

Hytera Multi-Converge Communications Solution for Dubai Luxury Hotel, Atlantis the Palm

User

Atlantis The Palm, Dubai

Market segment

Commercial

Project time

2016-2021

Products

DMR Tier II

PT580H Plus

Z1P

PTC760

PNC550

TS-9200

Smart MDM Platform

Hytera HyTalk Application



Introduction >>

Hytera supplied a POC Solution with MDM and DMR Tier II solution with Rugged Hand portable radios at Atlantis the Palm, Dubai, a luxury hotel resort located at the apex of the Palm, helping them for enhanced coverage, greater reliability and a wider range of additional features.

Background >>

Atlantis The Palm, Dubai is a luxury hotel resort located at the apex of the Palm Jumeirah in the United Arab. It was the first resort to be built on the island and is themed on the myth of Atlantis but includes distinct Arabian elements. The hotel is redefining the concept of international luxury living. With the contemporary living spaces offering uninterrupted views of the ocean and the Dubai city skyline, guests will also be able to enjoy a variety of unique amenities including soaring private gardens with their own pools, an awe-inspiring rooftop infinity pool suspended 90 meters above The Palm, relaxing private beaches, and world-class restaurants with award-winning celebrity chefs.

The Challenge >>

The massive size and scale of the properties throws up considerable challenges when it comes to ensuring security and enabling smooth operations across the huge site. A reliable communications network is essential to efficiently coordinate the many types of activity across the Hotel, Water park, monorail & beach areas.

Atlantis the Palm at Dubai have already deployed a private Tetra communications network, which has been in use for some years. The hotel includes water park, aquarium, beach restaurants, which need different types of communication solutions. And also the interconnection is difficult since there are many communication standards over dedicated networks.





The Solution ➤➤

Hytera provides customers with portable radios and repeaters with DMR and TETRA standards, IP repeater stations interconnection and tetra indoor coverage using TS9200 systems, and overall communication solutions. One stop solution with Multi user communication with multiple technology which includes DMR Tier II, Tetra, LTE, POC and Mobile Device Management solution. Security team using TETRA communication includes PT580H plus, Z1P slim and rugged Hand portable unit and MT680H plus for control room radios.

Water park using the Dual mode terminals PTC760 which connect the Security team for emergency and using hotel management application as well. Also, extend the indoor coverage using TS-9200.

DMR System:

The water park has its own separate radio communication system called Digital Mobile Radio (DMR).

This was installed, rugged and waterproof radios since lifeguards were constantly dropping their radios into the pools and rivers around the park resulting in a large

expense being incurred to replace them. This digital System is supported by one repeater and one antenna in the water park and the same combination in dolphin bay. Dolphin bay is a separate part of the water park dedicated to dolphins.

Although this is a DMR system as opposed to the Tetra system in the hotel, the same brand of hand radio is used.

However, the model is different from that used in the Hotel, as the PD605 used in the Water Park is very rugged and much efficient communication solution. Hytera manufacture a specific brand of radio supported by the Tetra system (Atlantis The Palm) and a different model of radio supported by the DMR System.

Hytalk POC Solution with Smart MDM:

For internal Staff needs a smart communication solution over smartphone including to handle hotel management application. So Hytera offered smart POC terminal integrating smart phone and professional Push-to talk function over WLAN & Lte.

To improve the productivity and efficiency of the hotel and are adopting Push-To-Talk over 3G/4G/Wi-Fi networks which provides instant communications with large coverage for entire hotel and including MDM (Mobile Device Management) as well, so that can easily configure and manage PNC550 POC radio. It enables batch programming, upgrade, key management, permission control, App and file push to POC radio through WLAN and LTE, at the meanwhile and enables programming the radios.

The Results ➤➤

Leading digital platform, innovative ergonomic design, complete product lines make Hytera the best choice for Atlantis the Palm in improving management efficiency and implementing smooth business-critical communication.



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