



Project Information

Industry: Government, transportation

Project type: Control Room

Customer: District Department of Municipal Mobility of the city of Neiva

Partner: Infives Group LLC

Year: 2015

Location: Neiva, Huila, Colombia

Video wall size: 4 x 4

Polywall version: Polywall PRO 2.0

Hardware brand: Matrox - NEC - Advantech

Display brand, size: 46"

Number of operators: 4

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HEAD TRANSFEDERAL



This system performs real-time monitoring for all traffic in Neiva. {...} At traffic lights are installed cameras that monitor the passenger flow, more accurate, they control the cars, send information to the server and depending on the number of cars in each direction is adjusted the time of work of each traffic light.



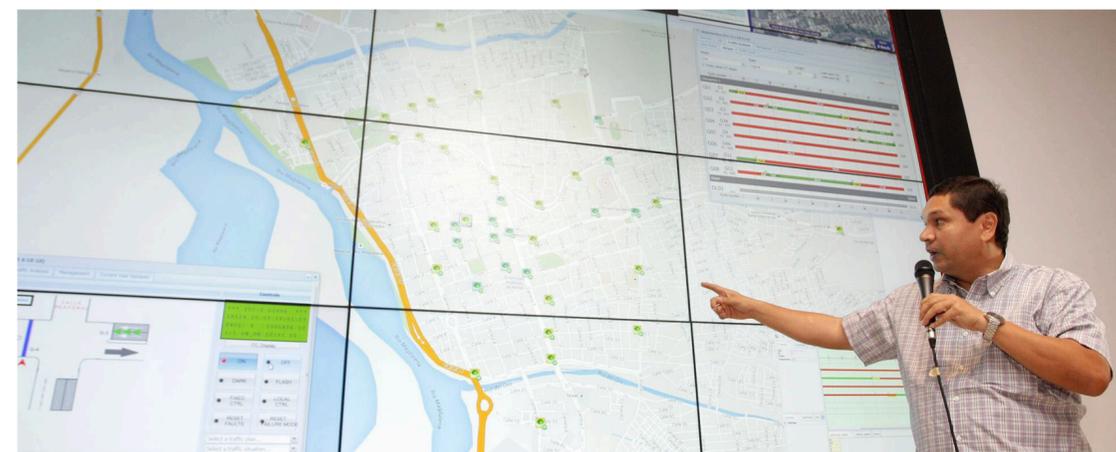
Traffic Control Center for Neiva public administration, Colombia

Neiva is the Capital of the Department of Huila in southern central Colombia with a population of about 378,857 inhabitants. It is one of the most important cities in the country, mainly because of its strategic geographical location. The city is a major transportation hub, linking Central and East Cordilleras and the largest city of the region.

The intense traffic situation has forced the administration to take immediate steps to settle the situation. The creation of traffic control center « Central Semafórica de Colombia » became one of these measures. Control system amounted 5,100 million pesos, ensures reel-time traffic monitoring all around the city. It monitors all city traffic lights network, including 80 intersections. Traffic lights are equipped with cameras, allowing the control center to collect and record data about all passing cars.

Requirements

To assure better visualization of the actual traffic situation and information from the security cameras traffic center was equipped with a video wall. The client needed reliable software, capable to conduct video streaming from multiple sources including IP-cameras and webpages. Compatibility with Omnia software that powers traffic light controllers was also one of the mandatory requirements.



Solution

Traffic center « Central Semafórica de Colombia » was equipped with one large 4x4 video wall, composed of 46" video cubes. Video wall control was ensured by Polywall 2.0 software. The software provides full support for all daily center operators' activities through the user-friendly interface. It allows connecting easily new sources to the video wall and streaming the video from web and IP-cameras. Drag and drop feature permit to display fast on the video wall the most important information, video or broadcast.

Results

The traffic center successfully ensures everyday supervision of the traffic situation in Neiva. The use of Polywall software made it possible to facilitate and accelerate the work, thanks to its interactive features. Its smooth functioning assures a reliable support in day to day operation as well as in emergency situations.

