



**Clients**

**Siemens AG Austria  
Innsbruck, Austria**



Branch

Transportation

Project

Siemens completed a new signalling and control centre for ÖBB (Austrian Federal Railways) in 2008. Ittis™ software from Siemens was chosen to automate operations management for passenger and freight transportation services. WEY provided a reliable remote solution for operator PCs.

Client

Siemens AG is a global powerhouse in electronics and electrical engineering, operating in the industry, energy and healthcare sectors. The company employs around 430,000 employees worldwide and stands for technical achievements, innovation, quality and reliability for over 160 years. In 2008, Siemens achieved revenues of €77.3 billion.

Siemens Ittis™

The Ittis™ (Integrated Control and Information System) Controlguard from Siemens provides a complete solution for the secure, highly-automated, convenient and efficient management of railway systems. Ittis™ covers the entire field of operational railway control and guarantees safety-critical operator control of interlockings as well as a reliable display of the operating situation.

Challenge

The ÖBB control centre manages turnouts for passenger and freight transport on main international transit routes. The challenge was to provide latency-free video and USB data transmission without picture degradation for the railroad switches in western Austria. Project Management from Siemens encompassed rigorous testing procedures and a technical approval for the WEY SPT Remote Solution, which was carried out over a two month period.



Solution

Utilizing the Single Pair Transmission Solution, WEY remoted 20 PCs each with 5 screens using the Iltis™ application. Two DVI video signals with a maximum resolution of 1920x1200 and a USB 1.1 port can be transmitted over the 60 SPT remote lines. ÖBB plans to build three additional such control centres throughout Austria.

Facts & Figures

Remote Solution  
Single Pair Transmission (SPT)  
over CAT6 cable  
20 PCs each with 5 screens  
DVI and USB over copper

Project specific SPT modifications were required to accommodate the technical specifications of these particular workstations. Thanks to our in-house Research & Development team, WEY has the flexibility to meet customer-specific engineering requests.

Benefits

The ÖBB Control Centre is in operation on a 24/7/365 basis. With the help of the WEY Solution, the requirements for an ergonomic and quiet working environment for operators could be guaranteed and delivered together with an extremely high system stability and reliability. Each Operator has five monitors with crystal clear resolution and immediate access to all their data, despite the fact that their PCs have been remoted into a different room.

The system room provides a protected, dust-free and optimally cooled environment for the workstations. Software updates and maintenance procedures can be managed centrally without disturbing operations.

Quotation

Siemens Austria was responsible for overall technical evaluation, testing, project management and installation services on behalf of ÖBB. The responsible Project Manager from Siemens Austria has this to say about the collaboration with WEY: "During the intensive testing process, we were assured about the reliability of the WEY Solution, and during the installation we experienced the flexibility of the company."



Iltis™ application from Siemens