INTELLIGENT VEHICLES INTEGRATE AND SAVE MOBILE DATA

RMMobile Data Management System
With high fuel and labor costs, safety concerns, and the need to improve customer service, one of the best investments transit agencies can make is in mobile data management technologies.

RouteMatch brings a powerful hardware, software, and communication platform so you can put your mobile vision in motion. The RM Mobile Data Management System can transform your transit vehicles—giving you the foundation for dramatic operational change and cost savings—whether you are running Demand Response, Fixed Route or Flexed Route services.

We rely on the latest wireless devices, communication innovations and a highly skilled team to provide cost-effective and proven solutions to the public transportation industry.

ATHENS TRANSIT SYSTEM

“We can easily see when same day cancellations or adjustments need to be made. Knowing where each vehicle and passenger is at all times allows us to quickly slide passengers into vehicles, or group routes. This means we can accommodate more passenger requests, even if they are unplanned.”

PATRICIA BARNETT-HALE, SUPERINTENDENT
DID YOU KNOW THAT WITH RM MOBILE DATA MANAGEMENT SYSTEM, YOU CAN...

- Minimize unwarranted detours or route deviations and save 10-15% on fuel costs?
- Let riders know where their rides are or bus is in real-time?
- Monitor the location of your vehicles and drivers and reduce unnecessary driver overtime?
- Increase safety measures for emergencies?
- Improve will call management?
- Conduct computer-assisted passenger counts?
- Improve on time performance?
- Improve driver accountability?
- Conduct pre and post trip vehicle inspections?
- Manage electronic fare payments?
Tablets are easy to update and switch around by driver and vehicle; we use them for both our paratransit and fixed route operations. Drivers love them and know exactly what they need to be doing.

ANNETTE GRANILLO, TRANSIT OPERATIONS MANAGER

The **Android Operating System** is the worldwide leader in the mobile operating market, and we love its flexibility. That’s why it’s the backbone of our mobility applications. RouteMatch Suite of Mobility Applications offers 100% of the functionality provided by traditional mobile data terminals, plus, remarkable scalability for other value added applications. We understand that one size does not fit all; that’s why our solutions can be adapted to the unique operational demands of your organization.

**All you need is a single sign on.** This means you can access multiple systems and electronic manifests as well as other features.

Everything is conveniently managed and maintained by RouteMatch — making connecting with RouteMatch support and development a breeze.
Tablet Mobile Data Devices

FRIENDLY FOR THE USER. FRIENDLY ON THE BUDGET.

As business-grade mobile technology developments have evolved, so has the use of tablets as in-vehicle mobile data devices within transit. Tablets bring immediate benefits to your transit agency as well as to your riders. Due to exceptionally low costs and innovative technologies, tablets offer large scale functionality and convenience. They are the new norm for advanced transit technology practices.

- Enable real-time automated dispatching
- Go paperless
- Facilitate communications to and from the vehicles and the dispatch center
- View vehicle location, speed and direction- in real-time
- Assign tablets to drivers or vehicles
- Get Google Mapping and Satellite Views as well as Offline Mapping
- Track and measure on-time performance with estimated time of arrival tools
- Conduct pre and post trip vehicle inspections
- Manage electronic fare payments
- Increase safety and security through GPS reporting
- Reduce vehicle layover and non-revenue dead-head miles
- Enable pop-ups and notifications
- Access and update driver manifests without manual data entry
- Attain historical data of vehicle location to accurately address customer inquiries
- User friendly interface
- Gain turn-by-turn voice annunciated directions / navigation
- Capture billing information
- Federal Information Processing Standard (FIPS) compliant
Configurability is king when it comes to RouteMatch mapping displays. A set of tracking and visual display options make finding and viewing your vehicles easy. For example, you can pinpoint vehicles and vehicle routes by color in or out of a grid format. Or, quickly view all of your mobile data device information and vehicles on one screen so you have a holistic view of demand response trips, standing orders, fixed route vehicles or flexed vehicles.

Other configurations? Click and see planned and actual routes. Or, quickly check on a specific vehicle status by using smart hovers. This way, you are always “in the know” of whether you are ahead of schedule, behind schedule, or if there are issues.
RMVelocity is a powerful and compact vehicle management unit specifically designed for public transit ITS applications. This small “black box” is the “brains,” an expandable platform for data collection and on-board device management such as voice announcement systems, head signs and other peripheral devices.

- AVL reporting for vehicle tracking
- Wi-Fi hotspot for tablet connectivity inside or outside the vehicle
- J1708 interface and target engine for management of fixed route peripherals
- Ability to track items such as door open/close and covert alarm
- Power management
- Interfaces for future peripheral connections
- CANBUS 2.0b interface for on-board vehicle diagnostics
Change is inevitable, especially with demand response services. With RouteMatch, you gain the benefit of full Dispatching integration which means **dynamic dispatching and the ability to make on-the-fly schedule changes**. Drivers can download trip manifests to the mobile data device and collect all required data for each passenger, including odometer readings, pickup and drop off times, no shows, late cancellations, fare information, and other related trip data – all in real-time.

RMMobile Demand brings tools to facilitate communications between drivers and dispatch. It eliminates the need for paper and reduces the amount of voice and radio traffic on board the vehicle since messages can be sent directly to the tablet devices in real time. **Real-time verification** and reporting are also facilitated.
On-time performance, safety, and ridership services are critical to fixed route operations. With RMMobile, fixed route operators can provide estimated times of arrival (ETA) to their riders’ smartphones, their agency web site, and peripheral signage.

The RMMobile Fixed application models the workflow for fixed route drivers, providing a single sign on to multiple peripherals and electronic stop list. Other features such as automated odometer / mileage collection, passenger counting by fare type at the stop level, ETA to next stop, and a mailbox for electronic communication with dispatch are also included.
To help transit agencies maintain vehicles and increase safety measures, RouteMatch offers an automated pre and post trip vehicle inspection module, RMMobile Inspect. This not only offers transit agencies insight into conditions that may cause a vehicle to be pulled from service, but also the ability to act upon or escalate faulty inspections on to supervisors, if needed.

Our inspection module is powerful and flexible; transit agencies can configure forms and prompts. They can also set up business rules for enforcement. From the tablet, agencies can check off the status of fluid levels, brake lights, tire pressure, odometer readings and other information and automatically store that data for future use. Standardized reporting and ad hoc reporting are also available.

Finding critical spots to utilize vehicles can save transit agencies time and money, and also help close service gaps. The RMMobile Flex application fully supports both Demand Response and Fixed Route trips in one driver manifest. This means you can manage all your flex route activities from “one location.”
RouteMatch supports all major telecommunication providers in the United States, Canada and Australia. Through select integration partners, RouteMatch also supports private radio networks.
PLEASE CONTACT US TODAY.

888.840.8791                   sales@routematch.com