



Mardan Palace: 5++ Star Turkish Hotel Provides a Smart RF Solution Based on LONWORKS Technology

The Mardan Palace is located in Antalya, on the beautiful shore of the Mediterranean Sea: the fashionable southeast coast of Turkey. This recently opened hotel has been designed by a world famous international interior designer, with the intention to reflect the famous characteristics of the historically rich country of Turkey. It has been constructed by Turkey's Zafer Construction Company: around 2500 workers and engineers took part in the construction. Turkey is known for its impressive heritage and traditions, and Mardan Palace will stand out as an exquisite and true five star resort, combining rich culture with traditional architecture and modern amenities – a luxurious environment where guests can choose how to divide their time between sun, spa, and culture. Rooms: the hotel is comprised of 560 rooms and suites: 70% of all rooms are 60-70 square meters. Standard rooms are around 50 square meters and double bedrooms are around 200 square meters. In addition, there are 20 villas (each around 100 square meters) and king suites on the top floor of the hotel (each around 2500 square meters).



Services & Facilities

- Conference, meeting and banquet facilities with state-of-the-art technology
- Entertainment areas: amphitheatre, cinema, nightclub, shopping arcade etc.
- Aquatic adventures: a 16,000 square meters swimming pool, four aquariums (5000 fish from different seas: Pacific, Caribbean, Red Sea, etc.)

- Sport Facilities: tennis court, beach volleyball, bowling, squash court, golf, etc.)
- Restaurants: 13 select designed restaurant concepts (several countries)
- Children's facilities

The Challenge: Comfort and Technology in all Rooms

In each room, this new 5++ star hotel offers guests an advanced interactive multi-media system (flat screen LCD TVs, internet access) and



also a comprehensive automatic control system for their comfort, allowing a flexible local command through a customized "multi-jobs" remote controller (lighting and HVAC functions). Attractive design and command reliability were required. No technical equipment is visible in the room in order to respect the high level of palace aesthetics. Radio frequency technology was consequently selected: the radio receivers are installed in a technical cabinet along with a LONWORKS interface in each room. On the other hand, LONWORKS was selected as the best technology to provide open and interoperable solutions which allow the use of other LON equipment for comfort control functions (lighting, climate, etc.).

The LONWORKS Solution & Key Benefits

The Dalilon® RF remote control system with the LONWORKS Dalilon interface combines a smart design and easy intuitive operating. Each guest command is translated by the Dalilon interface into a "SNVT" standard variable which is then sent onto the network to drive the associated comfort devices (lights, HVAC unit etc.).

Visit our website for more case studies: www.lonmark.org/connection/case

The radio remote controllers are imprinted with the brand of the hotel and all keypads are customized for intuitive use.

- Temperature setting is controlled by two dedicated buttons (temperature up/down).
- Fan speed is controlled by a single dedicated button (1-2-3, slow-medium-fast).
- The main lighting circuit is controlled by two dedicated buttons (dim up/ dim down).
- Two single buttons allow turn-off of the main lighting circuit, or turn-off of the WC lights.
- A&B buttons allow selection of lighting predefined scenarios.

Equipment

- 15 infrared remote controllers
– Dalilon
- 470 Karno® RF receivers
- 182 Dalilon RF receivers
- 855 RF remote controllers (grey design)
– Dalilon
- 648 Network interface 230VAC, four channels
– Dalilon

Contact:

Acelia
sales@groupe-arcom.com
www.acelia.eu
Tel. +33 4 78 45 60 77