



CNTM



Flw



WITH PTV FLOWS

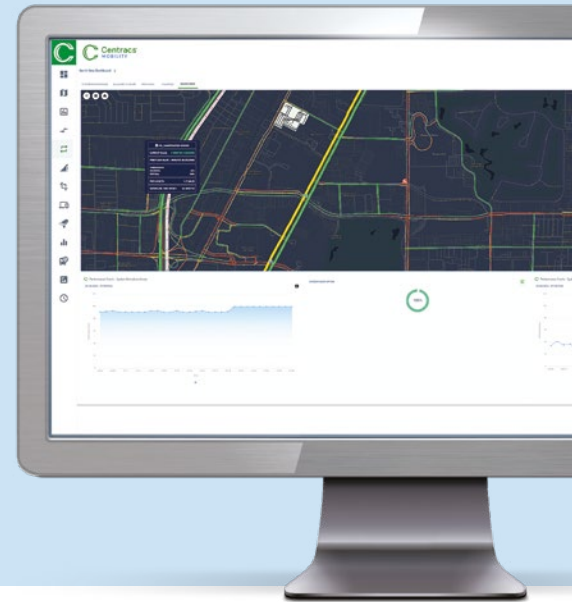
Powerful Cloud-based ATMS with
Unparalleled Forecast Capability

 **ECONOLITE**
part of Umovity

Solutions overview: Delivering new levels of traffic signal control and intelligent automation

Econolite's Centrac's® Mobility Platform, the industry-leading, secure, flexible, cloud-based Advanced Transportation Management System (ATMS) now integrates PTV Flows, the cutting-edge, predictive traffic management solution that leverages Machine Learning (ML) and Artificial Intelligence (AI) to forecast travel times without the need for any detection hardware, enabling proactive signal control decisions seamlessly across your road network.

Centrac's Mobility, now with PTV Flows, is the ONLY ATMS capable of moving traffic signal optimizations from reactive to proactive. Our new Traffic Proactive optimization module is layered on top of existing capabilities for data analytics and reporting, signal/detection management, additional optimization services, and much more.



Key features

Advanced Machine Learning

Integrates a cutting-edge, self-learning, self-improving AI model that leverages the largest set of historical traffic data available, ensuring continual refinement and accuracy for predictions.

Detectorless Insights and Control

Use current and future travel times available in Centrac's® Mobility and get instantaneous insights and signal optimization without the need for costly hardware deployment, operations, and maintenance.

Predictive Traffic Insights

Delivers real-time and predictive traffic analyses, offering up to an hour of forward-looking travel time forecasts across your road network, enhancing proactive decision-making and situational awareness.

Automated Traffic Management

Enables dynamic corridor analysis for future travel times, supporting automated adjustments in timing plans, including cycle times, offsets, and signal splits, to optimize flow and reduce congestion.

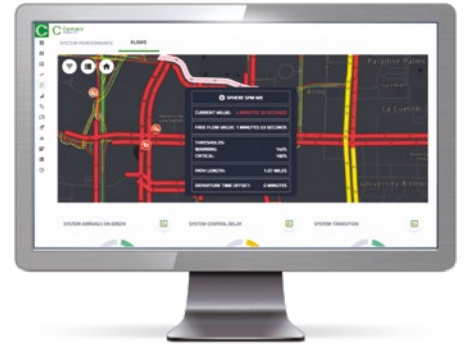
Unmatched Scalability and Data Depth

Powered by TomTom's extensive historical traffic database—the largest in the industry—this feature offers unparalleled scalability. It taps into trillions of data points from years of aggregated floating car data, covering 84 countries and over 15% of all traffic movements, for deep, actionable traffic insights.

System capabilities

Centracs® Traffic Proactive

Traffic Proactive elevates Centracs® traffic optimization by integrating Econolite's Centracs® Mobility cloud-based ATMS platform with leading forecasting capabilities offered by PTV Group. This synthesis provides real-time awareness and predictive travel time analysis, enabling proactive signal timing adjustments. It utilizes extensive historical data and AI to anticipate and alleviate bottlenecks, transitioning traffic management from a reactive to a proactive strategy, thereby enhancing efficiency and reducing congestion-related delays.



Econolite's Centracs® Mobility Platform

Econolite remains at the forefront of ATMS with the Centracs® Mobility Platform, managing tens of thousands of intersections across North America. This platform blends cutting-edge technology with operational flexibility, responding to both routine and emergent transportation demands. Its comprehensive suite ensures operational continuity, minimizes downtime, and supports various deployment scenarios, enhancing traffic management effectiveness.



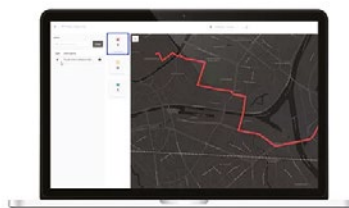
PTV Flows

PTV Flows transforms traffic management by employing advanced algorithms, machine learning, and real-time data from TomTom. It simplifies operations with an auto-updating network map and proactive alerts, optimizing signal timings and improving traffic flow. This solution scales seamlessly, utilizing a vast traffic data archive to enhance operational responsiveness without additional data acquisition costs.

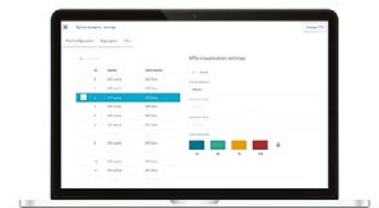
PTV | FLOWS



Self-Updating Traffic Forecasts



Predictive Automatic Alerting



Customization and Flexibility

Interested in learning more about Centrac's® Mobility with PTV Flows?

Our experts will be happy to speak with you and answer all of your questions.



Email us



sales@econolite.com

More info



econolite.com/solutions/software

Request demo



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