

# Rosario's Port – Santa Fe



**BOSCH**  
Invented for life

## Industry:

Ports - Transportation

## End User:

Rosario's Port occupies a privileged geographic position in the multimodal system of transportation that Argentina and the South American countries implemented. It is located in the middle of the so-called Bioceanic Corridor which connects the city of Rosario with the Pacific Ocean via Córdoba and Cuyo until Valparaíso (Chile).

## Business Objective:

Terminal Puerto de Rosario (TPR), the port's operator who was leading the process of upgrading Argentinean ports, launched a project that included the installation of a new monitoring system based on the Bosch technology VIDOS. This equipment allows full management and control over the complete surface assigned in real time through a wireless network based on e-Tera® OFDM of high speed technology, and with extensive management and storage of the obtained information. This way, TPR became the first Argentinean port that owns this type of technology, qualifying for the strictest international requirements of management and security procedures. For this project, TRP prioritized the participation of leading security companies as BOSCH, demanding the maximum integration and reliability levels required for this strategic project. The monitoring system of CCTV/IP was designed and implemented by Equal Group SRL, a Bosch's certified technology integrator.

## Solution:

The installed system consists of a mixed wireless, optic fiber communication network by which the images captured by the cameras can be transmitted and distributed to all locations at the terminal.

The data transmission network has a bandwidth capacity of 300Mbps.

The system is composed of 45 Bosch Dinion IP cameras, day and night of high definition; 20 PTZ Bosch AutoDome cameras with 26x zoom and day and night of the fourth generation; 32 national radio equipments in multipoint configuration e-Tera® Series 5000 NEO-Tera and a OFDM-5.2Ghz/5.8GHz modulation that allows complete administration over the data flux obtained by the Auto Dome cameras with an efficient, safe and scalable technique. These equipments can be efficiently adapted to the Bosch cameras, creating an integrated solution with easy installation and setup and with a very low total cost. Six monitoring stations were installed to provide priority service levels, interaction between the users groups, a network IP connection and different types of alarms according to the user's needs.



The central monitoring station was designed by specialists, with the idea of creating a comfortable modern space. Later, they installed servers and computers with high capacity for video DVI HDMI connections for 6 monitors of 20" and 42" that guarantee unique image definition levels and geographical control with maps and managing.

With this system a solution for recording images in a centralized manner providing a high available level of 6TB / RAID5 based on the NVR Bosch platform was found.

## Results:

At present, in the Rosario's Port Terminal, live images can be seen, prioritizing the permanent control of the charges and means of transport in a continuous way. Also, this solution allows control over past events and movements as it is possible to initiate a quick revision of punctual facts which had been appropriately registered.

## Installed by:

**Equal Group SRL**  
Av. Córdoba 836 P11  
(C1054AUU)  
Buenos Aires - Argentina

**New Tech Security**  
Macacha Guemes 150  
Puerto Madero  
Buenos Aires-Argentina  
5411 4893-7700

**Operador Integral de Bosch:**  
*Secon Security Concept S.A*  
Chacabuco 314. Piso 2.  
Oficina 43  
Buenos Aires-Argentina  
5411 4331 4751 / 4770

**Supervision Terminal Puerto Rosario**  
Newdev S.R.L  
*Tecnología en Informática*  
Rioja 1151, Piso 10, Of 4  
Rosario - CP 2000 - Santa Fe  
Tel . (0341) 4259808

**Bosch Sistemas de Seguridad**  
Av. Córdoba 5160  
Buenos Aires, Argentina  
541147785252  
[www.boschsecurity.com.ar](http://www.boschsecurity.com.ar)