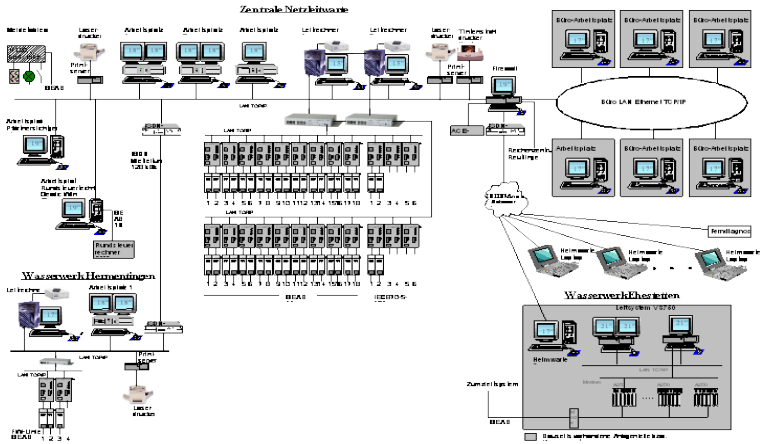
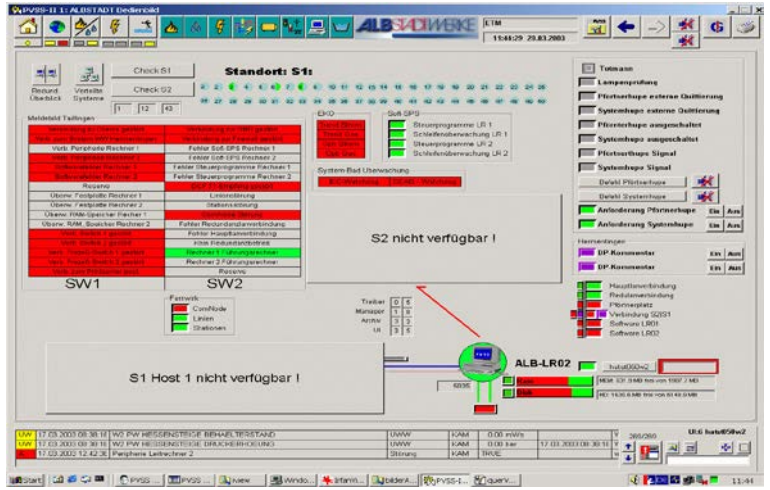
Expansion and modernization of the control centre for the integrated utilities network





Segment: Power, Gas and Water Supply
End user: Albstadtwerke GmbH
System integrator: Cegelec Anlagen – und Automatisierungstechnik GmbH

Requirements:

- Topology diagram of the mains electricity network: colour-coding is used to show the actual supply status
- Topology definition: the objects are parameterized online in the runtime environment
- Central topology functions: any number of voltage sources can be defined

Solution:

- Hot-Standby Redundancy (currently 27,000 external addresses)
- Energy cost optimization: the functions are performed in application with OPC interface
- Connection of two other waterworks to the system in the main network control center

Benefits:

- All data and information are available in one system
- Access to the control center LAN from the office workstations and home consoles
- Via standby management system the relevant alert handler get the information from the relevant specialist member of staff

The Albstadt supply area serves about 50,000 domestic users and numerous businesses spread over some 13,500 ha of mountainous terrain with a 500 m heights difference

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