TETRA protects Santo Domingo

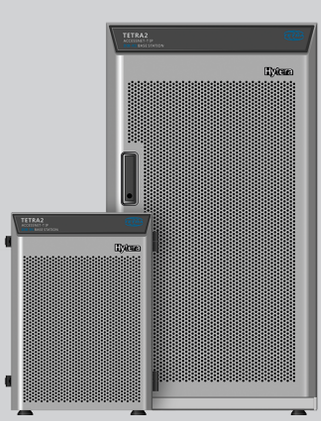
Public safety in the Dominican Republic

Customer
Ministry of Interior and Police of the Dominican Republic

Project time period
2013 to 2018

Products
- IP-based TETRA radio system ACCESSNET®-T IP
- 56 base stations
- 2 switching nodes, including voice recorder
- Digital-analog gateway
- Network management

Description of solution
- Turnkey TETRA radio system for voice and data communication
- Integration into 911 emergency call system
- Comprehensive network management
- Integration of third-party applications



DIB-R5

PUBLIC SECURITY

TETRA radio system for task forces

As an island nation between the Atlantic and the Caribbean, the Dominican Republic is a popular holiday destination. As a UNESCO World Heritage Site, the capital, Santo Domingo, also attracts countless tourists to the Caribbean metropolis every year.

To guarantee public safety in Santo Domingo and enable task forces to respond quickly, an efficient communication system is indispensable. In 2013, together with Hytera US, Hytera Mobilfunk was commissioned by the Dominican Republic's Ministry of Interior and Police to implement a TETRA radio system for the metropolitan area of Santo Domingo. In 2016, the network was extended to include Santiago de los Caballeros and the "Zona Norte" on the north coast of the Dominican Republic.

A solution that succeeds

Our TETRA radio system for the Dominican Republic is part of a complete solution. Together with a camera monitoring system, the solution includes a comprehensive 911 emergency call system that is used for all public security organization and communication.

A task force of more than 12,000 from the fire brigade, rescue services and disaster control benefit from failsafe communication as well as reliable data transmission, and are in possession of sturdy and high-performance devices with Hytera TETRA handheld radios and Hytera TETRA handheld vehicle radios. Comprehensive control and dispatcher functions help them respond quickly and work efficiently.

Thanks to the high-performance voice and data communication as well as their flexibility of use, the TETRA radio system from Hytera is the ideal solution for the Dominican Republic's Ministry of Interior and Police. The 911 emergency call system enables the efficient, high-level organization of task forces, improving the safety of citizens.

Our mobile radio solution in detail

For the 911 emergency call system in and around Santo Domingo, Santiago de los Caballeros and the north coast of the country, Hytera implemented an ACCESSNET®-T IP radio system according to the TETRA standard. It currently consists of 56 base stations that are connected to two switching nodes. In addition to an analog-digital gateway, the Hytera radio system can also be connected to the public and internal telephone network as well as the country's emergency call center.







The considerable flexibility of our solution is demonstrated by its easy integration into the 911 emergency call system. Components and systems from external manufacturers can be easily integrated into the Hytera infrastructure via the multifunctional A-CAPI interface. Even third-party applications can be incorporated into the TETRA radio system with their full scope of functions, using the radio system for data transmission.

Extensive dispatcher functions provide a wide range of options for organizing task forces on the ground. The TETRA radio system is also characterized by high security standards: Redundancy functions provide maximum reliability and authentication mechanisms, as well as the enable/disable functions of the radio, guarantee the security of transmitted speech and data. The integrated network management system enables user-friendly management of all participants in the radio system.

Facts and figures: Dominican Republic

- Island nation between the Atlantic and the Caribbean
- Official language: Spanish
- Capital: Santo Domingo

Santo Domingo:

- Area: Approx. 104 km2
- Population: Just under 3 million
- The historic old town has been a UNESCO World Heritage Site since 1999

Santiago de los Caballeros:

- Area: Approx. 75 km2
- Population: Over 600,000
- Most important commercial center in the north of the country, center of the tobacco industry

TETRA for the Dominican Republic

- Integration of the TETRA radio system into the 911 emergency call system
- High-performance transmission of voice and data
- Numerous dispatcher functions and voice recorders
- Comprehensive network management
- Redundancy between Santo Domingo and Santiago
- High reliability thanks to base stations with an independent 72-hour power supply

Exactly what you need: Solutions from Hytera Mobilfunk GmbH

Each Hytera mobile radio system is a customized solution with optimal performance.
No matter how difficult the conditions are. Or which manufacturer produced the terminals.
Customers in 40 countries on four continents are already using Hytera solutions: In industry, the oil and gas sector, public security and local public transport systems, at airports and for military applications. In addition to the first-class technology from Hytera Mobilfunk GmbH, they value one thing above all else: The holistic, customer-oriented project management that solves problems before they occur.

Hytera
Respond & Achieve

Hytera Mobilfunk GmbH

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