

### CASE STUDY:

## Integrated Control Center Fire Department Bonn

Since April 2013 the fire department in Bonn with the new integrated control room with adjacent command center has a new center for emergency call reception and coordination of operations within the city area. The new construction arranged by WTG Leitstellentechnik GmbH due to most modern technology and extended capacities offers enhanced possibilities.

In this way emergency calls can be received and operations can be coordinated at up to eight workstations in the new control center operation room. In addition, 16 exceptional reception stations for large-scale emergencies can be accessed. Current day and operational information as well as overview maps are displayed on a video wall installation consisting of a 2x3 arrangement of rear projection cubes of type EC-67-LHD-CP by eyevis flanked by four eyevis LCDs of type EYE-LCD-4200-24NB on each side. For signal transmission a high-performance IP network was installed, which together with a netPIX graphic controller by eyevis offers flexible access to the over 200 surveillance cameras of the city tunnel in Bonn-Bad Godesberg.

The eyevis displays and rear projection cubes allow for reliable



around-the-clock visualization of all necessary data. The netPIX graphics controller together with the control software eyeCON moreover makes flexible scaling and distribution of all sources on the video wall and the displays possible. In this way all involved persons regardless of their location receive a

situation map at times. Through eyeCON the operation control staff is able to control the three further eyevis displays and two projectors inside the command center and feed them with contents from the control center operation room. Due to the integrated capture, contents of workstation computers can be directly transmitted to video walls and displays. For large-scale facilities information from the command center can additionally be integrated into the situation map. Therefore, the laptops of the single staff members are equipped with an eyeCON-Client and deposited as sources in the system. In this way contents of the laptops can directly be transmitted to projectors and single displays inside the command center.

### Extended Possibilities for the Control Center

The modern technological equipment of the new control center extends the possibilities of operation control as well as the cooperation with connected facilities of the city and the adjoining Rhein-Sieg area. The staff of the control center is in charge of tunnel surveillance and traffic routing of the city tunnel in Bonn Bad Godesberg during the night hours and on weekends. Thanks to the new radio and emergency call reception technology and the new operation control system, a closer cooperation with the control center of the Rhein-Sieg area is possible. Each of the two control centers serves as a replacement for the other in case of failure and is able to plan operational resources for the other.

### INSTALLED PRODUCTS

- 6x EC-67-LHD-CP (Rearprojection cubes with full HD resolution and LED backlight)
- 11x EYE-LCD-4200-24NB (LC display with full HD resolution and LED backlight)
- 1x NPX-4828R-D14-IP32-G1.0 (High end graphics controller)
- 1x ECS-800R-G2.0 (High-end database server)
- 2x eStreamer eS100 (Streaming encoder/decoder)
- 1x eyeCON V4 Basic wallmanagement software