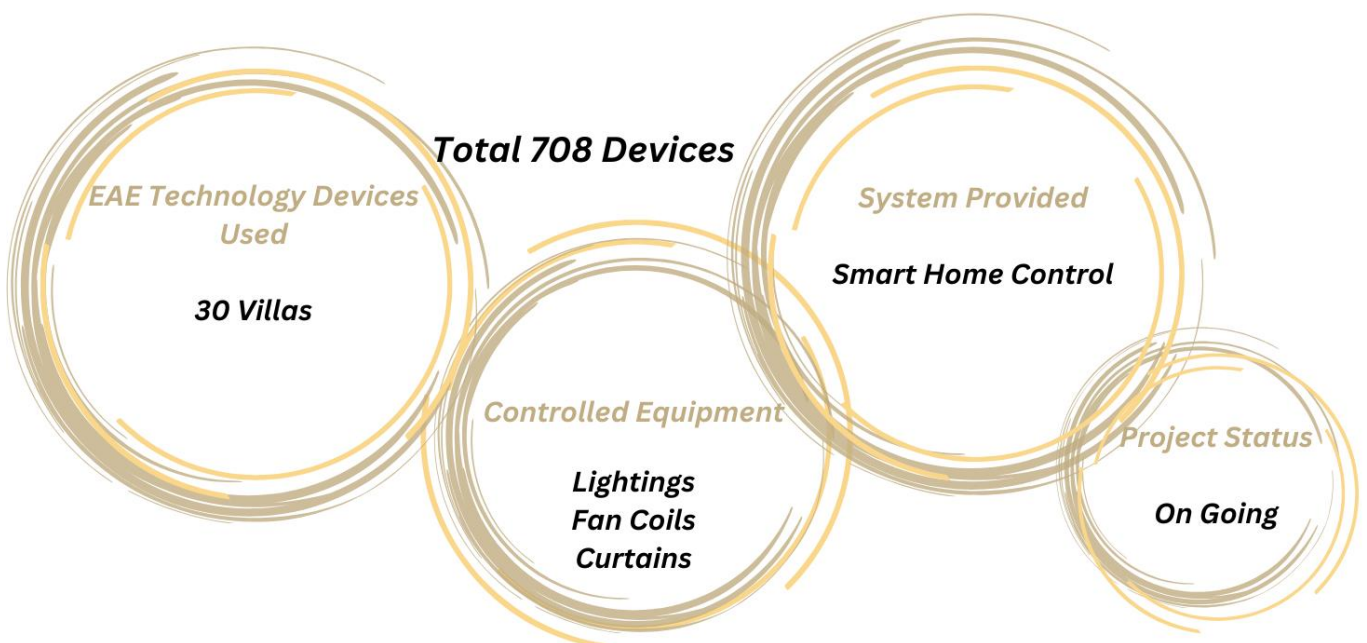


KEMPINSKI RESIDENCES ALACATI – Izmir/TURKEY

Case Study



<https://www.kempinski.com/en/development/upcoming-openings/kempinski-residences-alacati-cesme>



Customer Review

In this case study, you may notice that there is currently no customer review included. The project has not been completed yet. After completion it will take 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

The project's KNX Guest Room Management System is designed by EAE Technology's expert team to increase the hotel's energy efficiency, ensure security and maximize comfort. The following components are included in the scope:

- *Lighting Systems:* Automation and energy efficiency-focused control of all indoor and some part of outdoor lighting of the hotel. Lighting control is applied as dimming diming and on/off control.
- *HVAC Systems:* Control, central monitoring and optimization of the hotel's heating/cooling, ventilation and air conditioning systems. Fan coils and AC units are controlled by EAE Technology's KNX Thermostats and Mitsubishi AC Controller.
- *Security Systems:* Integration of room KNX System to Modbus (BMS) part with dual-layered approach which enhancing the encryption level.
- *Energy Conservation:* Use of automation applications that will provide energy savings by minimizing energy consumption. Door and Window contacts are used for unnecessary energy use.
- *Building Management System (BMS):* Monitoring and management of GRMS via a central control software.

In this context, when the project is completed, the hotel has been optimized to have the highest standards in terms of energy efficiency, comfort and security.



Used EAE Technology Devices

Field Devices	Quantity	Panel Devices	Quantity
Miola Touch Panel	36	Power Supply	20
Rosa Crystal Thermostat	109	Dali Gateway	3
Rosa Crystal Switch	287	Room Control Unit	50
		Universal Interface	30
		Sensor	100
		Line Coupler	1

Miola Touch Panel

Miola Touch Panel is used in this project for each villa to control lighting luminaries, heating/cooling system, curtains, intercom, mobile control, camera watching and alarms. Through the user-friendly interface it is very easy to control the villa through Miola.

Its sleek design and high-resolution display not only add a modern aesthetic to our interiors but also ensure that our guests can easily access and customize their living environments to suit their preferences.



Rosa Crystal Switch and Thermostat

In this project, we utilized the Rosa Crystal Touch Switch and Thermostat to effectively control the lights, curtains, and heating/cooling units.

The Rosa Crystal Thermostat is designed with standard thermostat control buttons and offers up to eight additional switching button options. This innovative feature allows us to optimize our budget by eliminating the need for separate switches alongside the thermostat.

Engraved icons on the products provide a user-friendly experience, allowing for intuitive control of all functionalities. The integrated feedback LEDs give users clear visibility of the status of the controlled devices, while the navigation LED facilitates easy identification of the products in low-light environments.

Crafted from 4mm tempered glass, the surface of the Rosa Crystal products spread a sense of quality and sophistication, enhancing the overall aesthetic of the space.



Other Devices Used in Project



Power Supply



Room Control Unit



Line Coupler



DALI Gateway



Motion Sensor



AC Gateway