

Public Monitoring in Chacabuco



BOSCH

Invented for life

Industry:

Public Order and Safety

End User:

District of Chacabuco, Buenos Aires

Chacabuco is a district located in Buenos Aires. Under the name of "National Guard", it was established in 1865 by regional law. Even though its economy is primarily based on agriculture, it also has important industries like flour mill and seedbed as well as chemical, refrigerating and metallurgical industries.

Business Objective:

The municipality of Chacabuco was looking for a system to improve the security and control of the city in order to reduce crime, which has risen within the last few years. For this reason, the district decided to install Bosch's monitoring platform, which was designed to obtain images for an integrated and real time surveillance solution. The decision of choosing Bosch products was based on the recommendation given from other municipalities in Buenos Aires that have already successfully developed similar projects.

In addition, the international experience required for this kind of installation was considered mandatory as the system must operate outdoors without flaws for long periods of time.

Solution:

As Chacabuco is planning future expansions, the system was created with an excellent cost-benefit relation.

The installation included an iSCSI digital video storage system with a capacity of 2 TB. Hence, videos can be sent directly to the disk so that the need for an operating system or recording servers was eliminated. The recordings are also duplicated redundantly in different sites to ensure safeguarding of the data.

15 AutoDome mobile cameras again (including e.g. 36x zoom and the image stabilizer), the perfect solution for day and night operations, were used thanks to its image capture elements being able to work during night at low light conditions.

In addition, VIDOS software was set up for powerful alarm and surveillance management software, which allows the security professionals to execute sophisticated tasks. Due to VIDOS' intuitive graphic concept it becomes even easier to set up different screens which can be customized by its users as well. Moreover, 30 DinionXF Day/Night IP and extremely compact Dinion IP cameras were believed to be necessary for this project. These cameras, improved with IP technology, offer a remarkable and reliable image quality.

"Técnica Seguridad", a Bosch Certified Integrator, was responsible for the global system configuration and the initial set up

The Sintel company by contrast was in charge of the 5.8 GHz. radio links as well as all aspects related to the complete project development.



The camera getting into position

Result:

The city is nowadays equipped with one of the most advanced systems in the region so that police can better control and prevent crimes.

In these days, the implementation of some new functions like assistance with system management through multiple tools with automatic operation, such as automatic tracking, alarm generation by speed and circulation direction and limits and/or virtual barriers, is planned as well.

As a consequence, Chacabuco's initiative is a pioneer in security technology and has been followed very quickly by the surrounding areas. Through live evaluation, which is also counteracting and impeding crimes or risks against the inhabitants or significant properties, savings were produced.

The total inversion, for which the municipality of Chacabuco has taken the whole responsibility, was 50.000 dollars. The project began in November 2008 and is working efficiently since December of the same year.

Installed by:

Técnica Seguridad. - BOSCH Platinum Partner

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