

Traffic management center - control room Vienna



Segment: Tunnel / Traffic control
End user: ASFINAG AG
System integrator: PKE Verkehrstechnik
Realization date: 2013

ASFINAG plans, finances, builds, receives, maintains and tolls to the entire Austrian motorway and expressway network with a network covering nearly 2100 kilometers.

Requirements:

- New traffic control center including all electro mechanical installations of the highways A23, A22, Kaisermühlen tunnel and S1 and some rest areas, pumping stations and lighting installations
- Different systems need to be integrated in SCADA solution (like energy, video, ventilation, traffic, fire alarm, lighting, glazed frost alarming)
- High availability and reliability is mandatory

Solution:

- More than 50,000 I/O's in a redundant server system
- Integrated CCTV system including control and operation out of WinCC OA
- Traffic simulator including simulation algorithm for operating realistic scenarios
- Connection of many different systems via API interface
- Connection of remote systems via IEC 60870-104 (TCP/IP)

Benefits:

- Clear and easy operation of the whole system with one SCADA interface
- Integration of all various hardware components in one SCADA system
- High availability and safety through redundancy

