

## Reference

**VAG** VERKEHRS-AG NÜRNBERG

### Project Partner

**Verkehrs-Aktiengesellschaft  
Nürnberg VAG  
Nuremberg, Germany**

350 buses, 70 trams

### Project Highlights

- Intermodal Transport Control System – ITCS (former CAD/AVL)
- JAVA technology
- GIS map display
- Connection protection
- 4 depots, 6 dispatch workplaces
- Report and form generation software
- Real-time passenger information at 106 stops using innovative Digital Audio Broadcasting (DAB) technology
- Depot Management System

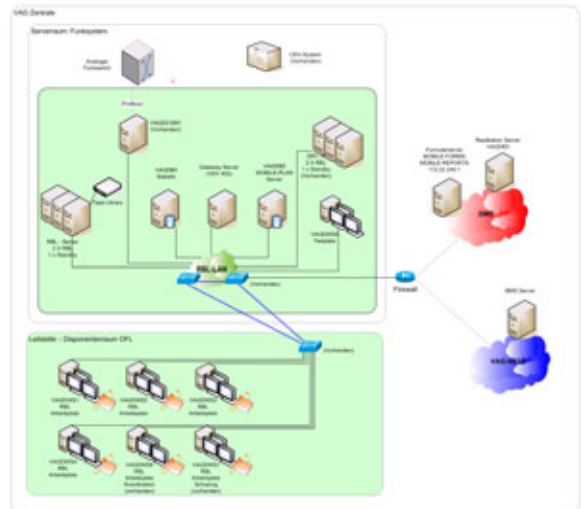


### Interfaces to:

- Interplan planning system
- AEG/EADS Voice radio system
- Siemens on-board computer (mobile data terminal) - via data radio
- Hicom phone system

### Future Extensions:

- Interface to external systems to communicate schedule data for real-time passenger information on the Internet



The city of Nuremberg in Germany is proud of a history going back over 950 years to medieval times. The transit authority VAG in Nuremberg is utilizing many of INIT's core ITS products. Real-time passenger information displays located at wayside stops help riders be informed about their wait time. Messages are sent from the vehicles to control center to give location updates. This information is used to send precise departure times to the displays via Digital Audio Broadcasting technology (DAB) instead of the traditional analog radio telegrams. This is just one example of cutting edge technology INIT has supplied.

### INITs Products und Systems

- MOBILE-ITCS
- MOBILE-STOPinfo
- MOBILE-MRI
- MOBILE-DMS
- MOBILEforms
- MOBILEreports
- COPILOT

### Contact Person

postmaster@initag.com

**init**  
The Future of Mobility  
www.init-ka.de