

CASE STUDY

# **HOTEL COMPLEX** WITH 591 ROOMS

### **BACKGROUND**

- 591 luxury junior suites with 2 or 3 bedrooms
- · Spectacular views of the coastline
- · Excellent personalized service
- · Direct access to the pool

- Handmade furniture
- Designer decorations
- 9 international restaurants
- 35,000 square feet for events and activities

# PREVIOUS ANALOG INFRASTRUCTURE

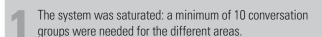
Kenwood TKR850 Analog Repeaters

Motorola EM400 Radio

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

## CURRENT DIGITAL INFRASTRUCTURE OTOTRBO™ CONVENTIONAL DIGITAL RADIO DMMUNICATION SYSTEM:

### **ANALOG SYSTEM PROBLEM**





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.

Conversations were noisy and unintelligible due to the loud background noise in places like the machine room, the laundry room, the dining room and the beach areas.

With MOTOTRBO digital technology, ambient noise is eliminated in radio communications, ensuring clear audio and preventing errors and lost time.

Equipment was lost and there was fear of being heard by people not associated with the complex.

When the supervisor is notified, they can now block the device with the radio inhibit function.

Equipment was used inappropriately: users played with the PTT and made dirty jokes anonymously.

With the PTT ID function on the screen of the device, the supervisor can identify which radio is transmitting the message and who the radio belongs to.

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

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

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