

## Industry:

City Surveillance

## End User:

Cusco is the capital of Cusco's Department. Founded by the Spanish in 1534 and over 3399 meters above the sea level, it is located on the Southeast of Peru, on the oriental part of the Andes, on the Huanatay River's basin, Vilcanota's affluent. In 1983, the UNESCO declared Cusco as Human Heritage and, nowadays, it receives approximately a million tourists.

## Business Objective:

With the objective of reducing criminal acts in the historical centre of Cusco's city and providing greater protection and security to inhabitants and city's tourists, Cusco's Provincial Municipality decided to improve its surveillance video system. It counted with 10 analogic cameras, 4 of which were functioning. Plus, the city council wanted a bigger control of the street commerce, as of the vehicular traffic.

## Solution:

The works were carried out in accordance with the Citizen Security headquarters to identify the most vulnerable points of the historical centre and surroundings. In addition, the best location for the communications towers for radial links was looked for, which send images to de monitoring centre, in an unwired way.

Meanwhile, for a better assistance of Cusco's Provincial Municipality' City Security Division, 21 new spots of remote monitoring were added to the surveillance video system, each one equipped with Autodome cameras (PTZ) 36x which are configured to record in iSCSI disc arrangements maintaining the register for 30 days. The storage technology of iSCSI's video poses a great storage capacity and a centralized capacity for surveillance Systems through IP, eliminating the necessity of an outside NVR Server (Network Video Recorder), reducing the total costs.

The video management is performed through an intuitive system for the operator known as VIDOS, which has a sophisticated searching and reproduction system with exportation tools to DVD.

On the other hand, VIDOS is controlled by a keyboard controller with a Joystick which allows the usage of maps, PTZ control and the reproduction of the recorded video, among other things.



## Results:

After the instalment of said system, criminal acts and acts of vandalism in the city's historical centre were considerably reduced. This way, security is provided to the citizens and buildings and historic monuments are protected, as well as the financial entity's entry.

The project was carried out within over a month and with an investment of approximately USD 427,000.

At the same time, the technology used allows, in a future, the expansion of the system with minimum investments.

## Installed by:

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