

Reference



Project Partner

King County Metro Transit Seattle, WA USA

1449 Fixed Route Vehicles equipped with COPILOTpc, GPSgo, and 25% with APC.

Project Highlights

- Intermodal Transport Control System – ITCS (formerly CAD/AVL) using GPS for vehicle positioning
- GIS map display
- Onboard next stop displays and announcements with MP3 Voice Data Center for audio recording
- Automatic passenger counting system for 314 vehicles
- Statistics software for analysis and reporting of passenger counting, schedule adherence, and other information



Interfaces To:

- ERG Group Driver Display Unit (DDU) used as MDT for fare collection and ITCS
- Motorola 700 MHz Radio System implemented concurrently
- Onboard Wireless Data Onload Offload System to include upgrade to 801.11g capability
- Destination Signs from Luminator and TwinVision
- Amtech RF tag for TSP system
- Hastus Planning Software from Giro



Future Extension:

- Wireless interface to TSP
- Real Time Passenger Information

King County Metro Transit is located in the Seattle metropolitan area. Service is provided in King County, a 2,134 square mile coverage area including the cities of Bellevue, Redmond, and Kirkland. KCM serves an annual ridership of over 100 million passengers. In the KCM Communication Center, a JAVA-based ITCS (former CAD/AVL) system will support the coordinators managing the vehicle fleet. The Onboard System (OBS) / Communications Center System (CCS) project will be implemented concurrently with an upgrade to a Motorola 700 MHz radio system including infrastructure and mobile units, and integrate to the Driver Display Unit provided for the Regional Fare Collection System from ERG Group.

INIT Products Employed

- MOBILE-ITCS
- MOBILEplan
- MOBILE-APC
- COPILOTpc
- IRMA
- PIDstation
- MOBILereports
- MOBILEforms
- MOBILEstatistics
- MOBILEsurvey
- MOBILEic

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