





**FACT:**

Over 185 Centracs systems have been sold worldwide since 2009!

## All About Systems

As Intelligent Transportation Systems (ITS) continue to fulfill the promise of increasing mobility, safety, productivity, and quality of life for all, the Econolite Group continues to be at the forefront of traffic management technology – enabling the deployment and implementation of ITS.

At the heart of any ITS program are the advanced transportation management system (ATMS) and traffic data collection solutions that bridge the critical gap between traffic control and ITS. A pioneer in ATMS and data collection, the Econolite Group is dedicated to maximizing roadway and agency resource efficiencies.

## Centracs® ATMS

### *A Centrally-Managed ATMS*

Centracs is Econolite Group's newest ATMS software. An intuitive GUI-based centralized system, Centracs provides powerful and flexible ITS management, traffic control, and data sharing in a single, easy to use ATMS platform. Centracs leverages proven and robust client-server architecture and distributed processing for adding ITS system modules. This provides unmatched return on investment through system scalability, communications, and implementation of various ITS strategies. It enables transportation agencies to scale up their ITS program and capabilities as budgets permit.



# ITS Modules for Centrac's®



## *Traffic Monitoring and Surveillance*

The Centrac's Advanced CCTV module improves operations by combining video surveillance with transportation management in a single platform. The module provides Enterprise-Class video management with support for a broad range of video manufacturers and equipment.



## *Centrac's Adaptive Traffic Control*

Econolite's adaptive control software application was developed to sample traffic data in real-time and dynamically adjust offsets and split to accommodate changing traffic conditions. It increases roadway efficiency while requiring less maintenance than optimized signal timing plans. This adaptive software's ongoing signal timing management helps agencies increase signal retiming "report card" scores, reducing the need for costly traffic studies to change signal timing.



## *Centrac's DCMS (Data Collection Management System)*

Centrac's DCMS is offered as an add-on module to Centrac's ATMS, but can also be purchased as a stand-alone system valuable in its own right. Centrac's DCMS turns new or existing Autoscope and RTMS sensors into virtual count stations that gather traffic data without interruption. The module provides accurate information useful in signal re-timing along with before and after traffic studies useful for planning purposes and re-timing activities.



## *Centrac's MMS (Maintenance Management System)*

Centrac's MMS provides agencies with maintenance and asset management tools and features designed specifically to meet the needs of ITS maintenance organizations. Centrac's MMS is offered as an add-on module to Centrac's ATMS but it can also be purchased as a stand-alone system valuable in its own right.



## *Interagency Communications and Sharing*

The Centrac's Server-to-Server option offers adjoining agencies the ability to seamlessly share data and control as well as manage arterial traffic across agency boundaries. The unique center-to-center interface enables agencies to cost effectively achieve unparalleled benefits of cooperative operations and systems management.

## *Travel Times*

Econolite now offers travel time and vehicle speed displays and reports for agencies using BlueTOAD devices for "origin and destination" travel time data.



## ITS Modules for Centrac (cont.)

### *Dynamic Message Sign (DMS) Management*

The Centrac DMS module provides users the direct and instantaneous control to update and display valuable traveler information messages. By providing timely traffic condition or incident messages, Centrac DMS can help provide congestion mitigation and increase roadway safety.

### *Advanced Measures of Effectiveness (MOE)*

The MOE module includes an array of graphical reports that combine high-density detector data with controller state information to provide traffic engineers with a new set of analytical tools for diagnosing timing problems and optimizing traffic.



## Aries®

### *A Distributed, Closed-Loop System*

Aries, in conjunction with the ASC/2M master, is the Econolite Group's Windows-based monitoring system that can meet virtually all closed-loop traffic control needs. Aries can also be used as a maintenance tool for traffic technicians to access a controller remotely in order to perform troubleshooting, as well as retrieve event logs from the master controller. ASC/2M master provides Traffic Responsive (TR) operation for automatic plan selection, as well as Time-of-Day (TOD) for predictable plan changes and TR override.

The Econolite Group continues to be at the forefront of the ITS revolution, enabling the global deployment and implementation of smart mobility strategies.

Our focus has always been to provide customers with the best possible ITS solution. Our mission, brand promise, and breadth of products reflect our unwavering commitment to provide customers with the solutions that increase mobility and enhance quality of life.

The Econolite Group of companies; Econolite, Econolite Canada, Safetran, California Chassis, and Aegis ITS combine unparalleled traffic industry experience with software, hardware, and systems engineering capabilities to provide one of the broadest portfolios of ITS solutions.