

Municipality of Atizapán de Zaragoza



BOSCH

Invented for life

Industry:

Public Order and Safety

End User:

Municipality of Atizapán de Zaragoza

Atizapán de Zaragoza is one of the 125 municipalities that make up the State of Mexico. Located in the center of the country, Atizapán de Zaragoza forms part of the metropolitan area of Mexico City. The municipality has an area of 36.61 sq. miles (94.83 sq. km), which represents 0.4% of the State of Mexico, and has a population of 472,526. It is located in a sub-province characterized by lakes and volcanoes called Anáhuac, and its main elevations are Biznaga Hill, Atlaco Hill, La Condesa Hill and Grande Hill.



Business Objective:

The city council in Atizapán was faced with enormous difficulties due to the lack of human resources available for the surveillance activities it conducts on main streets, in problem areas and in shopping center parking lots, among other places. To compound the situation, the geography of the municipality made urban surveillance even harder, since a portion of the population lives in the hills. This made access to any security situations a complicated affair for the emergency services.

Solution:

To tackle the surveillance problem, the installation needed to be adapted in order to set up a surveillance control center, which would receive video signals from more than 30 Bosch MIC1-400 PTZ dome cameras deployed across the city. The cameras were positioned in strategic points and in high crime areas. Most of the cameras were mounted vertically on 18 m-high posts, facing forward at a 45-degree angle so they can even view right below the camera. The video signal picked up from the cameras is then transmitted wirelessly to the control center.

In order to meet the requirement for urban surveillance in elevated hill and mountain areas, where access is limited and there is constant congestion on the roads, two Bosch GVS1000 long-range day/night PTZ systems were installed. The equipment also had to be installed in elevated positions in order to provide a direct line of vision toward the areas under surveillance. One of the systems was installed in a tower more than 98 ft (30 m) tall and the other on a water storage tank.

Result:

The cameras' discreet elevated position means that they go unnoticed and allows the surveillance team to conduct its public surveillance activities in order to prevent and solve crimes. The council now has concrete video evidence that allows it to identify individuals involved in criminal activities. The Bosch MIC1-400 has exceeded all expectations by providing outstanding definition and zoom capacity, and one of its main advantages is its flat viewing window, which provides undistorted images, even when zoomed in. The cameras also come equipped with a small integrated wiper to ensure the viewer is free from impurities, even in rainy or dusty conditions.

Thanks to the GVS1000, the council now has clear images of remote areas at distances of up to 3.7 miles (6 km) during the day and up to 0.7 miles (1.2 km) in total darkness at night. The installation of the Bosch surveillance system has facilitated crime prevention and has significantly aided rapid response to emergency situations that require the presence of mobile response units such as patrol cars or ambulances on the scene.

Installed by:

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