

Reference



Project Partner

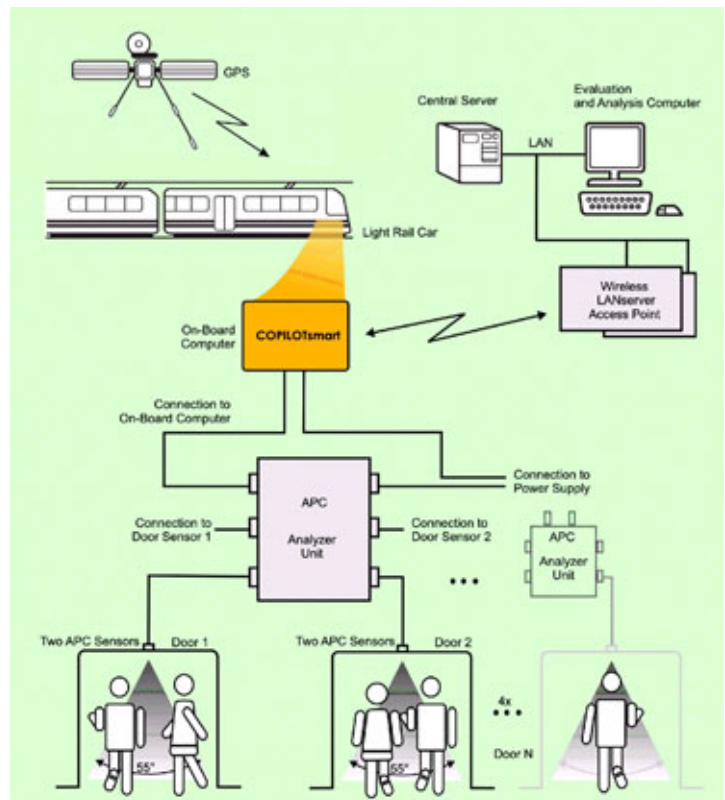
CATS, Charlotte Area Transit System Charlotte, NC

16 Light rail vehicles (Siemens manufacturer)

4 Additional LRV's in progress

Project Highlights

- APC System – COPILOTsmart as on-board computer controls vehicle equipment
- NO DRIVER LOG ON
- Equipment on board is hidden behind panels and is not visible to passengers
- Data Transfer based on state-of-the art CISCO security standards
- Wireless LAN data/software transfer to and from the vehicle
- Access points located at LRV garage
- Passenger count data processing at on central location
- Data Validation Matching of passenger data with schedule information
- Data evaluation with MOBILEstatistics software
- CATS is using INIT's IRMA Automatic Passenger Counting system for planning and reporting purposes. Passenger count data is collected and stored in the COPILOTsmart, then sent via Wireless LAN to the Control Center where the data is analyzed at the Service & Performance department.



The Charlotte Area Transit System (CATS) operates historical trolleys, express shuttles and buses serving Charlotte and its immediate suburbs. The 2025 Corridor System Plan looks to upgrade Charlotte's public transportation by supplementing its established bus service with light rail & commuter rail lines called the LYNX. LYNX is designed to carry passengers along five key corridors. Lynx and Charlotte's commuter rail network will link uptown Charlotte with its immediate suburbs along four additional key corridors.

INIT Products Employed

- MOBILE-APC
- COPILOTsmart
- WLAN
- IRMA

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