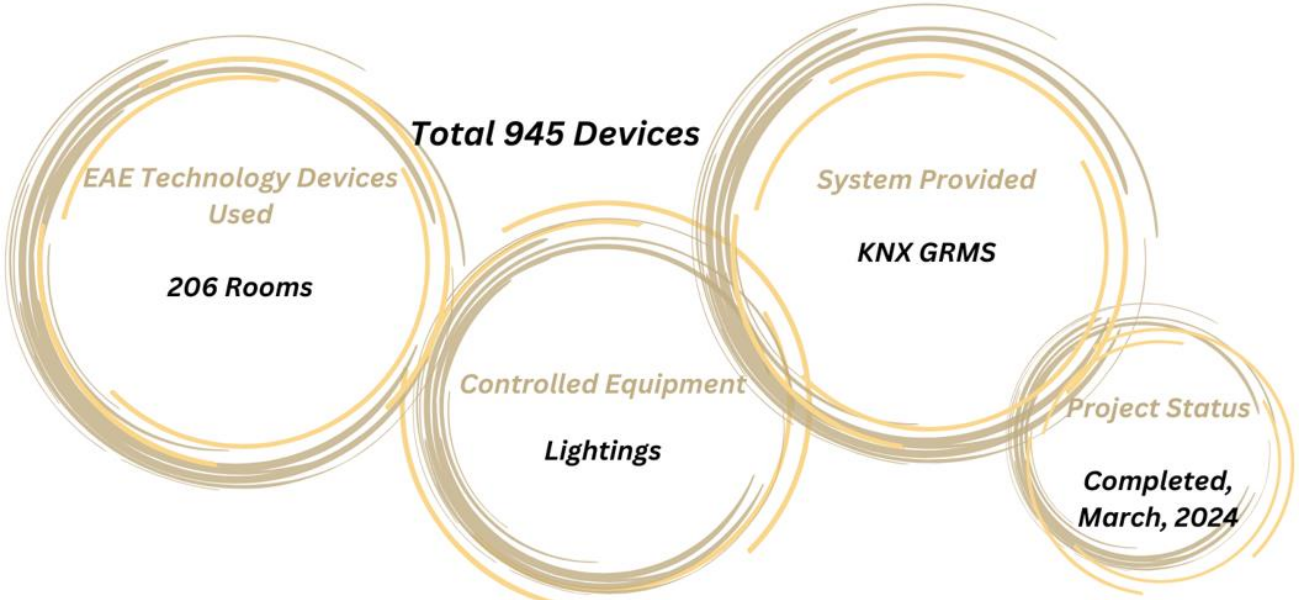
Nexus BY WYNDHAM – Ankara, TURKEY

Case Study

https://www.wyndhamhotels.com/tr-tr/wyndham/ankara-turkiye/wyndham-ankara/overview



Customer Review

Reference letter will be added soon...

Project Scope

EAE's KNX Guest Room Management System is designed to boost energy efficiency in hotels and prioritize guest comfort. The project includes the following key features:

• ***Lighting Control:*** *This system manages room lighting seamlessly, utilizing a universal interface device alongside conventional switches to improve comfort and maximize energy savings.*
• ***Heating/Cooling Control:*** *In this project, the On/Off control is applied through Room Control Units.*
• ***Energy Conservation:*** *Presence Detector used for occupancy-based energy management, automatically adjusting energy use when rooms are unoccupied.*

With these enhancements, the hotel will elevate its energy efficiency standards and provide a more comfortable experience for guests.

Objectives*:*

- *To provide a budget-friendly advanced lighting control solution.*
- *To improve energy efficiency and reduce operational costs through occupancy-based lighting management.*
- *To enhance guest experience and comfort with user-friendly control options.*
- *To establish a modernized, cohesive system that integrates seamlessly into the hotel's existing infrastructure.*

Deliverables*:*

- *Installation of EAE Technology's eight-channel universal interface.*
- *Implementation of occupancy sensors in designated areas.*
- *Deployment of DND/MUR units in each guest room.*

This project will ultimately lead to a more sustainable, guest-focused environment while optimizing the operational efficiency of hotel management systems.

Used EAE Technology Devices

Field Devices	***Quantity***	***Panel Devices***	***Quantity***
Mona DND/MUR Panel	*206*	*Universal Interface*	*391*
Oria Thermostat	*211*	*Room Control Unit*	*209*
Presence Sensor	*339*		

Mona DND/MUR Unit

The hotel's unique logo is prominently featured on the DND/MUR panel. The Mona DND/MUR unit conveniently displays the room number in every guest room. To enhance visitor comfort, the "Do Not Disturb" and "Clean My Room" icons are easily controlled from bedside units and additional wall switches within the room. Furthermore, when the "Do Not Disturb" mode is activated, the touch bell button becomes inactive, ensuring a peaceful environment for guests.

Oria Thermostats

Heatin/cooling are managed via Oria Thermostats, which feature four additional switching buttons 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.

Presence Sensor

By utilizing presence sensors in both the room and bathroom, we can effectively manage energy consumption based on occupancy. This intelligent system automatically adjusts lighting, ensuring that energy is used efficiently only when the spaces are occupied.

KNX Room Control Unit

EAE Technology's 12-channel and 16-channel KNX Room Control Units are an integral part of this project. This devices are equipped with also inputs, allowing for the connection of conventional input devices to the KNX topology. Through these Room Control Units, lighting systems can be effectively managed, offering enhanced control and automation within the rooms.

Universal Interface

By utilizing EAE Technology's innovative eight-channel universal interface, conventional switches were transformed into KNX switches. This strategic conversion not only enhanced the functionality and interoperability of the lighting control system but also significantly reduced project costs for the customer. Embracing this technology enabled more efficient management of electrical devices while ensuring a future-proof solution that can easily adapt to evolving automation needs. Overall, this approach reflects a commitment to maximizing both efficiency and budgetary savings in modern projects.