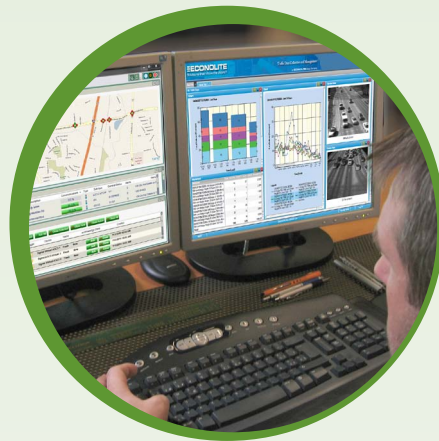


Achieving ITS Objectives with Transportation Management Systems





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.

Data Collection System

DCMS.2™

DCMS.2 is a state-of-the-art, web-based data collection and management solution that automates traffic data collection, analysis, distribution, and reporting. Interfacing with *Autoscope* products as well as other detection systems, DCMS.2 enables transportation agencies to access the necessary data to generate accurate reports, such as Traffic Monitoring Guide (TMG) measures, peak hour and capacity to quantify traffic strategy effectiveness. This helps agencies make immediate and relevant transportation management decisions that will increase mobility, improve air quality, heighten safety, and help anticipate future traffic conditions.



Centrally-Managed ATMS

Centracs®

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 system modules include:

Traffic Monitoring and Surveillance

The *Centracs* Advanced CCTV module improves operations while incorporating traffic and video surveillance on a single platform reducing the need for additional dedicated equipment, operations, and maintenance. The module is a high-speed Enterprise-Class Internet Protocol-based (IP) video surveillance solution.

Interagency Communications and Sharing

The *Centracs* 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.

Adaptive Traffic Control

Econolite's arterial-based 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.



Distributed System

Aries®

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.



