

System Overview

Fully Integrated Real-time Information Systems

Xerox provides fully-integrated real-time information systems featuring mobile communications, GPS-based automatic vehicle location (AVL), computer-aided dispatching (CAD), fare systems solutions, and two-way messaging.

Xerox uses open and modular architecture compatible with industry standards, allowing for growth in functionality, performance, fleet size, future communications options, and new technology insertion.



Fully integrated real-time information systems for public transit fleets:

- Fixed-route buses
- School buses
- Paratransit vehicles
- Maintenance and supervisory vehicles
- Light rail
- Trolleys

Major features:

- Computer-aided dispatch
- GPS-based automatic vehicle location
- Mobile radio communications (voice & data)
- Cellular data communications
- Intelligent vehicles
- Two-way data messaging
- Bank card solutions
- Ticket vending machines.

Adheres to Critical Architectural Principles and Industry Standards:

- Maximum in-vehicle intelligence and autonomy
- Exception reporting
- Common vehicle operator interface
- Reconfigurable vehicle operator displays
- J1708/J1587/J1939 Vehicle Area Network
- Intelligent Group Polling Protocol
- Compatibility with multiple radio suppliers
- Mobile communications transparency
- Common transit data base
- Client-server architecture
- Flexible, scalable, reconfigurable system
- Host computer redundancy
- Standard interfaces with other transit information systems

Benefits:

- Improves On-Time Performance
- Increases System Safety for Vehicle Operators & Passengers
- Enhances Dispatching
- Improves Communications Channel Utilization
- Simplifies Vehicle Operator Interfaces
- Provides Real-Time Status to Travelers
- Provides Feedback to Planning & Scheduling
- Provides Real-Time Vehicle Performance Monitoring for Maintenance
- Instant real-time manifest updates for Paratransit
- Customer payment options
- Revenue system solutions

Contact us.

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