

SUPERVISION SYSTEMS, NEUCHÂTEL, SWITZERLAND

Part of the crucial link between the economic centres of Zurich and Geneva, the city of Neuchâtel is crossed by 20 km of two-lane motorway, of which 16 km in tunnels. All of the supervision systems were fully overhauled, enhancing safety and traffic flow for over 40,000 vehicles per day.

Date : 2016 – Client : OFROU



Services provided

- ✓ Complete overhaul of the previous architecture installed by Mobility 25 years ago.
- ✓ Transition into the era of virtualisation and Web 2.0.
- ✓ Work carried out at night concurrently with around ten other companies.

Technical details

- ✓ Gateway for the gradual switch from the old architecture to the new.
- ✓ Canton-wide hypervisor (70,000 I/Os) unifying all of the supervision systems.
- ✓ General traffic management: expert system combining calculated rules and pre-programmed scenarios (1,300 signals).
- ✓ West and Serrières tunnel traffic management (1,500 signals).
- ✓ Management of auxiliary systems (1,400 devices).

- ✓ Ventilation management (six extractors + eight fans + 34 boosters).
- ✓ Design and implementation of the fully virtualised architecture.

Strengths

- ✓ Web 2.0 HMI.
- ✓ Continuity of operation: work carried out at night, reopened to traffic every morning.
- ✓ Concurrent work: stronger coordination.
- ✓ @way inside.

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