Centracs® Priority

ECONOLITE
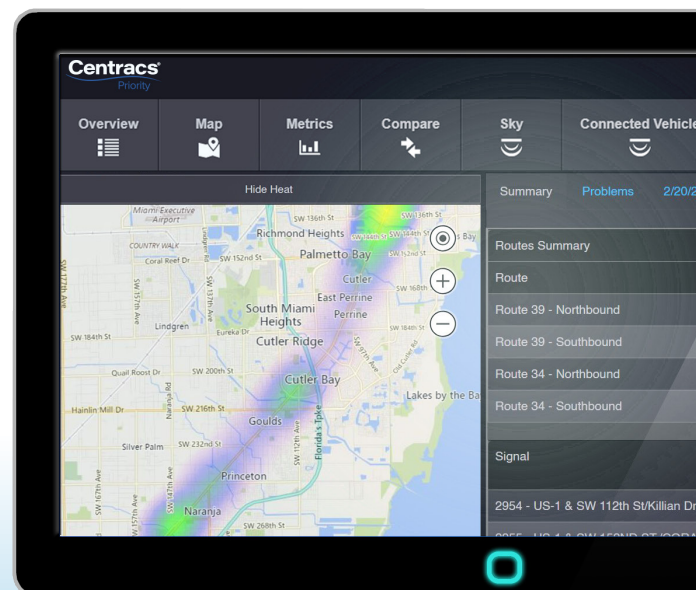
Breakthrough Signal Priority

Centracs Priority provides **dynamic signal control** to fire, transit, and emergency vehicles. By leveraging GPS and existing CAD AVL systems, Econolite's Centracs ATMS is able to calculate vehicle ETA at signalized intersections. This enables Econolite's smart traffic controllers to render tailored priority much more efficiently than legacy preemption or TSP systems. Simultaneously, Centracs Priority dramatically reduces hardware costs and ongoing maintenance since there's no need for traditional cabinet equipment.

The Intelligent Priority Solution for Smart Cities

Centracs Priority replaces traditional siloed emergency vehicle preemption and transit signal priority systems with an integrated inter-department priority solution. This greatly improves efficiency, reducing emergency response times by 20 seconds or more, and transit on-time performance. Moreover, regular vehicular traffic is far less impacted through the ability to use ETA to plan signal timing for vehicle arrivals well in advance of each intersection.

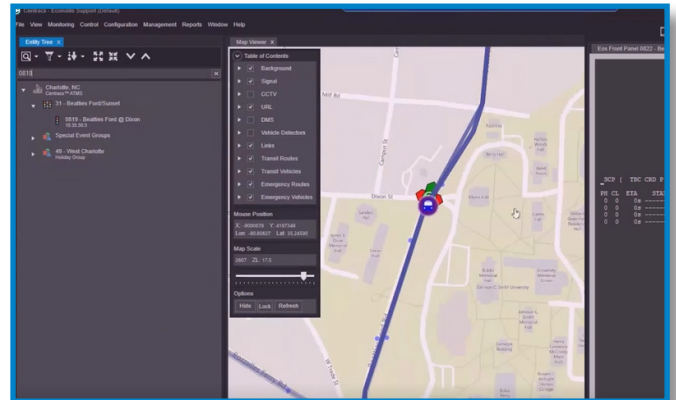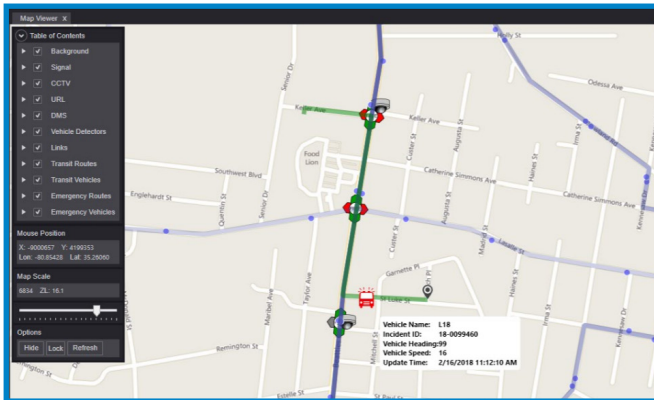## Providing Safe and Efficient Mobility

Centracs Priority optimizes the movement of emergency and priority vehicles to lessen — often eliminate — the resulting traffic congestion of traditional preemption or TSP systems. The goal being to help reduce response times to four minutes, or under, increasing victim survivability in emergency situations. In addition, Econolite's queue flush feature, that discharges traffic congestion in advance of arriving emergency vehicles, further reduces delays for commuters, so they quickly and safely reach their destinations.

About the Module

Centracs Priority provides revolutionary new capabilities in enhancing efficiencies, safety, and cost savings over traditional emergency vehicle preemption and TSP systems. It provides a single route-based priority solution by leveraging in-vehicle GPS and existing CAD AVL systems to calculate vehicle ETA at each signal with multiple vehicle classifications and priority levels.

Key Benefits

Significantly reduces preemption across the system

Greatly reduces in-street hardware and maintenance costs

Provides much more efficient and effective transit priority with the use of ETA

Uses existing AVL and GPS CAD and dispatch systems

Improves safety by getting traffic out of the way of emergency vehicles

Increases safety for first responders and firefighters

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