

Reference

Project Partner

**Stadtwerke Verkehrsgesellschaft
Frankfurt am Main mbH VGF**

Frankfurt, Germany

200 Busses, 60 Light Rail Vehicles

Project Highlights

Phase 1: 200 Buses

- Fare collection with cashless payment with smartcard – pre-stored value bank card
- Fare collection ticket printer
- Autonomous vehicle positioning
- Traffic Signal Priority

Interface To:

- Siemens CAD/AVL
- Siemens NEMO proprietary radio modulation

Phase 2: 60 Light Rail Vehicles

- Equipment supplied to Bombardier trains as OEM:
 - Mobile data terminals
 - Mobile radio interface
- Automatic passenger counting system
- Wireless LAN for data and software transfer

Interface To:

- INFOS Infrared Beacons for location information



With 650,000 residents, Frankfurt is only the fifth largest city in Germany. However, regarding transportation this statistic is misleading as almost the same number of commuters travel to their workplace in Frankfurt. The VGF serves these people by providing almost 300 vehicles and 670 stops. On board the light rail vehicles, INIT's mobile data terminals are installed at both ends of the train, as they operate in both directions. The system uses infrared beacons to communicate location information that is especially useful when these trains go through tunnels and underground areas.

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