



Creating Security Solutions.
With Care.

CASE STUDY

Cellular Provider in Brazil uses

ProSYS and WatchOUT to Protect Remote Antenna Sites

A leading Cellular Provider in Brazil required a reliable security solution to protect its numerous antenna sites around the country. With over 8000 antenna sites spread around the country, the company is one of the largest cellular providers in Brazil. Remote control over the systems installed on-site from a Central Control Room was also required.

The Challenge

Remote antenna sites in Brazil are usually located in isolated areas and many of them in harsh outdoor environments. The company's antenna sites are open, have no fence and contain expensive equipment. A security system with reliable outdoor detection that can handle unstable weather conditions with frequent flooding, growing wild vegetation, heavy rain and strong winds.

As the antenna sites do not have PSTN infrastructure, a solution employing IP or GSM/GPRS communication was required for reporting and remote control.

The Cellular Provider's Security Manager emphasized the importance of protecting the sites from burglars and vandals while being immune to false alarms that may be caused by the open structure of the sites.





The Solution

RISCO Group's ProSYS Integrated Security Systems with ACM Advanced IP Communication Module and WatchOUT Outdoor Detectors were chosen by the Cellular Provider as a solution that met all requirements.

The project's integrator, Promont, developed a device that uses the E1 channel of the GSM network to create a "hot point" connection for IP communication.

WatchOUT Detectors are installed on the sites structures and on the antennas themselves inside a protective metal shield. The detectors protect the sites while preventing false alarms caused by heavy rains, floods, growing vegetation and winds.

The Highlights

- Currently hundreds of antenna sites are protected with RISCO Group's Security Solution
- Programming and remote control of the ProSYS is performed via IP using the ACM and the special hot point enabling IP communication
- WatchOUT outdoor detectors provide reliable outdoor detection in the extreme outdoor environment while eliminating false alarms. The detectors are installed on the antennas and on site structures within metal protective shields for sabotage protection.

Customer's Point of View

The Cellular Provider's Security Director commented on the solution: "It seems unbelievable, RISCO Group's security systems at the antenna sites have been operating for over a year with no problems! Even the extreme weather conditions with frequent water overflow, heavy rains, winds and swaying vegetation have not caused false alarms!"

About RISCO Group

RISCO Group, a recognized leader in security technology, has been creating integrated security solutions for global markets for 30 years. With a focus on customer needs, product reliability and an innovative R&D team, RISCO Group provides a wide range of advanced solutions: integrated security and building management software, central station solutions, IP-based high performance intrusion control systems and sophisticated detector technology. RISCO Group solutions can be found in commercial, industrial, institutional and residential installation in over 60 countries worldwide. The company's proven technological capabilities, its commitment to creativity, the unfailing dependability of its solutions, and focus on customer care have won it the loyalty and appreciation of security professionals the world over.



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