

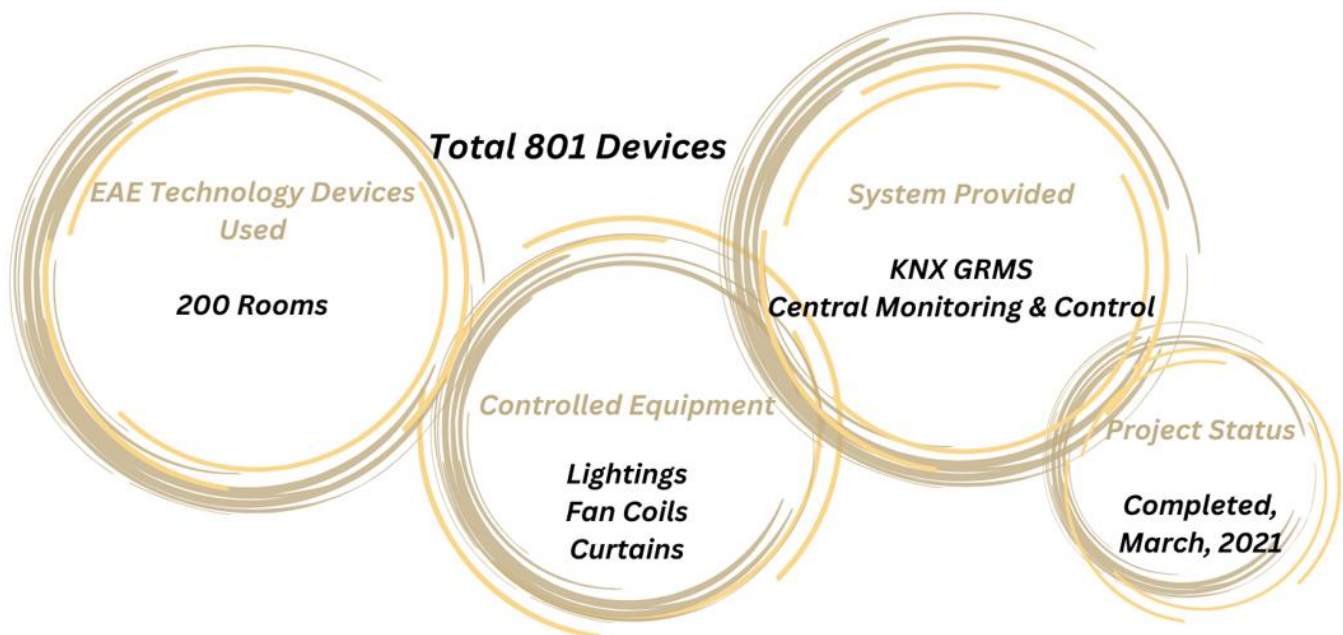
# **SOFITEL HOTEL – BENIGN**

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## **Case Study**



<https://sofitel.accor.com/fr/hotels/B845.html>



## ***Customer Review***

*Reference letter will be added soon...*

## Project Scope

EAE's KNX Guest Room Management System aims to enhance energy efficiency in hotels, ensure safety, and maximize guest comfort. The project encompasses the following components:

- **Central Monitoring & Control System Integration:** A central monitoring software is utilized to link the automation system with the building management system (BMS), enabling remote control and oversight of the KNX GRMS, which ensures seamless management.
- **Lighting Control:** The system oversees room lighting, significantly improving both comfort levels and energy efficiency.
- **HVAC Systems:** Provides centralized management and optimization of the hotel's heating and air conditioning systems.
- **Security Systems:** EAE's KNX system integrates with the BMS through Modbus and complies the security requirements
- **Energy Conservation:** The implementation of cutting-edge automation technologies helps to minimize energy use and achieve substantial energy savings.

As a result of the project's completion, the hotel will achieve top standards in energy efficiency, comfort, and security.



## Used EAE Technology Devices

<b>Field Devices</b>	<b>Quantity</b>	<b>Panel Devices</b>	<b>Quantity</b>
Mona DND/MUR Panel	200	Modbus Gateway	200
Mona Touch Thermostat	2	Room Control Unit	200
Rosa Touch Thermostat	20	Fan Coil Actuator	200
Oria Touch Thermostat	178		

## Property Management System (PMS)

Opera and Fidelio integration are in use for PMS (Property Management System) solution.

Once the check-in process is initiated, above scenes in the room are activated. The status of air conditioning, room temperature, lighting fixtures and the television status is arranged accordingly. In this project,



## Mona DND/MUR Unit

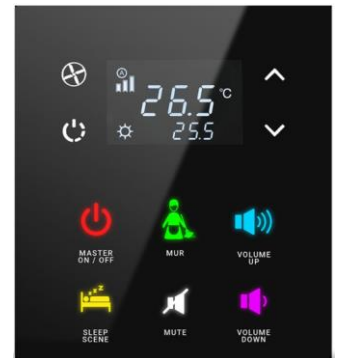
The hotel's special logo is used on the DND/MUR panel. Mona DND/MUR unit displays the room number in all rooms of the hotel. The "Do Not Disturb" and "Clean My Room" icons on the product are controlled from the bedside units and other wall switches in the room in order to increase the comfort level of visitors. Also the touch bell button becomes passive in the "Do Not Disturb" mode.



## Mona Touch Thermostats

The Mona smart touch thermostat series offers a sophisticated approach to managing climate control, designed to harmonize with contemporary interior spaces. Its sleek touch interface, minimalist design, and uninterrupted surface create a distinctive user experience that prioritizes both comfort and visual appeal. Beyond just regulating temperature, this thermostat enhances room aesthetics, making it a stylish addition to any setting.

Additionally, the series features versatile switching buttons, accommodating up to six controls that can effortlessly manage lighting as well. This innovative feature eliminates the need for multiple switches, contributing to a tidy and refined ambiance. By combining functionality with elegance, the Mona thermostat series not only enhances comfort but also elevates the overall design of the room



## Rosa Metal Touch Thermostats

In this project, we implemented the Rosa Metal Touch Thermostat to efficiently manage our heating and cooling systems. This thermostat features standard control buttons along with the option for four additional switching buttons, allowing us to streamline our setup and reduce costs by forgoing separate switches.

The engraved icons enhance user interaction, making it easy to navigate and operate all functions with ease. Integrated feedback LEDs provide clear visibility of the status of connected devices, while the navigation LED ensures effortless identification of controls in dimly lit areas.

Constructed from 4mm metal, the surface of the Rosa Metal products exudes quality and sophistication, contributing to the overall elegance of the environment. This combination of functionality and design makes the Rosa Metal Thermostat a stylish and practical choice for any modern setup.



## Oria Thermostats

AC units are managed via Oria Thermostats, which feature four additional switching buttons that can be utilized for various functions. In this project, the Oria Thermostats control both the heating and cooling units as well as the lighting fixtures through these extra buttons.

Furthermore, the thermostats' sandy-textured surface helps prevent fingerprints, maintaining a sleek look, while the status LEDs clearly indicate the current state of the lights.



## Other Devices



Room Control Unit



KNX Modbus Gateway



Fan Coil Actuator