ECONOLITE

ATMS for Traffic Operations

Centracs®
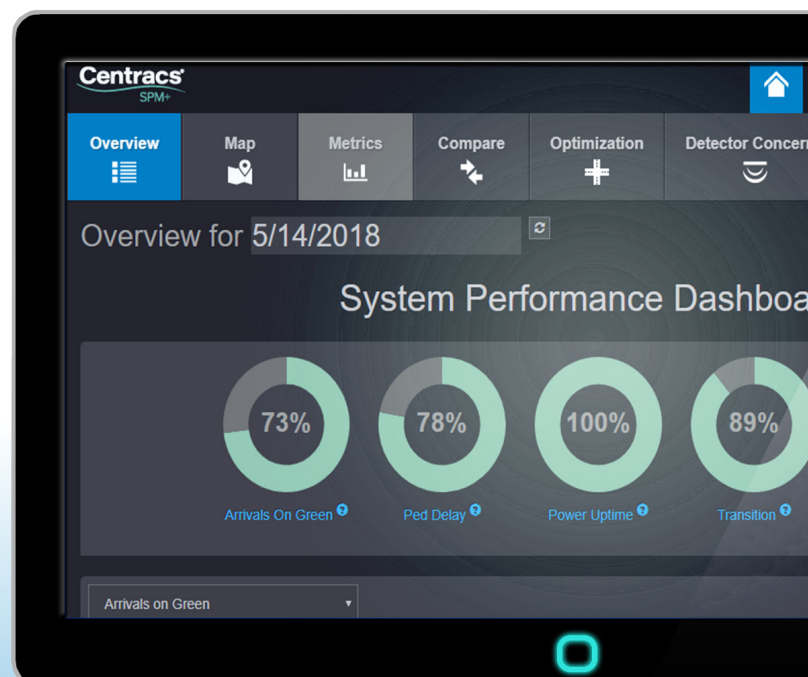SPM

What, exactly, is Centracs SPM?

Centracs SPM is a cloud-based high-resolution traffic data collection and analytics software system designed to be a robust solution that provides transportation agencies and professionals with new capabilities to proactively optimize traffic signal timing. SPM includes a background plan generator that automatically adjusts timing signal plans according to traffic conditions.

Why do agencies use SPM?

Centracs SPM is designed to Improve the operational efficiencies of traffic signal management . By providing the uninterrupted high-resolution data collection and monitoring for performance-based strategies, cities and transportation agencies can now automatically optimize traffic signal programming according to traffic conditions on a continuous basis. It also reduces or eliminates the costs of manual traffic counts.
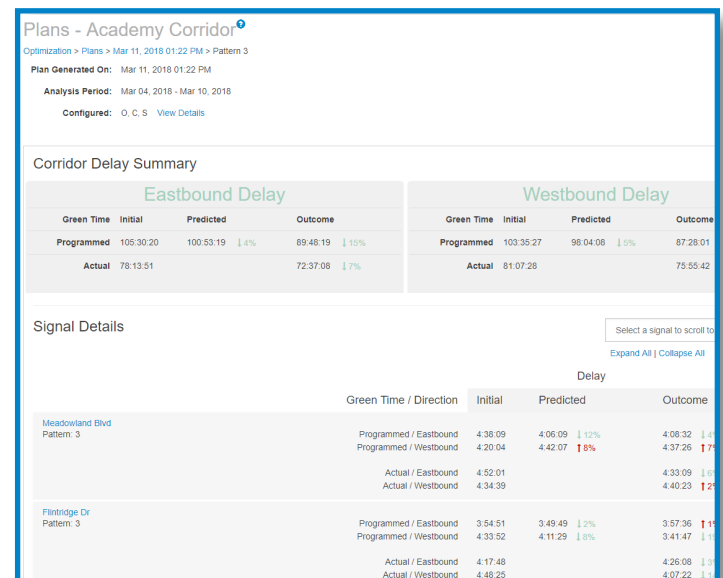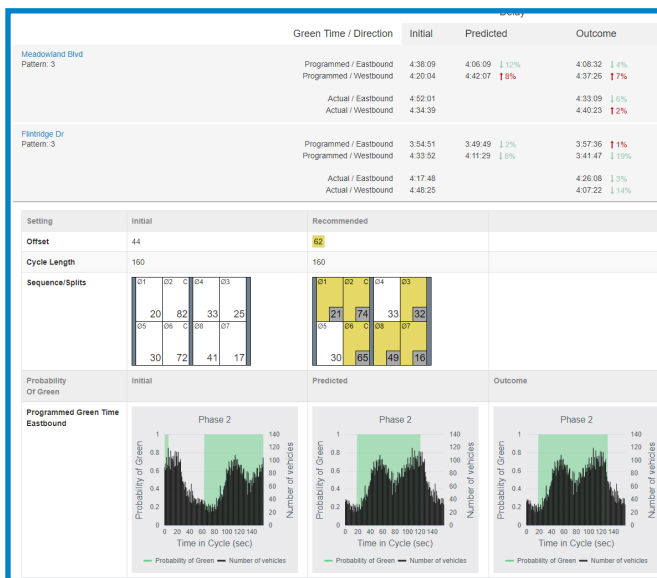
How does Centracs SPM benefit the driving public?

Centracs SPM helps automatically optimize traffic signal coordination, reducing travel times and congestion while Increasing safety. This means shorter commutes and less fuel consumption for the driving public.

Centracs®
SPM+

| Overview | Map | Metrics | Compare | Optimization | Detector Concern |

Overview for 5/14/2018

System Performance Dashboa

73%
Arrivals On Green

78%
Ped Delay

100%
Power Uptime

89%
Transition

Arrivals on Green

About the Module

Centracs SPM is a cloud-based high-resolution traffic data collection and analytics software platform designed to be a robust solution providing transportation agencies and professionals new capabilities to proactively optimize traffic signals. Centracs SPM can replace the traditional, manual time-intensive, and costly process of retiming traffic signal. Centracs SPM provides high-resolution traffic data collection and analytics that is not affected by escalating traffic count costs or limited by infrequent retiming intervals. Centracs SPM leverages the Purdue Link Pivot and Red and Green Occupancy Ratio algorithms for optimizing offsets and splits. Cycle length optimization is managed volume to capacity parameters that put the user in control of the process.

Key Features

- Offset Optimization
- Split Optimization
- Cycle Optimization
- Before and After Analysis Tools
- SPM Charts and Graphs

Benefits

- Improves Operation Efficiencies
- Provides High-Resolution Data for Performance-Based Strategies
- Reduces or Eliminates Costs of Manual Traffic Counts
- New Levels of Mobility and Safety
- Continuous Monitoring and Signal Timing Optimization

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