

ADEPT IQ

Go Further with Intelligent Performance

ADEPT IQ Solutions for Demand Response

At StrataGen we focus solely on the Demand Response Industry delivering over 25 million trips per year worldwide with ADEPT software. ADEPT IQ helps transit agencies perform better with more service capacity and reduced operator costs.

Web-based and built to address the way Demand Response Sites operate ADEPT IQ is organized by function into Booking, Planning, Dispatch and Rider Management modules that all share a common interface.

Each of the Booking, Planning and Dispatch modules have optimization engines that increases their individual performance so that when ADEPT IQ identifies a solution, that solution will be optimized across the entire operational workflow – helping agencies work smarter and perform better.



"With ADEPT our productivity saw a dramatic 30% increase while call handling time decreased by the same amount. In addition service denials dropped from 4.8% to 0%." — New York City Transit



REDUCE COSTS

ADEPT IQ enables agencies to work smarter and perform better at reducing the bottom line.

- Trips are optimized for ride sharing across the workflow to maximize fleet efficiency and routing is improved through advanced algorithms to reduce slack time.
- Streamlined booking processes and the advanced booking engine smooths trip demand utilizing live and historical data to insure less vehicles are needed during peak travel times.
- Task management tools built for Demand Response scenarios put relevant information in one place for effective monitoring and control enabling good decision support.



IMPROVE PERFORMANCE

ADEPT IQ maximizes fleet productivity affording more trips with fewer vehicles - more ride sharing, less slack time.

- Each phase in booking, planning and dispatching has its own optimization engine that guarantees to maximize efficiencies in each part of the workflow and throughout the operation.
- The Dispatch Engine uses live and historical data to continually recalculate the best possible trip solution for exceeding on-time performance and compliance benchmarks.
- Fleet Simulator is used to model day of scenarios and test performance impacts of critical decisions before they occur.



STRENGTHEN RIDERSHIP

ADEPT IQ's flexible services makes it easier to book trips, complete self-services and communicate to riders helping to lower call backs and cancellations.

- Rides are booked to enhance productivity with ADEPT's unique formula for scheduling a journey plan that helps to avoid call backs and cancellations.
- Flexible in working across service areas and providing multi-modal solutions that improve on-time rates while keeping in compliance.
- Real-time data with easy to use tools enable better monitoring and communications to help keep riders up to date with Web-booking, IVR and Mobile Computing Applications.

ADEPT IQ Modules



BOOKING

ADEPT IQ uses journey planning to logically improve routes and the booking engine manages trip demand to help avoid adding more vehicles just to service peak times in the schedule. Reservationist use a workflow in ADEPT IQ that make passenger calls more concise and efficient to help reduce call times and passenger call backs.

- Web or mobile booking enables riders to view, cancel and schedule their own trips online, at their convenience to help reduce call center traffic.
- Choose any Integrated Voice Response system to easily connect with ADEPT IQ's API and enhance passenger communications.
- Booking engine recognizes patterns in data to insure trips are optimized for more ride sharing opportunities with its sophisticated algorithms that provide speedy travel time calculations.



PLANNING

Performance that is second to none, ADEPT IQ quickly schedules trips based on configurable strategies by the agency. Trips are also grouped logically together into a journey plan with routes optimized for better ride sharing opportunities to help perform more trips with less vehicles.

- ADEPT IQ builds maximum performance into the schedule and produces the best possible trip solutions based on the agencies own strategies.
- Fleet simulator models the actual driving conditions before assigning vehicles to help plan for the ultimate productivity schedule.
- The Planning Module Engine uses sophisticated algorithms to identify patterns in historical data combined with current passenger requests for faster, better route optimizations

ADEPT IQ Modules



DISPATCH

The Dispatch Module in ADEPT IQ combines Automatic Vehicle Location, Alerts and Maps into a single view where all work can be completed in context on a map that displays trips, routes and vehicles. This map-centric approach enables dispatchers to access critical information and manage day of service challenges effectively with drag and drop functionality and color coded icons that help dispatchers monitor and resolve issues with ease.

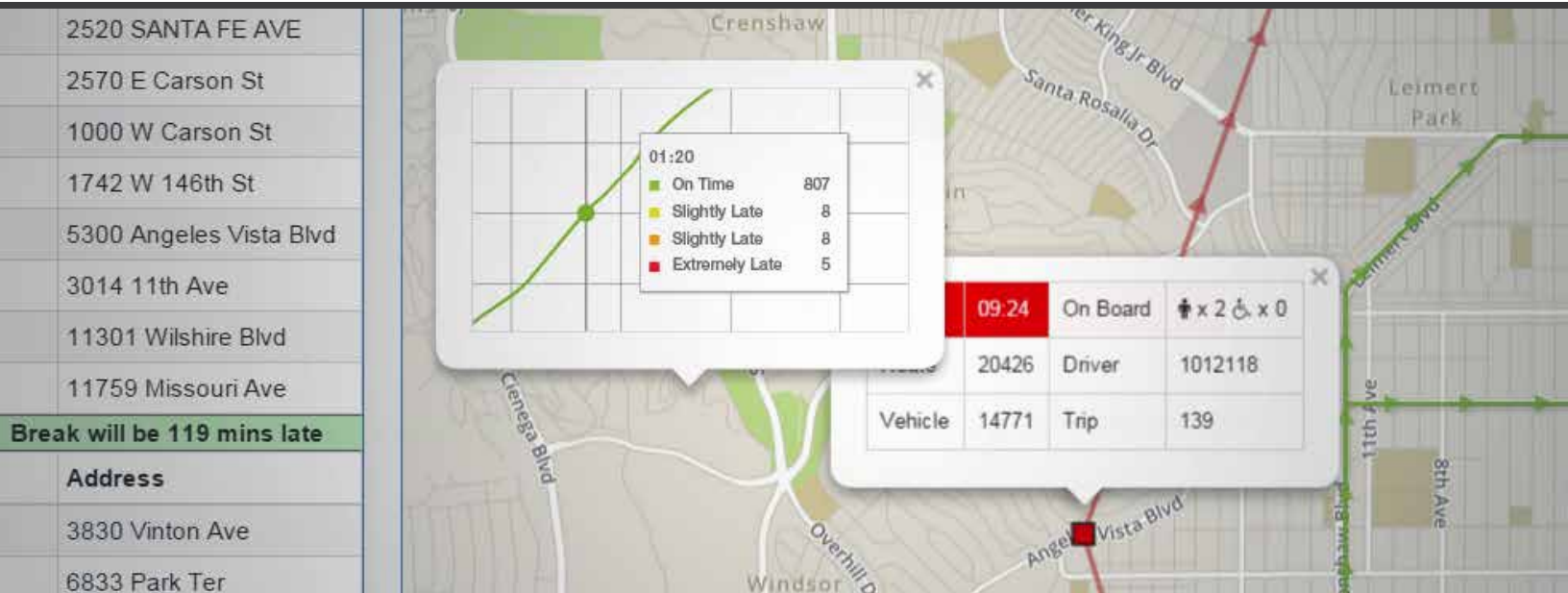
- Passenger trips are continuously optimized by ADEPT IQ as real-time changes occur to help improve ride sharing, route performance and reduce slack time.
- Dashboards are updated with live data throughout the day to monitor OTP and Productivity
- Fleet simulator models actual driving conditions before assigning vehicles to help determine the best possible trip solutions.



RIDER MANAGEMENT

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Map-Centric tools with AVL features improve Dispatch workflows

"It makes a novice look good. We've been able to work with ADEPT and put customers first." — Pullman Transit

Additional Features and Highlights:

REAL-TIME SCHEDULE OPTIMIZATION FOR DISPATCH

- Continuous optimization based on real-time schedule changes helps improve performance.
- Map-centric monitoring and control with flexibility to manage trips individually or in groups.
- Administer trips, routes and vehicles on both a map and a configurable timelines.

PLATFORM ARCHITECTURE

- Cloud-based enables hosting options to avoid expensive IT and server hardware to support.
- Device Neutral and cross platform support for flexible deployments.
- Modular architecture provides stand-alone capabilities or plug-n-play with legacy applications

REPORTING

- Standard and customizable reporting, comprehensive data and open source platform.
- Assessments that help identify operational effectiveness and insure compliance.
- Extensive trip data, AVL information, and no-shows included to improve fleet management.