

# Metro station control system for energy supply of Vienna public transport infrastructure



**Segment:** Metro

**End user:** Wiener Linien

**System integrator:** Siemens AG Austria

**Realization date:** 2005 – ongoing (system expansions)

## Requirements:

- Automation and visualization of: low-voltage distribution board, station system, smoke venting system, traction system
- Ability to manage distributed systems (more than 40 stations)
- Continuous expansions of the system due to the integration of new stations and revamp of existing stations

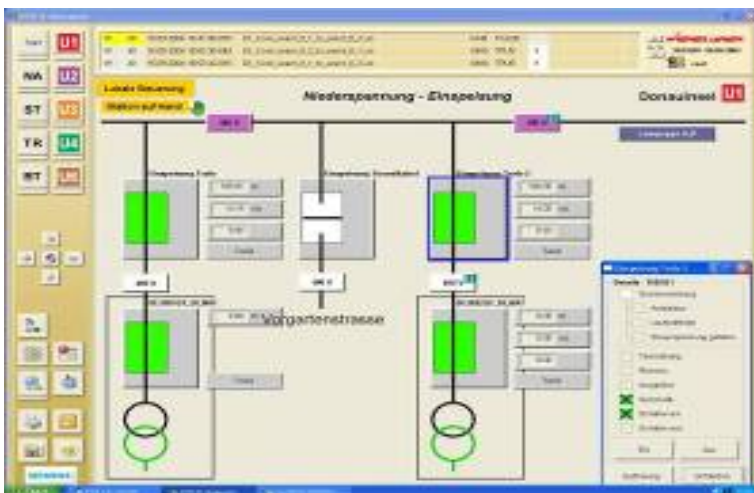
## Solution:

- Each station includes one pair of redundant WinCC OA servers, which are connected via TCP/IP to the central server
- Connection to many different systems via IEC60870-104, S7 driver, OPC, ABB AC800, BACnet, Eldatic, serial protocols, etc
- Control system handles about 60.000 I/O's

## Benefits:

- Openness, many communication protocols, the possibility to implement new protocols on demand
- Architecture: Redundancy, geographic distribution

*Wiener Linien is the company running the largest part of the public transit network in the city of Vienna, Austria. Ground routes consist of bus, tram lines and metro*



SIEMENS

