

Hytera PoC Solution Enables Ugandan Security Company to Communicate with Personnel Across the Country



Introduction

Magnum Security, a private security firm in Uganda, required a wide area radio solution that would enable it to communicate with its local branches and personnel spread around the country. Hytera supplied its PoC technology with web-based dispatch and a mix of PNC360S handheld and MNC360 mobile PoC radios. Magnum can now easily communicate with staff throughout Uganda, while the dispatch system and location tracking technology have improved the level of operational efficiency and customer response.

The Background

Magnum Security is one of the top private security companies in Uganda. It provides professionally trained and licensed security personnel to various industry sectors including, property, industrial, commercial, construction, residential, farming and ranching. It offers manned security for all kinds of premises and events, bodyguards, and VIP close protection services. It also

Project Name

Magnum Security PoC Solution

Client Name

Magnum Security Company Ltd

Project time

April 2024 to October 2024

Industry

Security

Products/Solutions

PNC360S PoC Handheld Radios

MNC360 PoC Mobile Radios

Hytera Dispatch System

provides surveillance services, CCTV and access control systems, alarm monitoring, intrusion detection and response services. It has over 2,000 security personnel and guards over 1,000 properties.



The Challenge

Magnum Security has a big network of operations spread across Uganda with branches in various cities and personnel working in many different locations. The company needed a radio solution that could provide long range communications.

It also needed a new centralized communication center implemented at its HQ in the capital city of Kampala to oversee communications and manage operations with its different branches throughout the country.

The business had relied on traditional VHF two-way radios, but these had a limited range and the radio infrastructure came with a high cost, making it economically prohibitive to invest in on a nationwide scale.

The Solution

Magnum Security decided to adopt a Hytera Push-to-Talk over Cellular (PoC) solution, as this operates over existing nationwide public cellular and local WLAN networks. There is no need to invest in expensive radio infrastructure, just devices, SIM cards and subscriptions.

PoC provides the coverage required to support long-range communications across Uganda. It enables instant PTT group and individual calls and texts in the same way as traditional two-way radio systems.

For the Phase 1 stage, the company has acquired 40 PNC360S handheld and MNC360 mobile PoC radio terminals and a web-based dispatch system. In so doing, Magnum has become the first security company in Uganda to adopt PoC solutions to facilitate communications in daily and emergency operations.

Products

- PNC360S PoC Handheld Radios
- MNC360 PoC Mobile Radios
- Hytera Dispatch System



The Benefits

Enhanced Performance

The Hytera PoC solution provides nationwide coverage, more capacity and greater functionality, including real time dispatching and location tracking to enhance the operational efficiency of security personnel.

Cost-effective Solution

The PoC solution uses existing cellular and WLAN infrastructure making it a quick to deploy and economic alternative to traditional two-way radio.

More Efficient Management

The centralised dispatching facility and nationwide coverage makes it much easier for supervisors to coordinate staff to carry out tasks or to respond to any incident or emergency situation. This provides customers with a faster, more responsive service so buildings, assets and people are better protected.

Location Tracking

The PNC360 and MNC360 are equipped with positioning modules using various combinations of GPS, BDS, GLONASS and Galileo, so security staff can be located more quickly and more precisely for more efficient dispatch.

Reliable and Durable Radios

The PNC360S is highly rugged as it is certified with IP67 rating and MIL-STD-810H standard to withstand water, dust, shock, extreme temperatures, and sudden drops up to 1.2 meters.

Superb Audio and Long Battery Life

The PNC360S provides loud and clear audio even in noisy environments thanks to its 3.0-watt built-in speaker and the distortion suppression and noise cancellation technologies. Its 4,000 mAh battery easily provides power for an entire shift on a single charge.

Hytera's PoC solution easily met the coverage requirements, while the dispatch platform enables the customer to carry out real time dispatching and location tracking to enhance overall operational efficiency. It is a good example of how PoC can provide organisations with a cost-effective, wide area communications solution to enhance the performance of their business.



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