

City of Chimbote SUCCESS STORY

Vigilant™ Surveillance Suite Creates a Safer City

Peruvian City utilizes Vigilant Surveillance Suite to improve law enforcement

Chimbote is the largest city in the Ancash Region of Peru, and is also the capital of the Chimbote District in the Santa Province. Located on the coast, Chimbote is the oldest and largest fishing port in Peru with more than 30 fish factories housing some of the world's finest fish-packing equipment. Chimbote is also the shipping center for sugarcane, cotton, and rice from the Santa valley. The city was largely destroyed by an earthquake in 1970, and was reconstructed as a model city in the 1970s.



Photo courtesy of Sensormatic del Peru S.A.

The Challenge

In an effort to make the lives of its 450,000 residents more secure, improve law enforcement and reduce the crime rate, the city has implemented a video surveillance system to cover the main shopping areas, industrial areas, and neighborhoods where there had been an increasing incidence of criminal acts. The Chimbote authorities performed rigorous evaluation process for high-quality video over wireless network infrastructure and reliability, Vigilant was chosen by Sensormatic del Perú S.A, a Lima based integrator that managed the entire project including Alvarion and Axis as strategic partners. According to Omar Levano, General Manager of Sensormatic, "We chose Vigilant's management solution because of it has been specifically designed to support control center operations and greatly simplifies the tasks required in a control room environment."

The Vigilant Solution

The network design was based on the integration of IP devices capable of transmitting over a wireless infrastructure. The system is comprised of Axis 233D IP PTZ cameras located in key locations which provide 24/7 monitoring. The transmission system is based on an Alvarion BreezeACCESS WiMAX wireless broadband network which enables up to 6 Mbps transmission rate with low latency. The central control and monitoring system is in the City Hall and has decentralized management stations in four of the main police stations in the city, thereby achieving the integration of security efforts by staff of the municipality (Serenazgo) and the National Police of Peru. Each of these four police stations monitor a specific set of surveillance cameras network which are located within each of their districts using Alvarion BreezeNet connection to the central control room.



Photo courtesy of Sensormatic del Peru S.A.

The solution provided by Vigilant records all cameras at 30 images per second in 4CIF resolution on RAID 5 arrays. NetView video management system is being used by the security team in the Chimbote main control center, monitoring live and recorded video via virtual matrix and powerful alarm management. NetView Command provides an intuitive, touch screen Graphical User Interface (GUI) displaying the city map for efficient navigation through the cameras scattered around the city allowing security operators optimize decision making.

Each of the 4 main police stations is connected to the main control center via a point to point wireless network. NetView Lite, Vigilant's PC-based solution designed for security stations or small surveillance rooms, allows the police officers to view live video and the ability to investigate alarms and activity on a real-time basis.

Benefits

According to Chimbote's mayor, Victoria Espinoza Garcia, "Chimbote is the only municipality in Peru to use this type of surveillance technology. The system has improved communication between the police department and the security forces that patrol the streets of Chimbote." It has reduced the response time for emergency calls and provided highly reliable evidence which can be used for criminal prosecution. The robustness of the system supports fail-safe monitoring for mission critical operations.

Ensuring the safety of citizens is the ultimate responsibility of all municipalities. This city in Peru has become a model for others in implementing a surveillance system to help cut crime and improve the lives of its residents.

About Vigilant

Vigilant Technology, a BATM Company, is a global leading provider of intelligent IP surveillance and security solutions. The company offers a turn key solution including video servers, DVR/NVRs, intelligent real-time video content analysis and sophisticated, proactive control center solutions. Vigilant has a worldwide customer base and is globally supporting tens of thousands of cameras in airports, governmental sites, financial institutions, correctional facilities, casinos, city centers, and more. Visit www.VGLNT.com for more information.