards for energy efficiency, comfort, and safety.*



## Used EAE Technology Devices

<b>Field Devices</b>	<b>Quantity</b>	<b>Panel Devices</b>	<b>Quantity</b>
Thermostat	202	Power Supply	18
Switches	44	IP Router Secure	19
Sensors	254	Room Controller	116
		Switch Actuator	15
		Dali Gateway	47
		Universal Interface	3

## Switches

Standard hotel rooms are equipped with Oria Push Button Switches, while the King suite rooms has Rosa Crystal Touch Button Switches, which providesy comfort and convenience with inutiative design.

These switches has 2 dependent or 4 independent programmable buttons for various functions.



## Thermostats

The Oria and Rosa thermostat series enable guests to manage climate control in each room. By seamlessly integrating design, technology, and intelligence into the modern environment, products provide a unique user experience with their nice design and optional icons.

Guests can easily turn lights on and off by pressing the buttons.



## Sensors

EAE Technology presence sensors are perfect for use in hotel rooms. With its IP44 protection degree, the sensors can be conveniently used in bathrooms. We initiate and control hotel scenarios based on the occupancy data provided by those sensors





Common areas (Restaurant, Lobby, Casino, Corridor) are controlled by KNX Dali Gateway.

## Other Devices



Power Supply



Room Control Unit



Switch Actuator



DALI GATEWAY



IP Router



Universal Interface

## 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.

