



## Case Study:

# RADWIN SECURES THE 2014 FIFA WORLD CUP

RADWIN 5000 PtMP systems installed on Mobile Command Center Vehicles to help military police monitor crowds & prevent riots

### Customer

Secretariat for Major Events (SESGE), a branch of the Ministry of Justice Department in Brazil.

### Partner

Rontan Telecom, Brazil.

### Background: Setting the Stage for the 2014 FIFA World Cup

The FIFA World Cup is the most widely viewed sporting event in the world. As well as the massive television audience, more than 3.2 million people attended the 62 matches in the 12 host cities during the 2014 World Cup in Brazil.

Ensuring public safety for this huge influx of people is a major challenge. In preparation for the 2014 World Cup, the Secretariat for Major Events spent more than US \$571 million on high-tech security. One of its key investments was in a fleet of 27 Mobile Command & Control Center vehicles.

### Customer Requirement

The Secretariat for Major Events required a wireless triple-play communications solution that would enable:

- » Mobile Command Center vehicles and the main control centers to send and receive live video, voice and data in real-time.
- » Integrated communications between operational teams in the field, Mobile Command Center vehicles and the main fixed control centers.

*“We recommended RADWIN for this mission-critical project because the systems met the most exacting technical and security requirements.”*

Luís Carlos Machado, Telecom System Manager, Rontan Telecom, Brazil



RADWIN 5000 installed on vehicles deployed in strategic locations



RADWIN 5000 PtMP transmit HD video to Mobile Command vehicles in real-time

### Mobile Command & Control Center Vehicles

Mobile Command Center vehicles empower the military police to monitor and supervise crowds.

The Mobile Command and Control Center vehicles were equipped with state-of-the-art communications systems including powerful video cameras, computers and monitors.

Vehicles were deployed in strategic locations where crowds gathered such as football stadiums, airports and central city locations.

## RADWIN 5000 Point-to-Multipoint Solution Wins

Rontan Telecom won the bid to deliver on the Mobile Command Center vehicles and selected RADWIN 5000 Point-to-Multipoint systems for the wireless transmission portion of the project after evaluating equipment from other vendors.

RADWIN deployment:

- » 60 x RADWIN 5000 base stations (250 Mbps) were installed in strategic locations around the cities hosting the games.
- » RADWIN 5000 subscriber units (50 Mbps) were mounted on retractable towers in each Mobile Command Center vehicle and used to transmit and receive live HD video, voice and data.

Using GPS technology and leveraging RADWIN 5000's nomadic operation mode, the vehicle subscriber units automatically connected to the nearest RADWIN 5000 base station to facilitate reliable, high-capacity broadband connectivity between the vehicles and fixed control centers.

## RADWIN 5000 Highlights

- » Nomadic mode – automatic connection to nearest base station.
- » Net throughput of up to 250 Mbps.
- » Real time video, voice and data transmission.
- » Highest definition video relay.
- » Dedicated bandwidth.
- » Fast and simple installation.

## About RADWIN

RADWIN is a leading provider of sub-6 GHz wireless Point-to-Point and Point-to-Multipoint solutions that deliver voice, video and data with unmatched high-capacity for long ranges. Deployed in over 150 countries, RADWIN's solutions power applications including backhaul, broadband access, private network connectivity, video surveillance transmission as well as wireless broadband in motion.

## Corporate Headquarters

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## Customer Benefits

RADWIN 5000 point-to-multipoint wireless broadband systems enabled:

- » Mobile command centers could be quickly and easily deployed in areas where large crowds gathered.
- » Monitoring, detection and enhanced security during the high-profile games.
- » Effective communications and coordination across all the mobile and fixed security agencies.
- » Enhanced decision making across mobile command and distributed main command centers.
- » Agents stationed in the mobile and fixed control centers could supervise crowds and respond to potentially critical situations such as public riots, crime and theft.



RADWIN 5000 PtMP installed on Mobile Command Center vehicle

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