CASE STUDY:

Motorway Control Room A89, France

With the commissioning of the section Balbigny – La Tour-de-Salvagny the 500 km cross connection Bordeaux – Lyon is now entirely navigable. Thereby the surveillance technology by eyevis plays an important role. More than 1.5 billion Euros were invested by the motorway operator Autoroutes du Sud de la France (ASF) – an enterprise of the VINCI-Group – for the implementation of this project that had been planned for 30 years. The last 53 km meant four years of construction on this particular section.

Of course security in the planning and realization of the project was not neglected. Thereby, especially tunnel constructions were in the focus. State-of-the-art technology in surveillance and traffic telematics was of particular importance for VINCI for this prestigious project. This is a main reason why VINCI already at an early point introduced eyevis' French subsidiary as a competent and reliable partner for the planning of the new highway section to the project.

In Tarare an entirely new operation building in which members of ASF and the traffic police are in charge of security for the highway, was constructed. The traffic control room installed in the building was completely designed and supported until the final opening by Michael Zerdoun of eyevis France. The planning alongside the large scale video technology included the furnishing and ergonomic organization of the control room, as well as the equipment of several crisis rooms and the entire IT structure of the control center.

Central element of the control room is a large scale video wall that consists of six LED rear projection cubes with each 60" screen diagonal and Full-HD resolution. The cubes are flanked by two 2×2 arrangements of 46" LCD screens. Different display technologies were chosen since the cubes are primarily intended to display static image contents of the traffic management systems which could lead to image retention effects for LCD screens. The LCDs on the right and left side of the cubes on the contrary show their advantages for the depiction of moving images from surveillance cameras along the highway.

The large scale video system is controlled by a netPIX controller system that is connected to all available sources and the eyeCON wall management software. In this way all sources can be displayed on the video wall inside the control room but also on the displays and projectors in the crisis rooms. For safety reasons the entire netPIX system exists twice in order to guarantee complete failure safety of the facility.

The integration of complex IT components and the inclusion of different customer provided systems into the overall structure was performed by Rémi Durand of the IT department of eyevis France in close cooperation with operators of the control room. Especially the functionality of the eyecon software was adjusted to the operators' needs in this process. Incoming alarms of different telematics systems such as accident detectors and traffic flow evaluations for instance are now coupled with according reactions of the large scale image system. In addition different predefined source arrangements can be displayed on the displays through configured hot keys.

INSTALLED PRODUCTS

- 6× EC-60-LHD-CP (Rearprojection Cubes with Full HD Resolution and LED Backlight)
- 11× EYE-LCD-4600-M-LE (LC-Display with Full HD Resolution and LED Backlight)
- 1× NPX-4808L-V8 (High end Graphics Controller)
- 3× NPX-4824-V72-D18 (High end Graphics Controller)
- 6× eyeCON V4 Premium Wallmangement Software

eyevis GmbH | Hundsschleestrasse 23 | 72766 Reutlingen/Germany
Tel.: +49 (0) 7121 43303-0 | Fax: +49 (0) 7121 4 3303-22
Web: www.eyevis.com | E-Mail: info@eyevis.de