



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 ANALOG RADIO COMMUNICATION SYSTEM:		CURRENT DIGITAL INFRASTRUCTURE MOTOTRBO™ CONVENTIONAL DIGITAL RADIO COMMUNICATION SYSTEM:	
4 Kenwood TKR850 Analog Repeaters	2 Motorola EM400 Radio Bases	4 MOTOTRBO DGR6175 and SLR5100 Repeaters	2 DGM5000 Radio Bases
160 Portable Analog Radios (Different brands and models: Motorola, Kenwood, HYT)		160 DEP450 Digital Radios	5 DEP570 Digital Radios
			2 DGP5550 Radios

× ANALOG SYSTEM PROBLEM	✓ MOTOTRBO™ SYSTEM SOLUTION
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| 1 The system was saturated: a minimum of 10 conversation groups were needed for the different areas. | 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. |
| 2 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. |
| 3 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. |
| 4 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. |
| 5 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. |

PHONE NUMBERS FOR LATIN AMERICA AND THE CARIBBEAN

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