

# Centracs<sup>®</sup>

## Edaptive

## The New Standard for Adaptive Signal Control

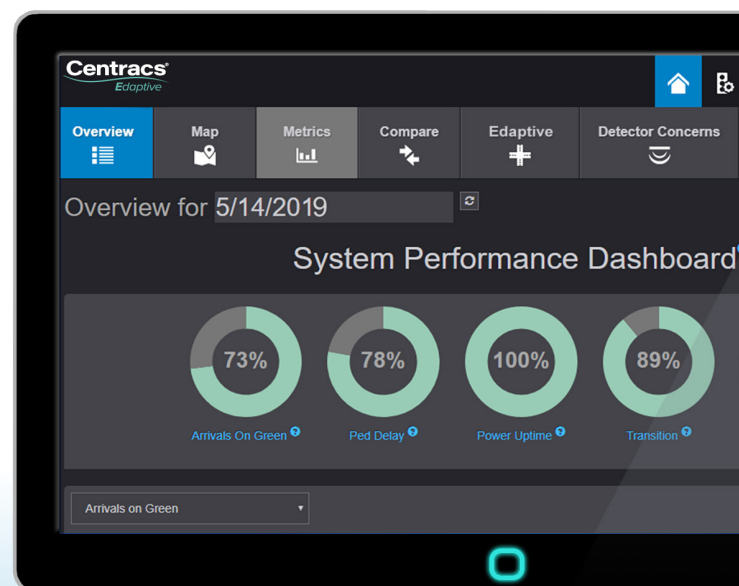
Centracs Edaptive is Econolite's next-generation **Adaptive Signal Control**, optimizing cycle, offset, and splits by using high-fidelity 1/10th-second resolution data. Data is the name of the game. Better data yields better results, with Econolite's latest cloud-based Centracs SPM. Centracs Edaptive is web-based and offers deep analytical capabilities through Centracs SPM, allowing users to quickly and easily ensure maximum performance of their signal control system.

## Edaptive: An Agency's Best Friend

Centracs Edaptive provides highly-automated real-time signal adaptation. Centracs Edaptive is a highly effective real-time adaptive signal control solution that balances sustainability and reliability with the latest in adaptive algorithms. Target applications include: corridors with highly variable traffic patterns, changing weather conditions, special events, high-priority corridors requiring maximum performance, and many others. Agencies can also make the most out of existing detection. With advanced algorithms, stop bar detectors are used to drive split optimization. Additional options exist for cycle optimization.

## Optimized Mobility: Benefits Everyone

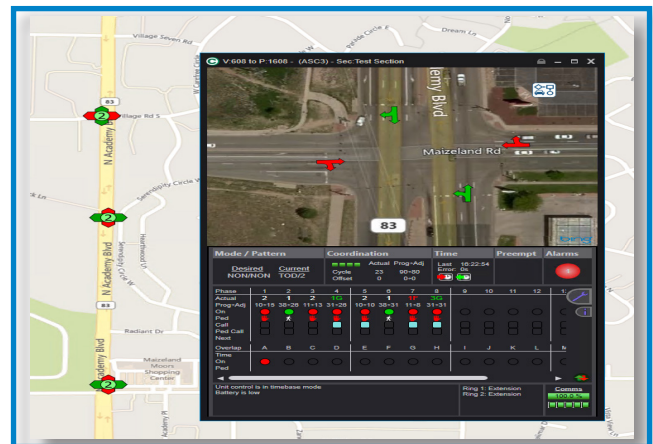
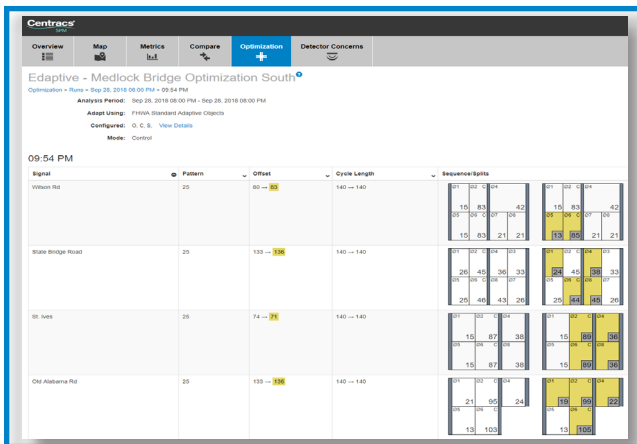
Centracs Edaptive provides real-time adaptive traffic control, which increases roadway efficiencies and reduces traffic congestion. Centracs Edaptive is a cloud-based solution, enabling the proactive optimization of traffic signals even as traffic conditions change. Optimized traffic signal timing means more green lights, enhanced safety, and shorter commutes.





## About the Module

Edaptive is Econolite's latest adaptive system optimizing cycle, offset and splits in real-time. Edaptive is built upon Econolite's latest cloud based Centracs SPM and Pattern Optimizer, providing proactive signal optimization. It is a cloud-based solution and offers deep analytical capabilities through Signal Performance Measures and 1/10th-second high-resolution data.



## Key Benefits

- ✓ Provides signal timings for real time traffic conditions
- ✓ Adapts to changes in traffic as they happen, i.e., weather, construction and major events
- ✓ Increased flexibility with existing stop bar detection
- ✓ Reduces or eliminates costs of manual traffic counts
- ✓ Provides new levels of mobility and safety
- ✓ Increases agency benefits when using Centracs SPM data

