

POWERFUL. VERSATILE. RELIABLE.



CUSTOMER SUCCESS STORIES

Cities and states across Mexico are dramatically improving public safety and security with Redline's innovative broadband wireless communications.

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communications

City of Cancun



The beautiful City of Cancún was developed with tourism in mind. Drawing over five million tourists a year, visitor safety and well-being is a top priority for local government.

To further improve public safety, the City decided to install a wireless video surveillance system. The challenge was to select equipment that would not detract from visitor's views of Cancún's natural beauty.

Redline's discreet AN-80i and RDL-3000 radio platforms were chosen for the project because of their excellent non-line-of-sight technology which enabled the City to install short (3 meter) masts and use small antennas. Shorter masts and smaller antennas are unobtrusive and kept installation costs low.

As a result of the Redline's video surveillance solution, the City of Cancún deployed a system that blended in well with the landscape and achieved optimal coverage for cameras installed across the city. Public safety improved dramatically for Cancún's citizens and the many tourists who enjoy the sights Cancún has to offer.



City of Santiago de Querétaro



The historic City of Santiago de Querétaro was founded in 1531. With a large population and growing tourism, the government decided to improve security and traffic flow by installing a wireless video surveillance system.

The challenge was to select wireless equipment that performed well in urban areas despite challenges due to topography, buildings and foliage. The radios also needed to be simple to install virtually anywhere in order to adhere to laws that prohibit attaching equipment to the exterior of historic buildings.

Redline's versatile AN-80i radio platform operating in the 4.9 GHz public safety band was selected to connect cameras situated throughout the city. Redline's non-line-of-sight technology easily handles the urban environment and the compact design allowed the radios to be installed on existing utility poles, which mitigated issues related to the laws governing historic buildings.

Today, officials have a constant live view of street activity and the City is enjoying enhanced public safety.



City of Morelia, State of Michoacán



The City of Morelia is the capital of the State of Michoacán and is located in the north central part of the State in central Mexico. Built in the 16th century the City is a UNESCO World Heritage Site for its well-preserved historic buildings.

To protect both the historical monuments and the residents and tourists, City officials decided to build a wireless video surveillance network.

Redline's powerful AN-80i radio platform was chosen for the project because of its proven capacity and reliability for wireless video surveillance. Cameras were successfully installed and wirelessly connected throughout the city for the first phase of the project.

The State of Michoacán also installed Redline's RDL-5000 radio platform in the 7 GHz band throughout several municipalities to enable high-speed backhaul. With this network, the authorities are empowered to perform special operations in case of contingencies.

Both City and State officials are pleased to be able to safeguard their people and places with Redline's system for wireless video surveillance and backhaul.



Customer Success Story

City of San Pedro Garza Garcia



The contemporary City of San Pedro Garza Garcia is one of the most affluent cities in Mexico.

City officials are committed to keeping the City safe and work closely with highly trained police to do so. To further enhance public safety, they wanted to install a wireless video surveillance network that would provide both the capacity and flexibility to grow over time.

Redline's versatile AN-80i radio platform was chosen for the project because it gives the City the performance and capacity needed for advanced applications such as plate recognition and analytics to enable deep research into crime. The option of adding additional radios or enhancing the performance of existing radios through software upgrades gives the City the flexibility needed to easily grow their network.

To date, cameras have been successfully wirelessly connected and the City plans to install many more cameras over the next three years. Crime levels have decreased to almost zero with the help of Redline's network giving their police eyes on the street.



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State of Chiapas



The tropical State of Chiapas is a humid place with a dynamic landscape. With the population nearing five million people, the government decided to improve public safety by installing wireless video surveillance systems in several municipalities.

The challenge was to find a wireless solution that could reliably operate in relentless humid, rainy conditions and over mountainous terrain.

Redline's rugged AN-80i radio platform operating in 4.9 GHz public safety band was chosen for the network. The AN-80i is IP-67 certified, which means water will not penetrate the radio in humid or rainy weather. Redline's advanced OFDM technology is also able deliver high throughput even over mountainous terrain and expansive plains.

The real proof is in the field. Redline was the first and only wireless vendor with equipment that operated for more than one season in the wet Chiapas environment — in fact, the initial installation has been operating reliably for over three years.



State of Guanajuato



The busy State of Guanajuato, located in central Mexico, has a high level of traffic of people and vehicles.

The State wanted to improve communications and public safety throughout its many municipalities by installing a wireless video surveillance network.

Redline's powerful AN-80i radio platform was chosen for the project. Redline allowed a large number of high resolution cameras to be deployed on one network with its ability to optimized bandwidth usage.

Critical images are transmitted reliably and Redline is now wirelessly connecting high resolution video cameras in one of the largest public safety networks in Mexico, which includes coverage for the following 12 municipalities: Moroleón, San Francisco del Rincón, Manuel Doblado, Yuriria, Salvatierra, Jerécuaro, Huanímaro, San Felipe, León, Ocampo, Apaseo el Alto, Jaral del Progreso.

The State is seeing improved public safety and plans to increase the size of the network in the future.



ABOUT REDLINE COMMUNICATIONS

Redline Communications (www.rdlcom.com) is the creator of powerful wide-area wireless networks for the world's most challenging applications and locations. Used by oil and gas companies, militaries, municipalities and telecom service providers, Redline's powerful and versatile networks securely and reliably deliver M2M, voice, data and video communications.

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