

Reference



Project Partner

**Stadtwerke Muenchen GmbH
Muenchener Verkehrsgesellschaft mbH
Munich, Germany**

450 Buses, 96 Light Rail Vehicles

Project Highlights

- Intermodal Transport Control System – ITCS (former CAD/AVL) with Automatic Vehicle Location
- GIS map display
- Real-time passenger information with 130 stop-displays
- On-board computer COPILOTpc
- Color driver interface (touch)
- On-board next stop signs and audio announcements
- Voice recording for audio announcements
- Traffic signal priority

Interfaces To:

- INTERPLAN/VISUM planning tool
- VDV453/VDV454 to ITCS and real-time passenger information systems
- Central radio system
- Integration of existing vehicle equipment
- Analogue voice data radio from EADS

Future Extension:

- Vehicle equipment for new buses and light rail vehicles including next stop signs and announcement



In addition to the ITCS for operating buses and rails at the surface INIT provides a broadband data transmission system for Munich's subways. From 2010 on, the subways are equipped with the latest on-board computer COPILOTpc, driver-operator console TOUCHit and a rail certified data radio system. This for example enables the transmission of data from the video storage of the subways for quick analysis. For the data radio, a solution was chosen, which is characterized by a very large bandwidth (comparable to WiFi), a superior range into the tunnel systems and an extremely high level of data security. Therefore the subway stations are equipped with corresponding radio stations.

INIT Products Employed

- MOBILE-ITCS
- MOBILE-STOPinfo
- MOBILE-PLAN
- COPILOTpc
- TOUCHit
- MRI3
- MOBILereports
- MOBILEforms
- MOBILEgis
- MOBILEsurvey

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