

Hytera PoC solution extends coverage to remote sites in South Africa for private security group



Introduction

South Africa's iMvula Group provides security services at over 2,000 sites scattered across the country. However, its existing DMR network struggled to reach some of the more remote locations. Hytera distributor Altron Nexus implemented a Hytera HyTalk PoC solution to augment the DMR network and extend coverage in a very cost-effective way to all the sites.

The Background

iMvula Group, based in Sandton, northern Johannesburg, provides a range of managed solutions for a wide variety of clients in South Africa. iMvula's Outsourcing division offers an extensive selection of services and among them private security is the division's largest revenue contributor. The Group provides security services at almost 2,000 sites nationally across multiple industries including commercial real estates, education, financial institutions, government institutions, healthcare, manufacturing, industrial, logistics, retail, natural resources, and public transportation. It has more than 8,000 security officers in its employ.

Client Name

iMvula Group

Project Time

2020

Project Location

South Africa

Industry

Private Security

Products/Solutions

- HyTalk Service Platform
- PNC370 PoC Terminals
- DMR Portable Two-way Radios



iMvula provides converged security services, which are designed to augment the traditional security guard model by adding modern technology to deliver a more efficient and effective security solution for its customers. A key component of the technology is the use of a robust and reliable communication solution.

The Challenge:

Extend radio coverage to remote locations

iMvula had previously implemented a Digital Mobile Radio (DMR) two-way radio solution based on repeaters to provide and extend coverage. However, the radio network struggled to deliver adequate coverage in remote locations, so this was a huge challenge. iMvula decided it needed to find a communications solution that would complement its DMR network by extending coverage to even in the remotest locations where it was providing security services.

The Solution

Hytera distributor Altron Nexus (AN) has provided iMvula with the majority of its mission critical communication requirements to date, so the Group asked it to come up with a solution. Altron Nexus recommended using Hytera's HyTalk Push-to-Talk over Cellular (PoC) platform along with Hytera PNC370 PoC terminals.

PoC provides all the benefits of two-way radio systems such as instant PTT individual, group and emergency communications, but it operates over existing public mobile phone networks, rather than its own private infrastructure. This helped to minimise the company's investment, while maximising its return in terms of flexibility, coverage and added radio functionality.

The Hytera PoC solution easily met the coverage requirements, while the HyTalk management platform provides integration with PoC hand portable terminals, cellular mobile phones, body worn cameras (BWCs), other Android-based devices and dispatcher software.

Altron Nexus provided iMvula with 1,500 Hytera devices, of which 90% are PNC370 PoC portable terminals and 10% are DMR terminals. This allows for seamless communications over 2G/3G/4G/WiFi network of mobile network operator Vodacom.

Products

- HyTalk Service Platform
- PNC370 PoC Terminals
- DMR Portable Two-way Radios



The Benefits

Cost-effective Wider Coverage

The Hytera PNC370 devices have been used by iMvula security personnel over the past two years throughout South Africa at more than 2,000 sites including remote locations, suburban areas, mines, government departments, hospitals, universities and so on. As the PoC solution requires no infrastructure, it provides a very cost-effective and flexible communications network.

Compact and Easy-to-Use PoC Solution

The PNC370 terminals are simple and easy to use and provide instant PTT communications with nationwide coverage over cellular and Wi-Fi networks to help security guards deliver improved productivity and efficiency.

Greater Functionality

The PNC370 devices use Vodacom GSM SIM cards to provide more accurate GPS locations, voice recording, geofencing, video surveillance, dispatcher systems, remote over the air programming and the ability to make immediate changes to the terminals.

Superior Devices

Hytera provides robust and high quality devices in terms of durability, functionality and ergonomics. The devices are reliable and rugged as they are MIL-STD-810 G and IP55 certified. They also have a long battery life, which is able to support a full day's shift, as well as delivering loud, clear audio transmissions. In addition, the devices are with improved receiver sensitivity which guarantees a longer communication range.

Good Customer Support

Hytera and Altron Nexus provide excellent after-sales support in terms of advice, troubleshooting, repairs and maintenance.

ALTRON
NEXUS



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