

June 2, 2014

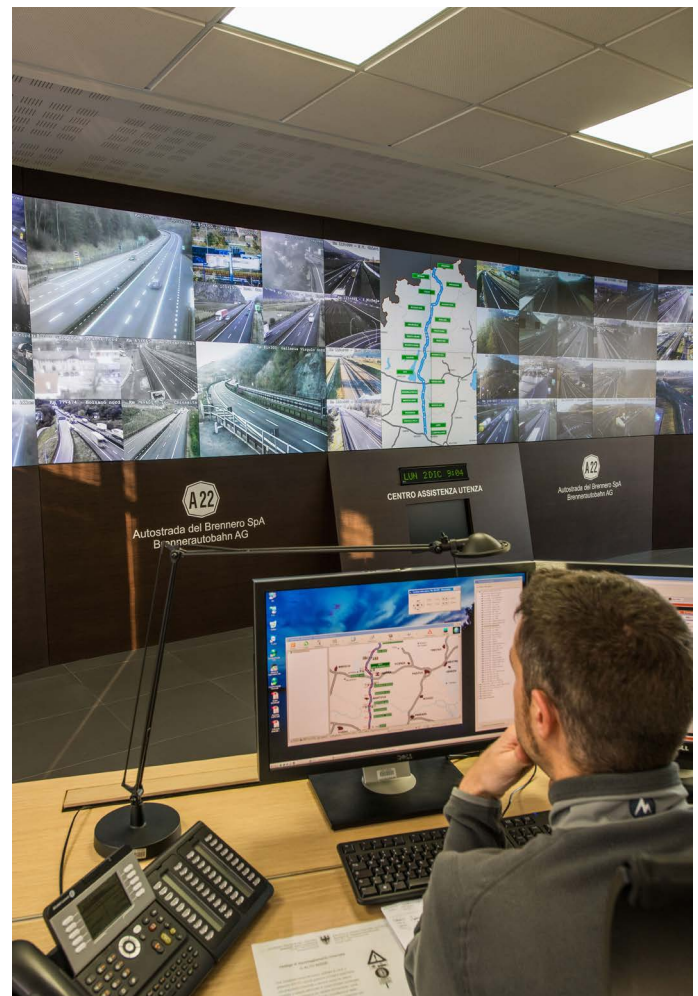
Autobrennero User Assistance Centre Upgraded Cleverly designed display system brings new lease of life to existing traffic management system.

3P Technologies innovative re-fit of the Autobrennero User Assistance Centre (Centro Assistenza Utente or CAU) in northern Italy used a cleverly designed system architecture to allow the upgraded modern display wall system to operate with the existing traffic management software platform and analogue camera system. The centre controls one of Italy's key highways, linking the country with Austria and Germany.

Jointly engineered by 3P Technologies and Mitsubishi Electric, the new control room system replaces 50 19" LCD panels with 20 of Mitsubishi's latest 50PE75 LED-lit DLP cubes, driven by a Bilfinger-Mauell controller. The custom-engineered platform allows the CAU to continue to use its existing traffic management software, completely removing the need to commission a new solution or retrain its operators. Bilfinger-Mauell encoder system allow the existing 200 cameras in the system to be managed using the same, familiar, pan-tilt-zoom (PTZ) controls, which means that it was not necessary to replace any of the existing analogue infrastructure.

The new CAU display system also employs a Mitsubishi Electric programmable logic controller (PLC) and sensors to monitor the network and take appropriate action if faults are detected. Despite its complexity, the system can be easily controlled using a Crestron touch controller and software developed by 3P Technologies.

In addition to the new control room screen, Mitsubishi Electric also equipped four additional workstations with LCD monitoring, enabling supervisors and emergency services personnel to view any of the 200 camera feeds, plus information on incidents and road conditions. Two meeting rooms and a police monitoring station use Mitsubishi Electric 55" panels and another 55" is used to show the map of the highway with traffic load, while the technical director's office is equipped with a 65" display.





Equipment List

Main Control Room

20 x Mitsubishi Electric 50PE75 SXGA+ resolution LED DLP cubes.

Display wall processor – Bilfinger-Mauell

Decoding System – Bilfinger-Mauell

Opticis DVI-Optic fiber Converters

Crestron Media Presentation Controller - MPC-M5-B-T

Mitsubishi Electric PLC compact system FX3U with GSM module and sensors for humidity, power analyzer and temperature.

Supervisor's workstation

Precision T7600 workstation intel xeon e5-2620 16gb ram
Desktop Monitor 20".

Meeting rooms

Mitsubishi Electric 55-inch Full HD LCD narrow bezel MDT551S

Opticis DVI-Optic fiber Converter.

Technical Director Office

Mitsubishi Electric 65-inch Full HD LCD narrow bezel MDT651S
Opticis DVI-Optic fiber Converterplacerat.

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