

CCR ViaOeste, São Paulo, Brazil

Barco video wall improves safety of Brazilian highways



“The video wall acts as the eyes of the operators. It allows them to detect problems fast and take preventive action, thus adding to the safety of all drivers.”

*Wanderlei Ramos Jorge
CCR ViaOeste, São Paulo, Brazil*

CCR ViaOeste administers a total of 168.62 km of roads west of São Paulo (Brazil). In order to enhance the fluidity and security to the users of these busy highways – with daily traffic exceeding 600,000 vehicles – the company set up a new operational control center.

The visualization solution for this control center consists of a 7x2 Barco video wall. The 14 OV-708 rear-projection cubes that make up the wall deliver high-quality, real time images 24/7, thus allowing the operators to optimally monitor traffic. Additionally, Barco’s TransForm A controller and Apollo video wall management software allow fast switching between the different sources, making the solution the perfect tool to take agile decisions at any time.

BARCO

Visibly yours

Administering 168 km of the heavily frequented highways west of São Paulo, CCR ViaOeste helps to make traffic run as smoothly as possible for 600,000 vehicles daily. The company offers solutions, investments and services in the highways infrastructure, thus contributing to the socio-economic development of the region. In order to better serve highway users, CCR ViaOeste installed a large video wall that allows traffic to be constantly monitored. It provides control room operators with a complete overview of all necessary data – including the real-time video provided by roadside cameras and graphics –, so that they can quickly react whenever an incident occurs.

The new control center project was led by Engelog, a company of the CCR Group responsible for the management and maintenance of CCR ViaOeste's IT system. After a call for tenders, Engelog chose Barco to provide the visualization solution - the centerpiece of the control center. The overriding criteria in favor of Barco were its technically strong bid at a competitive price, the image quality of the projection modules and the flexibility of the total solution. Furthermore, as the concession-holder operates the highway system 24 hours a day, the video wall needed to guarantee reliable 24/7 usage. Barco products are developed specifically for use in such mission-critical environments. Thanks to the redundancy of the light source, the lamp is automatically replaced by another in case of failure so that 24/7 uptime is guaranteed.



Fast switching for real-time overview

CCR ViaOeste's control room now features a 7x2 rear-projection video wall with Barco OV-708 cubes. These 70" display modules with cutting-edge DLP technology bring brightness, contrast and large viewing angles tailored to the human eye, thus providing maximum readability. As the unique Sense⁶ technology continuously calibrates the wall, image uniformity is ensured at any time. Another feature particularly appreciated by CCR ViaOeste is Barco's Apollo wall management software. "This software is IP technology-enabled, which allows easier switching of the camera images, without losing image quality," Wanderlei Ramos, System Analyst of the Innovation and Technology department, explained.

The operators' eyes

Thanks to Barco's video wall solution CCR ViaOeste can now monitor, in real time, all images coming from the 63 simultaneous cameras installed on the highways under its administration. Wanderlei Ramos: "In fact, the solution acts as the operators' eyes. It is through the video wall that the control room operators make decisions and take preventive action. We can easily detect road problems in high-risk situations and immediately send assistance.

This considerably reduces the exposure time of the vehicle in traffic, limiting the risk of congestions and adding to the safety of all drivers."

Upgrade due to great success

"Unlike other products on the market, the Barco solution easily integrates with our existing system," Wanderlei Ramos continued. "Consequently, we needed no further integration investments. Adding this advantage to Barco's excellent technical support and high-quality images proves that we made the right decision when choosing Barco. In fact Barco was a project partner since the beginning of negotiations. They understood our business strategy and were flexible in the cost-benefit relation. The delivery, installation and after-sales went equally smoothly: everything went completely according to plan and our calls for technical support have always been handled properly."

Based on the success of the current implementation, an upgrade of the system is already programmed. CCR ViaOeste will expand the existing solution to a 7x3 video wall, which means the installation of seven additional OV-708 modules. For an even better overview and, hence, even higher levels of safety on the highway west of São Paulo.

M30225-R00-0810-AN

Barco is an ISO 9001 registered company.
The information and data given are typical for the equipment described.
However any individual item is subject to change without any notice.
© August 2010 by Barco

Barco nv
Pres. Kennedypark 35, B-8500 Kortrijk
Europe, Middle-East, Africa: +32 56 26 20 09
USA: +1 678 475 8000
Latin America: +55 11 38421656
Japan: +81 3 5762 8727
China: +86 400 88 22726
Or mail to sales.traffic@barco.com

BARCO

Visibly yours