



ATMS

Central Transportation Management System

What is **ATMS**?

ATMS is a modular central transportation management platform that serves as the foundation of an effective ITS solution for cities, counties, and states.

Field Proven

Trafficware has over three decades of experience designing, engineering, and manufacturing the industry's most durable and reliable traffic control hardware. The company is also well known for the development of the industry's most stable central transportation management software, which has been implemented in over 200 separate systems since 1994. When deploying such a fundamental element of an agency's ITS strategy, it is important to partner with a company that has field-proven systems that stand up to the rigors and mission critical demands of a transportation management system.

ATMS

ATMS builds upon the legacy of Trafficware's flagship central transportation management platform and delivers a powerful tool for monitoring and controlling an agency's traffic control and ITS infrastructure. ATMS provides a modern graphical user interface (GUI), intuitive controls and new feature sets that maximize agency productivity and resources. Like previous versions of ATMS, this newest installment implements standards such as NTCIP and NEMA and is designed to specifications published by FHWA, ITE, IMSA, Caltrans and other industry leaders. ATMS provides a level of integration with other manufacturers and devices that is unparalleled and offers unmatched flexibility in order for the agency to maximize and leverage current infrastructure investments.

While ATMS interoperates with other manufacturers, there are numerous advantages to operate the system with other Trafficware products and leveraging Trafficware's vertical depth of ITS products. All Trafficware systems ship fully integrated and tested - both hardware and software.

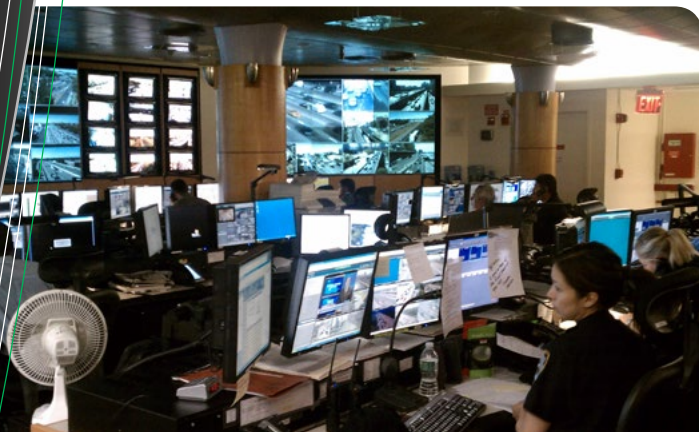
This ensures that Trafficware products can be deployed quickly with minimal integration costs. Trafficware is the only company in the industry that provides such a broad spectrum of ITS products with seamless integration.

“ATMS is another example of Trafficware investing in product development to provide the most cutting edge offerings to their customers.” – Greg Heldreth, City of Victorville, CA Traffic Engineering Specialist

Platform for the 21st Century

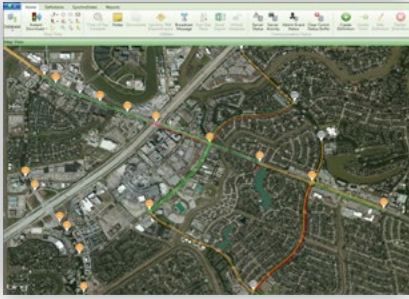
ATMS supports initiatives proposed in MAP-21 that promote the need for performance management on ITS projects. ATMS is designed to allow the user to quickly generate real time and historical measures of effectiveness (MOEs). Tools within ATMS such as level-of-service (LOS) reports, assist the agency, and provide invaluable performance data to decision-makers.

ATMS provides a global command post, providing real time data across the agency for manual and/or autonomous action.



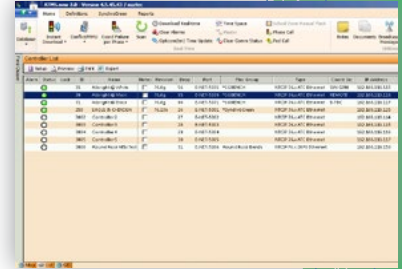
Key Features in ATMS

Modern Interface – Trafficware has created a modern, intuitive interface for our customers. ATMS is based on Microsoft standards and is immediately familiar to new users. ATMS comes standard with several configuration templates, but also has an array of customization options for power users. ATMS comes standard with “ribbon” controls featuring intuitive icons for all system commands and functions.

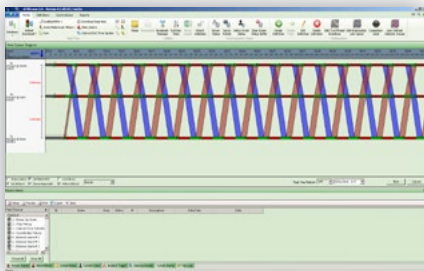


The Map View features Bing™ Maps and allows the user to view system status on roadway or aerial backgrounds.

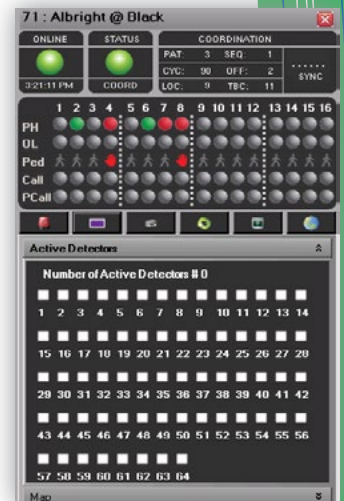
Map View – ATMS features the Map View as the default status view. The Map View graphically illustrates system status, activity, devices and performance. The Map View not only indicates traffic signal status, but also shows congestion levels (MOEs), live camera feeds, dynamic message signs (DMS), roadway closures and more. The Map



Time-Space Diagrams – The new ATMS time-space diagram has the same look and feel as the time-space diagram within Trafficware’s flagship simulation software, Synchro™ and has been a trusted tool for traffic engineers throughout the world for nearly two decades. The new ATMS time-space diagram allows the user to plot real time signal controller data by selecting a group of intersections in order to optimize traffic signal coordination.



Signal Controller Scans – The updated Signal Controller Scan improves upon Trafficware’s pioneering concept from previous versions of ATMS. The new Signal Controller Scan provides an intuitive interface and modern graphics that illustrate real time signal status. The Signal Controller Scan is designed to be a “heads-up-display” for all traffic signal activity.



ATMS Advantages

Trafficware’s ATMS provides a **global command post** for an agency’s transportation network, allowing for integration with various traffic and ITS technologies in order to optimize traffic flow and support motorist safety. ATMS integrates an agency’s traffic signal network into a single repository allowing for a 360-degree view of real time and historical traffic operational data.

ATMS features include:

- Continuous real time scanning. ATMS can manage a multitude of events autonomously, improving reach across the enterprise and facilitating a quicker response time. For example, the system constantly monitors itself and can automatically direct cameras to preset positions or execute a series of triggers that execute actions at various locations within the traffic signal system, such as pattern changes or preemption.
- Integration with other ITS manufacturers and devices, such as closed-circuit television (CCTV) cameras and dynamic message signs (DMS).
- Integration with third-party applications such as Microsoft SQL. This allows for expansive logging of system data and the ability to quickly and easily query ATMS for desired system data.
- Integration with Crystal Reports. This common reporting tool allows the agency to create custom reports that provide rich system data and performance measures.
- Integration with Trafficware’s Synchro™ Suite. This allows the user to easily import/export settings between ATMS and Synchro™ Suite.

ATMS, a Powerful Platform

ATMS is a full featured stand-alone central management system. However, it is also a flexible software platform that supports additional functionality such as Adaptive Signal Control, Fleet Management, Transit Signal Priority and Emergency Priority Response. Each module provides powerful tools and capabilities, but also leverages tools within the ATMS platform.

Ensuring a Successful Deployment

ATMS functionality and performance is a primary consideration for product selection. However, a successful long-term deployment also has to consider ease of implementation and system support over the life of the product. Trafficware has a seasoned staff of Field Application Engineers, with a proven track record of smooth ATMS deployments of all sizes, mixed communication environments, and across all leading hardware manufacturers.

The right central management system vendor requires more than just the right feature sets.

The “turn-on” isn’t the end, but instead the mid-point of a successful ATMS deployment. The deployment should also include essentials like a formal and flexible training curriculum, maintenance programs, on-the-ground field support, and a structured trouble ticket response and escalation protocol. Trafficware offers the total solution, including a feature-rich central management platform, experienced systems integration, and continued support, ensuring a successful deployment over the life of the system.

Trafficware leads the industry in pre- and post-deployment training with Trafficware University – a knowledge center that has trained thousands of people around the world with both online and classroom instruction.



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ABOUT TRAFFICWARE

Trafficware specializes in researching, designing, and developing electronic equipment and enterprise software designed to enhance the transportation industry. Our industry expertise comes from:

1. Hands on experience attained while solving traffic management challenges across the country since 1979.
2. Our in-house team including: professional traffic engineers, hardware and software design and development staff, manufacturing personnel, and customer service/field application engineers.
3. Regular dialogue with our customers to address their real-world operational issues and future traffic management requirements.

Trafficware manufactures a full line of traffic equipment in its 90,000 square-foot technology center located in Sugar Land, Texas. In over three decades of manufacturing in the USA, our products have earned a reputation for unmatched quality and reliability.