

TRANSITiQ

Providing a Better Public Transportation Experience

EASTBANC
TECHNOLOGIES

Take advantage of open data to improve efficiencies and service quality.

Achieve Situational Awareness into Your Entire Fleet

It's your mission to deliver reliable public transportation services. We can help you deliver the on-time, efficient, and dependable service your customers demand.

TRANSITiQ is a powerful transit system software platform. Built entirely in the cloud and delivered as a SaaS solution, TRANSITiQ provides a flexible range of solutions to plan, operate, and optimize your public transportation services. By putting self-service journey planning and monitoring tools in the hands of your customers, passengers enjoy a more informed transportation experience, trust its reliability, and increase ridership.

Leverage Actionable, Real-Time Business Intelligence

TRANSITiQ helps transit agencies keep a finger on the pulse of vehicle movements, minimize bus bunching, achieve greater rider satisfaction, and improve adoption of public transit services.

TRANSITiQ provides “one source of truth” about your fleet, down to specific vehicles and routes. The solution delivers the tools for a reliable public transportation experience, including:

Dynamic monitoring—Real-time dashboard reporting on fleet movements enables swift investigation and mitigation of issues such as deviations from schedule, delays, and better management of resources.

Powerful business intelligence capabilities—Gain insight into historical trends and other key metrics for better decision making. The resulting optimization increases rider satisfaction, prevents delays or bunching, and optimizes transit coverage.



Self-service customer tools—Riders can interact with your data via a browser, smartphone app, public displays, and touch panel—making trip planning a breeze.

Improved predictions—Keep riders informed of the positions of your bus fleet via a mobile app, bus stop panels, and internet maps.

TRANSITiQ delivers riders with accurate information about their journey and any potential disruption. It's also the cornerstone of operational agility—providing you with the insight needed to flag congestions, modify schedules, change driver behaviors, and improve on-schedule operations.

How It Works

TRANSITiQ is powerfully simple. Using a combination of smartphone-based GPS and cloud-based technology, TRANSITiQ provides a 360-degree view of individual vehicles and your overall fleet.

With TRANSITiQ you can quickly access information on individual vehicles or the entire fleet. Powered by the cloud, TRANSITiQ automatically scales to handle peak traffic times and a surge in position reports—without interruption or delay.

Because it provides the option of smartphone-based reporting, hardware investment is minimal and there's no software to manage, and because it's cloud-based, TRANSITiQ is easy to install and maintain.

The solution also exposes real-time data to external and internal developers.



TRANSITiQ—A Comprehensive Modular Solution

TRANSITiQ is a modular platform designed with flexibility in mind. Whether you're looking to supplement your existing investments or building a fleet tracking system from the ground-up—pick and choose the components that meet your tracking, reporting, and ridership needs:

Business Intelligence—At the core of TRANSITiQ is a powerful data processing and report generating component that takes you inside the performance of your fleet. Use this ever-growing set of pre-built statistical visualization tools to gain a better perspective on system performance, anomaly detection, trends, and goal measurement. The analysis drills across all modes of transportation (buses, heavy or light rail, streetcars, ferries, water taxis, etc.).

Smartphone-Based Reporting with GPS—Whether you wish to use your existing GPS or our smartphone-based system, TRANSITiQ provides you with an easily deployable smartphone app for collecting vehicle coordinates using smartphone technology. No interaction with the driver is needed while driving. Every few seconds, the current location is transmitted to TRANSITiQ for real-time analysis and reporting. The GPS can act as a stand-alone application or TRANSITiQ can collect data from devices already deployed in your vehicles, extending the return on your investment in existing hardware.

Mobile Applications—Through a native cross-platform mobile app, riders can view real-time bus positions as well as arrival predictions. Support for bus, rail, and even bike ensures they have a clear view of all available travel options. Users can explore bus stops and rail stations

around them, search stops, routes or landmarks, and plan upcoming trips. Service alerts and location-based push notification ensure citizens are kept in the loop. Integration with Bluetooth Beacons enables visually impaired users to safely navigate the transportation system.

Interactive Public Displays and Trip Planning Kiosks—Improve customer outreach by utilizing our applications for making transit system positional data available via large map-based screens. Touch-based interfaces provide trip planning options at the touch of a finger.

Trip Planning Web Widget—Extend TRANSITiQ's real-time trip planner to any website using an out-of-the-box cloud-based widget. Incorporate data from multiple transit agencies to provide riders with a bigger picture of available transportation options.

Arrival Time Predictions—TRANSITiQ will translate bus positions into arrival time predictions for your customers. Continuously learning, it provides you with the best possible predictions which are exposed through our API and standard real-time feeds (e.g. GTFS-RT) for third parties and traffic data aggregators.

Leverage Existing Investments—The magic of TRANSITiQ is that it works in conjunction with your existing hardware and software investments. Appreciate the power of TRANSITiQ's business intelligence capabilities, without additional overhead.





Why EastBanc Technologies

More than a vendor, EastBanc Technologies is a proven and trusted partner of government agencies that seek to incorporate innovative solutions, like mobile and cloud technology, into their mission. With extensive experience in supporting the state and local domain and an emphasis on platform-agnostic solutions, we can help identify the best practices and technologies that are right for you.

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EastBanc Technologies has been working at the frontier of technology since 1999. Today, the firm provides full-lifecycle software development delivering flexible technology solutions that seamlessly integrate with existing systems—whether on premise or cloud. EastBanc Technologies partners with public and private sector clients to solve their most difficult technology challenges. Headquartered in Washington DC, the firm employs 200 people. To learn more, visit eastbanctech.com.