

OPTICOM™ | Emergency Vehicle Preemption solutions

Change the way your city movesSM



GLOBAL TRAFFIC TECHNOLOGIES



OPTICOM™ HELPS TO SAVE LIVES AND PRESERVE RESOURCES

Emergency responders are the lifeline of their communities. Delays in arriving to the scene can put property and lives at risk. Even their own. That's why fire, EMS and police agencies choose Opticom Emergency Vehicle Preemption (EVP) solutions. GTT's reliable, scalable systems help to ensure safer, faster on-scene arrival—while maximizing resources and the investment.

Although capital budgets are sometimes scarce, there's a cost for doing nothing. Opticom helps make sure responders get to emergencies quickly and safely. With signal preemption, the likelihood of crashes can be reduced and responses can take less time. This all leads to better outcomes and savings.

REDUCE
INTERSECTION
CRASH
RATES



IMPROVE
RESPONSE TIMES

by up to
25 %*



OPTICOM™ BENEFITS

PREVENT
INJURIES

AND
RELATED
COSTS



OFFER **QUICK
PAYBACK**
ON YOUR
INVESTMENT



DECREASE
LIABILITY

FOR CRASHES
WITH OTHER
MOTORISTS



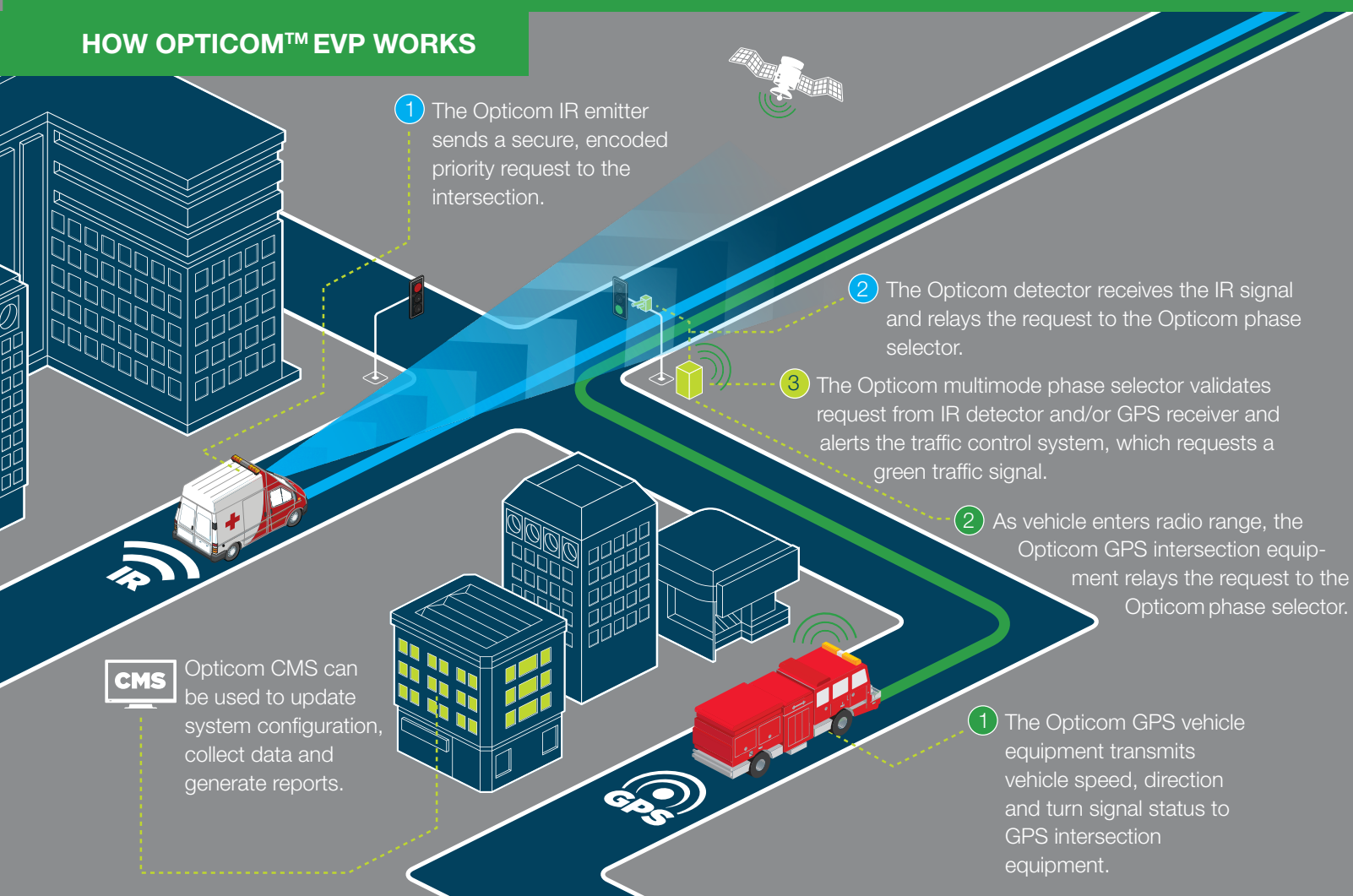
*Independent studies available upon request



GET TO THE SCENE QUICKLY AND SAFELY.

Emergency vehicles using Opticom EVP request preemption from the traffic signal when responding to an emergency. Traffic is able to move out of the way for the emergency vehicle while cross traffic is stopped from entering the responders' path. The result is fewer crashes and faster arrivals. For a complete priority control system, Opticom EVP components are designed to coexist with Opticom Transit Signal Priority solutions.

HOW OPTICOM™ EVP WORKS



POWERFUL PLATFORMS ENABLE FASTER ARRIVALS

Whether you choose the legacy IR-based systems or the most technologically-advanced GPS-enabled platform, GTT's Opticom™ EVP solutions are built to meet the needs of departments of all sizes.



SINCE 1968

Legacy solution that uses coded infrared transmitters and receivers to enable EVP via line-of-sight.



SINCE 2002

Using powerful, precise algorithms and a purpose-built radio, the Opticom GPS-enabled system allows EVP over hills and around corners, even in poor weather conditions.

HOW THEY COMPARE

	IR	GPS
Reduces intersection crash rates by up to 70%	●	●
Improves response times by up to 25%	●	●
Managed services available to keep system running optimally	●	●
Multimode operation for staggered upgrades and interoperability	●	●
Coded IR communications between vehicles and intersections	●	
Secure GPS and radio-enabled communications system		●
Ability to transmit and receive around corners and over hills		●
Minimal maintenance cost for vehicle and intersection equipment		●
Activate signal preemption based on estimated time of arrival or distance		●
Vehicle and intersection analytics for smarter operations		●
IntelliGreen system for a green light when leaving the station		●



POWERFUL TOOLS TO MAKE THE JOB EASIER

Monitor, manage and maintain your department's Opticom™ system with Opticom Central Management Software (CMS).

Opticom CMS provides real-time data, so traffic engineers can retrieve activity logs, diagnose maintenance issues, upgrade firmware and troubleshoot equipment. Beyond the numbers, Opticom provides analytics for decision-making, which improves services and increase savings. Opticom CMS reduces operating costs, improves workflow and results in fewer technician trips to the field.

Ensure a green light every time your vehicles leave the station for an emergency with Opticom IntelliGreen.

Emergency personnel can preempt signals for one or more directions of traffic when leaving the station with the Opticom IntelliGreen unit. The always-ready system uses precise, secure radio/GPS signal reliability that delivers faster performance. Intersections to the left, right or both directions can be controlled from the three-button base station unit.

SMARTER WAYS TO SAVE

GTT empowers cities and helps them solve their most critical transit problems. With innovative options for purchasing Opticom, your agency can quickly realize savings. All options can include up-front and/or ongoing managed services.



PURCHASE

Pay for the system using funds from the capital budget.



LEASE

Traditional financing, including principal and interest, just like buying a car.



SUBSCRIPTION

A long-term rental agreement, similar to leasing a car, computer or building.



BETTER INFORMED. BETTER EQUIPPED. MORE CONTROL.

When you partner with GTT, you can create a smarter transportation infrastructure and keep everyone moving more quickly and safely.

GTT works collaboratively with transit, emergency response, traffic engineering, IT teams and other key leaders to create a seamless, adaptable traffic ecosystem specifically for your community.

GTT begins by understanding your agency's particular challenges. Collaborating with your team to define the current and desired state, GTT then tailors a solution. When possible, GTT leverages your existing infrastructure to provide the desired results at the lowest possible lifetime cost of ownership. GTT's solutions provide the data you need to automate everyday tasks — and make more informed decisions that reduce emergency response times, improve public transit on-time performance and keep your city moving.

GTT solves the most pressing traffic challenges for cities of all sizes; from towns of thousands to megacities of millions, in countries around the world. GTT is ready to help your city, too.

GTT has a proven track record of solving complex and essential traffic-related challenges:

- More than 3,100 global customers
- Utilized by 41 of the 50 largest U.S. cities
- Installed in over 70,000 intersections and 70,000 vehicles
- Innovative technology leader with over 100 U.S. and international patents

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