Conveniently saving energy with Desigo

Hotel Courtyard by Marriott, Istanbul/Turkey

The Courtyard by Marriott Istanbul is a four-star hotel with 262 rooms. It is conveniently located in the triangle of the Ataturk International Airport, the congress and the exhibition center CNR-Expo Tuyap. To ensure the comfort of the hotel guests and save energy at the same time, the Courtyard by Marriott hotel deployed the latest Desigo™ building automation and control system from Siemens.

Courtyard Marriott – a luxury hotel
The Courtyard belongs to the JW Marriott Hotels & Resorts, Marriott International’s luxury brand that consists of beautiful properties in gateway cities and distinctive resort locations around the world. These hotels are authentic, putting guests at ease in an environment of relaxed elegance and effortless luxury. To further increase comfort, safety and security for their guests, the Courtyard by Marriott hotel opted for the Desigo building automation solution from Siemens.

SCS TESISAT installed Desigo
SCS TESISAT is an official Solution Partner of Siemens and located in Istanbul. The company is a leading partner in Turkey and also commissions high-quality building automation projects throughout Europe, Africa, the Middle East, and Asia.

SCS TESISAT implemented the latest Desigo building automation and control system at the Courtyard hotel. Their offering included engineering solutions and consultancy, project design and management, commissioning, supervising, training, and post-sales services.
Requirements of a luxury hotel
The primary objective of a luxury hotel is the well-being of the guests. This is achieved through a high level of comfort in every aspect – including, for example, comfortable rooms or clear evacuation instructions in case of fire. That is why the new Courtyard by Marriott hotel in Istanbul required a cross-discipline building automation solution that integrates and controls everything – from HVAC control to fire safety and security-related systems – and that amortizes quickly. The solution also had to be high-end regarding scalability, flexible customizing, communications standards, IT technology, and integration options.

High level of comfort – with Desigo
With Desigo from Siemens, SCS TESISAT deployed a flexible and future-proof building automation and control system that perfectly meets the requirements of the Courtyard hotel. It ensures not only a high level of comfort for guests, but also economic operation. All technical plants and systems for heating, ventilation, and air conditioning are monitored and controlled by Desigo PX automation stations. 20 preprogrammed energy saving functions keep maintenance costs down and increase energy efficiency by up to 30% – supporting the hotel’s external image as a “green hotel”.

The hotel guests can also enjoy particular comfort. The use of over 300 highly accurate Desigo RX individual room controllers allow guests to set their preferred room temperature. Corridor lights are controlled by the building management station according to the time schedule. Room lights are switched off when the energy saver card is removed.

Increased safety and security
All safety- and security-relevant systems are integrated into Desigo as well. This assures a perfect interplay of, for example, alarming and evacuation with all HVAC plants in case of an emergency.

Highlights
- Green hotel image – increased energy efficiency by up to 30% due to energy saving functions
- High level of comfort – thanks to individual room controllers
- Monitoring and controlling of heating, ventilation, and air conditioning – with Desigo PX
- Storage of individual preferences of guests, e.g., regarding temperature – with Desigo Insight

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