

Toluca International Airport

As safe skies remain a worldwide focus, Fiber SenSys works with partners to find a robust, cost effective solution



To provide the best security response possible, it is important to detect an intrusion as soon as possible.

- Hans Klein, Fiber SenSys

Project Location

The Municipality of Toluca is the center of a rapidly growing urban area, now the fifth largest in Mexico. Toluca's location is 63 kilometers west of Mexico City and its total population of 819,561 residents is served by Toluca International Airport. In 2014, Toluca hosted the *North American Leaders' Summit* that drew many high level dignitaries' including U.S. President Obama. Toluca International Airport is under the management of AMAIT (Administradora Mexiquense del Aeropuerto Internacional de Toluca S.A.).

Problem

The end user (AMAIT) needed a high-security intrusion detection solution suitable for their large airport perimeter. The need was to protect against vandalism, unauthorized intrusion and theft. Aircraft parts were being stolen from the facility and they were experiencing theft of materials from freight forwarders inside the perimeter. As the primary alternate airport to the Mexico City Airport, Toluca also shares international concerns about protection against terrorism and smuggling of controlled substances. "To provide the best security response possible, airport security personnel needed to detect an intrusion as soon as possible after it occurred", said Hans Klein, Fiber SenSys' Latin America Sales Director.

Solution

In order to meet this challenge, AMAIT contacted systems integrator INTAGG to help specify the best equipment available, and it was asked to provide installation and maintenance services. After evaluating other systems, INTAGG decided on the Fiber SenSys **FD508™** Alarm Processor Unit (APU), as it provided an eight-zone, high security solution that met the performance requirements of the end user. "Fiber SenSys was selected above other technologies including copper-based fence sensors. The **FD508** also eliminated the need for electronics in the field and reduced the security infrastructure needed. This reduced the cost of the installation and greatly increased the reliability of the system", said Rene Cuenca, Optex Regional Manager for Mexico. "This is a harsh environment with an abundance of lightning and EMI/RFI interference, and the **FD508** fiber-optic intrusion detection sensor is ideally suited for this site", Mr. Cuenca added.



Lightning and EMI/RFI interference create a challenging environment for non-fiber optic outdoor sensor technologies.

- Rene Cuenca, Optex



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