

## Cameras help prevent problems in Peruíbe public schools.

Secretary of Education of Peruíbe has invested in the acquisition of 62 Axis network cameras to monitor the public schools in the city.



Organization:  
Peruíbe Local Council

Location:  
Peruíbe, Brazil

Industry segment:  
Education

Application:  
Safety and security,  
remote monitoring

Axis partners:  
ITS Brasil, ISS  
Technology, CNT Brasil

### Mission

In various Brazilian states, including Mato Grosso and Rio de Janeiro, the compulsory use of monitoring technologies in public schools has been proposed in a Bill. With this scenario in mind, and anticipating any kind of legal measures, the local council of Peruíbe, a coastal city in the State of São Paulo, through its Secretary of Education, decided to invest in video monitoring solutions with a single objective in mind: to prevent possible illegal acts on its premises.

Bearing in mind that not all the public schools of the city have a caretaker, the Secretary of Education decided to install the monitoring service as a way of preventing vandalism and theft.

### Solution

To carry out this initiative, and guarantee total surveillance of all that happens in the environment of the public schools, particularly in areas with more expensive equipment, like IT laboratories, the Secretary of Education of Peruíbe acquired 75 network cameras to monitor the public schools in the city.

The purchase was made through a competitive tender process, which was won by ITS Brasil, an Axis partner, which installed AXIS 207 Network Cameras. The remote monitoring system, with cameras and motion sensors, was installed in 34 municipal schools, as well as the Secretary of Education building itself. The implementation began in October 2009 and is now completed and fully functional. In total, an average of two AXIS 207 Network Cameras were used in each site monitored.

### Result

The main objective of the project was to decrease the number of occurrences in the sites monitored, a goal that was achieved beyond expectations, with these actions being reduced to practically zero. The Secretary of Education of the Peruíbe Local Council, Elisa Garcia, reveals that the results achieved through the new monitoring service were very positive, deterring and in many cases, preventing many cases of robbery, vandalism or inappropriate behavior within the school premises.

"The model of Axis camera acquired met the needs of the monitoring systems implemented, even going beyond our expectations, and enabling the monitoring center to become much more efficient. The results were much better than we expected."

Elisa García, Secretary of Education of the Peruibe local council.

### Education sector – a major investor

Technological advances have led to a proliferation of electronic monitoring products, leading to increasing interest in these resources for resolving security problems and giving greater control over the physical assets and safety of individuals. And the education sector, particularly public schools, in response to this demand, has become a major investor in the purchase of these video-monitoring solutions, seeking to protect their facilities, students, and the school community as a whole. Some public schools are frequent targets of acts of vandalism, robbery and theft of equipment, as well as acts of violence, and are looking to video monitoring solutions as a way of preventing such actions.

### Efficiency

With remote monitoring in place, the Guarda Municipal (Municipal Police) is able to identify more effectively possible acts of robbery and vandalism, and can get to the scene more quickly, when such occurrences happen. Also, the presence of a monitoring system with remotely activated alarm is, in itself, an effective deterrent for violators. According to Marcelo Reis, project manager of ITS Brasil, the main challenge was to reconcile affordability with the ability to transmit quality images over long distances. This challenge was made more difficult by the fact that some of the sites monitored are more than 12 kilometers from the monitoring center.

Today, the images are recorded using Securos software, from ISS, and are stored in the servers for 30 days. These images are transmitted to the monitoring center by means of radio links. The schools are monitored 24 hours a day, including weekends, and if any occurrence is detected, an alarm goes off at the monitoring sector of ITS Brasil and the Municipal Police go out to investigate the incident.

### Practicality

Reis emphasizes that the radio links also provide high quality transmission at low cost, another factor that resulted in the conception of a project that would meet the needs of the Secretary of Education of Peruibe. "The Axis IP cameras have excellent digital image quality, with better performance than analog cameras," she said. Another important aspect of the video monitoring system installed in the Peruibe public schools is the fact that the images are recorded on a central server, which means they can be easily accessed at any time.

The first phase of the project involved the installation of the whole infrastructure for the transmission of images and reception in the Monitoring Center, created exclusively to manage and receive images captured by the Axis network cameras. The infrastructure was then installed in the schools, with subsequent installation of cameras and sensors. The first images were received by the monitoring center in February 2010. Monitoring in the last school to receive the radio transmission started operating at the end of March 2010. Finally, in the summer of 2010, two schools were added to the system which, due to the impossibility of receiving radio links, are being monitored via the Internet.

