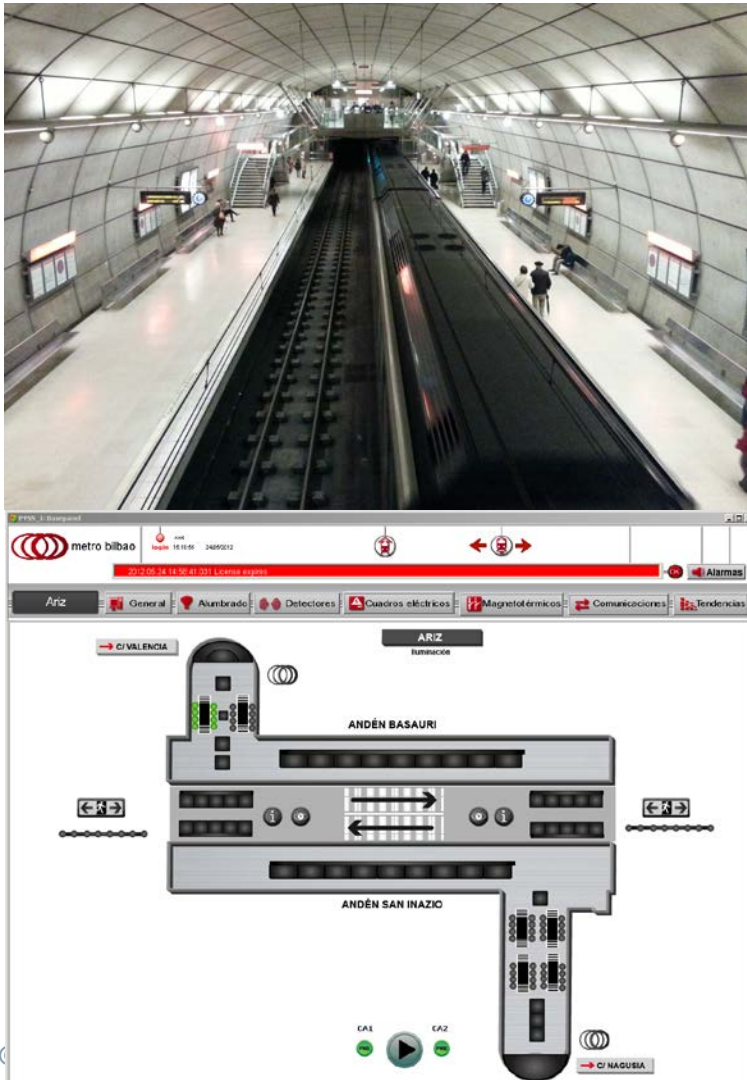


Metro Bilbao - Global management and distributed station control



Segment: Transportation

End user: Metro Bilbao

System integrator: Gertek Sociedad de Gestiones y Servicios, S.A., Spain

Realization date: 2012 - 2014

Requirements:

- Update of the old control system of auxiliary facilities of metro stations
- Same old functionality (local control) + new: remote control of all stations

Solution:

- 1 SCADA system in central control center (PMS): 2 redundant servers, centralizes all the communication, supervisory access through Web Client
- 41 SCADA systems in the metro stations (PME): Connected to local PLCs (10 stations with 120 PLCs (SIMATIC S7) and 31 stations with 130 PLCs (Modbus-TCP))
- 50,000 I/O signals in total

Benefits:

- WinCC OA is fast to install, clone and import & export, easy to program and expandable
- Global network vision and access - availability of the full system from any point of the network
- Facilitates the potential growth of Metro Bilbao - provides cost efficiency

The metro in Bilbao is one of the most important public transport systems in Bizkaia since 1998. It is the perfect example of engineering and architecture working together.

Gertek is WinCC OA Solution partner and a company involved in urban and interurban traffic management. It provides tools and experience for the improvement of mobility of persons and goods.



metro bilbao