

MOBILITY DR

"MobilityDR is a state-of-the-art technology platform that utilizes adaptive routing and assignment algorithms to assign passengers to the right vehicle at the right time. Our platform optimizes customer demands and vehicle constraints to offer real-time travel options by schedule, price, and level of service."

Key Features:

AUTOMATED SCHEDULING & DISPATCHING

At the core of MobilityDR is an automated vehicle scheduling system that determines which vehicle in a service zone to assign each customer trip. The system also automatically sequences passenger pick-ups and drop-offs and optimizes vehicle routing. The scheduling system is capable of handling a multitude of configurations, ranging from fully on-demand, responsive services to more structured services such as flex routes and checkpoint-based DRT, and quasi-fixed routes. Services can vary in different zones and vehicles can operate in different modalities within these zones. The scheduling software continuously re-optimizes customer requests throughout the day.



"QUICKBOARD" SCHEDULING

This feature enables walk-on customers to board a vehicle without a reservation, inform the driver of their destination, and then have their trip scheduled and incorporated into the vehicle tour in a matter of seconds. The scheduling algorithm is invoked by the driver just prior to the vehicle leaving a timed-transfer point or checkpoint, and the outbound trip drop-offs are then sequenced for the optimal vehicle path. For all scheduled pickups, the system uses the vehicle GPS coordinates to send notifications regarding ETA to passengers. Customers can specify notification preferences at the time of registration from SMS, e-mail, push notifications, or IVR (Interactive Voice Response).

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MOBILE TRIP BOOKING APP

This user-friendly interface allows the rider to book rides, manage trips, receive real-time notifications, and even schedule future and/or recurring trips.

DRIVER APP

The driver application has a continually updated manifest, visual directions, and audio driving instructions and is available as a tablet or phone app.

MANAGEMENT CONSOLE

This management console provides real-time visibility into vehicle operations and enables system administrators to set desired service configuration and scheduling parameters. This console includes real-time vehicle locations and detailed historic information on vehicle movements, driver breaks, and other customizable features. There is a virtually unlimited flexibility in designing the reports that can be generated for agency staff or private operators.