



THE POLICE HQ OPERATIONS CENTER IN PRAGUE

Case Study

Lightware Visual Engineering



The Police HQ Operations Center in Prague

Market

Government

Country

Czech Republic

Lightware Equipment Used in Project

1x Lightware modular matrix switcher FR-MX33

30x Lightware HDBaseT TPS series extenders

The operations center of the Police Presidium has undergone great changes this year: extensive reconstruction, including moving and modernizing the IT and AV technology. The newly opened premises in the Police Presidium building in Holešovice are for operational commissioned officers based in Olšanské Street.

“The whole of the Police of the Czech Republic participated in the area-wide project, which has led to integrating and unifying all operations centers, through greater or lesser reconstructions for almost all the regional operations centers. The reconstruction of the operations center of the Police Presidium was the final major change, with the aim of the overall modernization of IT and AV technology,” said Colonel František Habada, the head of the Operations Centre of the Police Presidium of the Czech Republic.

Operations Centre

In order for the work of the operations officers to be most effective, they need to have current visual information available at all times, with movements of patrols on the ground which can be remotely controlled during an emergency.

Therefore, there is a large imaging display wall made of seamless NEC LED panels. The display wall shares eight independent image sources taken from fixed or mobile traffic camera systems at intersections, highways or directly from a rescue helicopter, the current TV news on ČT 24 or GIS map sources. Picture data can be individually controlled as needed on the CUE touch panel, which includes custom-designed imaging management.

“We concentrate on information concerning the security situation in the Czech Republic and provide all of the information flows of the police and the Ministry of the Interior. An integral part of this cooperation is with representative

offices, permanent services of ministries, the customs administration, the prison service, the Director-General of the Fire Rescue Service of the Czech Republic, the Military of the Czech Republic and other institutions,” explained Colonel František Habada, the head of the Operations Centre of the Police Presidium of the Czech Republic.





The Large Crisis Room

The large crisis room is designed for meetings of the crisis and management staff, whose orders are transmitted live to regional headquarters, as well as other members of the integrated rescue system. A large NEC studio display and an interactive display is in the room, with up to 8 different input signals from the operations center. The SMART interactive display is used for the active involvement of all operational officers, for example when presenting in Word, Excel, PowerPoint, when viewing pages from Internet Explorer, PDF documents or specialized GIS mapping sources. Supporting documents can be presented to complement visual information in the form of minutes, diagrams, or simple hand-drawn tactics. All team members have an excellent view of the information displayed thanks to the circular layout of the room. Two rotary video-conferencing CISCO SX80 cameras and Televic audio-conferencing units are used for remote communication. Verbal discussion begins after logging in on a Televic Confidea L unit and scanning one of the two rotating videoconferencing cameras, monitoring even remote participants via video-conferencing on wide-screen displays. The CUE control system with a 12" touch display serves to simply and intuitively control all of the AV technology, on which you can press preset preferences for work scenarios, for example morning documentation, presentations from a PC or video conferencing. The levels of the lighting, air-conditioning temperature or presentations and other individual requirements during the meeting can be set manually on the panel. Two 7" touch CUE panels are placed outside the large and small crises rooms for booking the rooms using MS Exchange. It is possible to view the timetables for individual reservations on the panels, or complete or extend the current reservation.





Small Crises Room

The small crises room has the same large NEC studio display and interactive display as the large crises room does. At the head of the table is a podium used for interactive presentations by the chairperson. Four different input signals can be displayed, while simultaneously mirroring ongoing scenarios on the other side. There are Televic audio conferencing units in the middle of the table. With the press of a button officers can log in and speak while simultaneously displaying the rotating CISCO SX80 video-conferencing camera. There is a touch panel for managing 3 ongoing scenarios in the small crises room, as in the larger one.

“The main aim of this modernization of AV technology is to balance the national information system of the Integrated rescue system and achieve greater efficiency of operational management. New AV technology helps the police serve in everyday situations, as well as on emergency crisis events. Rescue workers, firemen and other components of the integrated system in the Czech Republic have similar AV technology. Thanks to this unification our cooperation, this all is now significantly faster and more efficient,” concluded Colonel František Habada at the end of the interview.