



Broadcast real-time traffic signal data to third-party technology innovators or the public

Trafficware's new Connected Vehicle module allows transportation agencies to selectively publish traffic intersection data to the public or 3rd-party developers for the growing number of Connected Vehicle applications like "Talking Intersections", which provide valuable intersection data to the driver, improve safety, reduce emissions, and more.

Data provided by Trafficware's signal controllers, sensors, and central management software, ATMS, are used to provide the state of the traffic signal, so auto manufacturers can incorporate it into telematics and in-vehicle information systems.

A growing number of communities are exploring these applications while select auto manufacturers are launching Connected Vehicle systems in 2017 and later model cars.

The subscription-based module is installed on the ATMS server or a dedicated server and broadcasts the data. This provides more security and flexibility to the agency and provides the ability to transmit data in a common format to all users.



Product Features & Capabilities

CAPABILITIES

- Securely broadcasts real-time traffic signal data in a non-proprietary format to the public or 3rd party vendors.
- Installs on the ATMS server or on a separate, dedicated server.
- Requires ATMS 2.5 or higher.
- Allows the agency to issue subscriptions to data users through a new *Subscriber* control under the *Definitions* tab of the ATMS system.
- Exports data in Javascript Object Notation (JSON) format, a standard format that transmits data objects and is commonly utilized for modern browser/server applications.

POTENTIAL USES

Reducing Fuel Consumption	Engine start/stop, ideal speed
Improving Driver Awareness	Notifications/warnings on signal changes
Improving Public Access to Information	Congestion reporting, routing
Improving Logistical Operations	Access to historical data

INFORMATION CONTENT

Signal	Times	Detects	Events	Sync
Red	Max	Ped	Preempt	Cycle
Yellow	Min	Veh	Bus	Pattern
Green	Ped	Bike	Train	Sequence
Walk	Split			
Ped Clear				
Don't Walk				

DEPLOYMENT HIGHLIGHT



Trafficware and the City of Palo Alto's Connected Vehicle deployment was a **Finalist for the 2016 Best in ITS Awards**.