



## CASE STUDY

# COMPLEX OF THREE LUXURY RESORTS

### BACKGROUND

- 3 luxury properties
- 635 junior and executive suites
- 75 villas
- Golf club
- AAA Four Diamond rating
- Each resort is different
- Unique personality, design and atmosphere
- Extensive beach and sea views



#### PREVIOUS ANALOG INFRASTRUCTURE ANALOG RADIO COMMUNICATION SYSTEM:

**7** Repeaters (Different brands and models: Kenwood TKR850, Motorola and others)

**3** Base Radios (Different brands and models: Motorola, Kenwood)

**280** Portable Analog Radios (Different brands and models: Motorola, Kenwood, HYT)



#### CURRENT DIGITAL INFRASTRUCTURE MOTOTRBO™ CONVENTIONAL DIGITAL RADIO COMMUNICATION SYSTEM

**4** MOTOTRBO DGR6175 and 6SLR5100 Repeaters

**4** DGM45000 Radio Bases

**300** DEP450 Digital Radios

**10** DEP570 Digital Radios

**25** MOTOTRBO Portable Radios with GPS (licenses and PC)

### ✗ ANALOG SYSTEM PROBLEM

**1** The system was saturated: at least 16 conversation groups were needed for the different areas and their conversations had to be divided up between each one of the 4 hotels.

**2** Due to the size of the hotel, locating and communicating with employees was a problem.

**3** There were constant problems locating employees and constant complaints about poor transmission/reception and coverage.

**4** Due to the size of the hotel, golf carts are used to transport guests within the grounds. Accidents were common and there was no system for locating the golf carts.

**5** The hotel did not have the capital to replace the entire analog system with a digital system.

### ✓ MOTOTRBO™ SYSTEM SOLUTION

With TDMA (Time-Division Multiple Access) technology, a single repeater can transmit two conversations at once, leading to better use of frequencies by doubling the conversations on a single frequency.

With the remote monitoring function, employees can be supervised and monitored more effectively, so optimizing the use of the hotel's human resources.

With the ARTS (Auto-Range Transpond System) function on the digital radios, the supervisor can check whether or not the device is within range.

With the GPS function on MOTOTRBO digital radios, coordination improved and the response time between the guest's request and the provision of the golf cart was greatly reduced.

Because the MOTOTRBO digital system is both analog and digital, the customer was able to complete the migration in two stages.

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