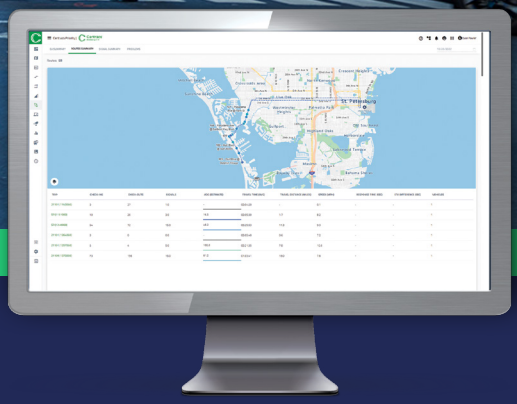

Centracs® PRIORITY

Dynamic Signal Control for Critical Fleets

Centracs® Priority delivers dynamic signal control for transit and emergency vehicles—without any in-cabinet hardware. It uses intelligent, ETA-based prioritization, eliminating the need for complex CAD integrations and significantly reducing hardware and maintenance costs.

The system integrates with most major CAD/AVL platforms and also offers a lightweight option requiring only basic inputs: vehicle location and destination (for emergency vehicles) or stops and schedules (for transit). A built-in routing engine continuously updates routes and signal requests using real-time vehicle position and AI, optimizing response times while minimizing disruption to the road network.

By predicting arrivals multiple intersections in advance, Centracs Priority improves emergency response times, enhances transit on-time performance, and reduces impacts on general traffic.

Key features

- Priority Service Dashboard offers real-time visibility with advanced performance metrics and event tracking for better operational insight
- Configurable alerts based on user-defined events to proactively manage system performance and priority requests
- Tailored prioritization for up to 10 distinct vehicle classes, ensuring flexible service across varied use cases
- No in-cabinet hardware required
- Supports both fully CAD-integrated and CAD-less vehicleintegration approaches

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Centracs Priority: Key features and capabilities

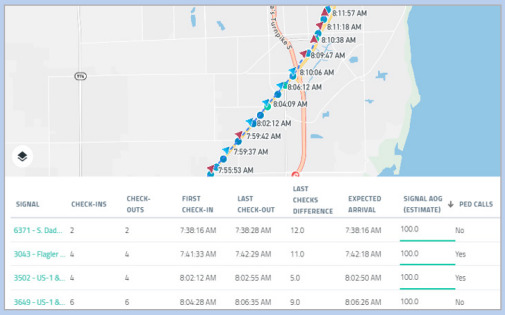
Key Features

- Integration with GTFS including GTFS Schedule, GTFS Real-time, and any implemented GTFS Extensions
- Synchronization of schedules and position feeds with live feedback on schedule and headway adherence
- Near-side stop request cancellation support

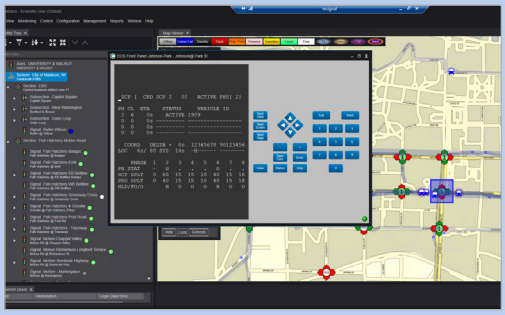
Key Capabilities

View live signal status in tandem with controller Remote Front Panel access — troubleshoot and verify priority operations from a single map-based view.

- Dynamic routing engine leveraging (AI) to re-calculate routes and ETAs on-the-fly
- Split adjustments without breaking coordination
- Support for multiple emergency vehicles assigned to the same incident to prevent conflicts
- Pre-flushes standing queues in advance of vehicle arrival



Priority Route Performance Report



Status Map with Remote Front Panel

Transit Signal Priority (TSP)

Centracs Priority helps transit agencies elevate operational efficiency and service quality. It integrates seamlessly with GTFS data and in-vehicle systems, ensuring real-time information drives accurate schedule management and decision-making.

Through continuous communication between transit vehicles and traffic infrastructure, Centracs Priority maintains consistent headways and improves on-time performance. By dynamically calculating vehicle ETAs and coordinating directly with traffic controllers, the system eliminates the need for legacy TSP check-in methods and enables more efficient, responsive transit flow.

Centracs Priority supports a wide range of agency objectives—from maintaining tight schedules to prioritizing bus rapid transit corridors—while enhancing the rider experience and minimizing disruption to overall traffic conditions

Emergency Vehicle Preemption (EVP)

Centracs Priority is designed to accelerate response times, improve traffic flow, and enhance safety for both emergency responders and the public. This advanced solution features a dynamic, AI-driven routing engine that continuously recalibrates routes and ETAs in real time, ensuring emergency vehicles navigate traffic as efficiently and safely as possible.

The system also coordinates multiple emergency units responding to the same incident, eliminating potential route conflicts and streamlining overall response efforts. In addition, Centracs Priority proactively clears traffic buildup ahead of approaching vehicles to maintain uninterrupted movement.

By applying intelligent, ETA-based preemption selectively, Centracs Priority minimizes disruption to general traffic while prioritizing urgent response needs. The result is faster, safer, and more efficient emergency operations with minimal impact on surrounding road networks.

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