



# SANTA CRUZ PROMOTES SAFER CITIES WITH AN ADVANCED DIGITAL COMMUNICATION SYSTEM



The Government of Santa Cruz, Bolivia, deploys the most modern and extensive mission-critical digital communication system in the country. It is the first in Bolivia, and one of the most advanced in South America. Designed to provide wide and flexible connectivity as well as reliable interoperability, the system delivers improved public safety monitoring, and enables agencies to be ready for emergencies, improve response times and promote community safety and peace of mind.

## THE GOVERNMENT

The mission of the authorities of the Government of Santa Cruz, through the Department's Emergency Operations Center (COED), is to prevent and/or reduce the impact of the effects of adverse events caused by emergencies and/or disasters. Thanks to the coordinated efforts of all the organizations and people involved in Risk Management, it is possible to minimize people's suffering and reduce the loss of life and property across the entire Department of Santa Cruz.

## THE CHALLENGE

In order to foster a safety and risk management culture that helps to protect its 2,600,000 citizens over an area of 370,621 km<sup>2</sup>, the Government of Santa Cruz found it necessary to deploy a mission-critical digital communication system that would allow interoperability between various Government's security and emergency response agencies, and thus be able to coordinate operations, better control situations and speed up response times.



## CASE STUDY

GOVERNMENT OF SANTA CRUZ, BOLIVIA

### THE SOLUTION

To achieve its goal of communications upgrade, the Government of Santa Cruz turned to Motorola Solutions' proven experience in the design and implementation of comprehensive mission-critical public safety solutions that build safer cities and thriving communities.

The company Eurocom has implemented a multi-site P25 system supplemented by APX portable radios. The system is designed to operate in mission-critical situations and natural disasters, delivering:

- high tolerance to increased call traffic
- flexible coverage for connection in remote locations
- extra batteries on the network for use even during power outages
- secure and instant communications (call setup time is less than 500 milliseconds)
- encrypted data transfer to safeguard information sharing between agencies

### THE BENEFITS

This advanced communication network optimizes public safety monitoring and speeds up emergency response times. By allowing for a high degree of equipment interoperability and compatibility, as well as affordable maintenance and upgrade throughout its life cycle, the P25 system helps reduce costs and improve return on investment.

By standardizing communications through a command and control center, public safety agencies can always be one step ahead of any emergency situation, coordinating responses and concentrating operations at the incident location in just a few minutes. These benefits will enable all forces to improve their communications in the region, allowing them to provide excellent security services and promote the safety and peace of mind of millions of residents of Santa Cruz citizens.

*"For us, this represents a major leap in technology. With this implementation we will be able to provide security and protection to the entire Department of Santa Cruz — not just the metropolitan area, but all our provinces as well. This digital system provides us with voice communication and data transmission capabilities. Thanks to this, we can know the precise location of each police officer, paramedic, police car or ambulance in this department. In addition, we will be able to interconnect different security and law enforcement agencies to respond to police, emergency or health operations in a coordinated manner, facilitating and speeding decision-making."*

**Engineer Enrique Bruno, Secretary of Santa Cruz**



*"The deployment of this project will be a turning point in the way the Departmental Government addresses mission-critical situations. This system is at the forefront in the region and follows global trends in public safety communications. We are proud of having been selected to collaborate with the authorities of the Department of Santa Cruz, by providing technology that allows instant contact for citizen protection."*

**René Gallardo, Manager, Motorola Solutions**

### DEPLOYMENT SUMMARY

#### Company:

Government of Santa Cruz

#### Location:

Santa Cruz de la Sierra  
Bolivia

#### Vertical Market:

Government

#### Project:

Implementation of a Motorola Solutions P25-based mission-critical multi-site digital communications system.

#### Motorola Solutions

##### Products:

- Mission-critical P25 network with 650 devices and accessories
- 500 APX portable radios, highly durable and resistance certified
- 100 mobile in-vehicle radios
- 50 base radios located at strategic sites
- Main antenna and communication equipment

##### Applications:

- MOTOLOCATOR for the Command and Control Center, with satellite-based location of radio users.

##### Related Companies:

Eurocom

##### Benefits:

- Optimization of operational resources
- Seamless connectivity
- Better results in the field
- Increased security during operations
- Wider regional coverage
- Standardization of communications through a command and control center

To learn more, visit [www.motorolasolutions.com/caribbean/astro](http://www.motorolasolutions.com/caribbean/astro)

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