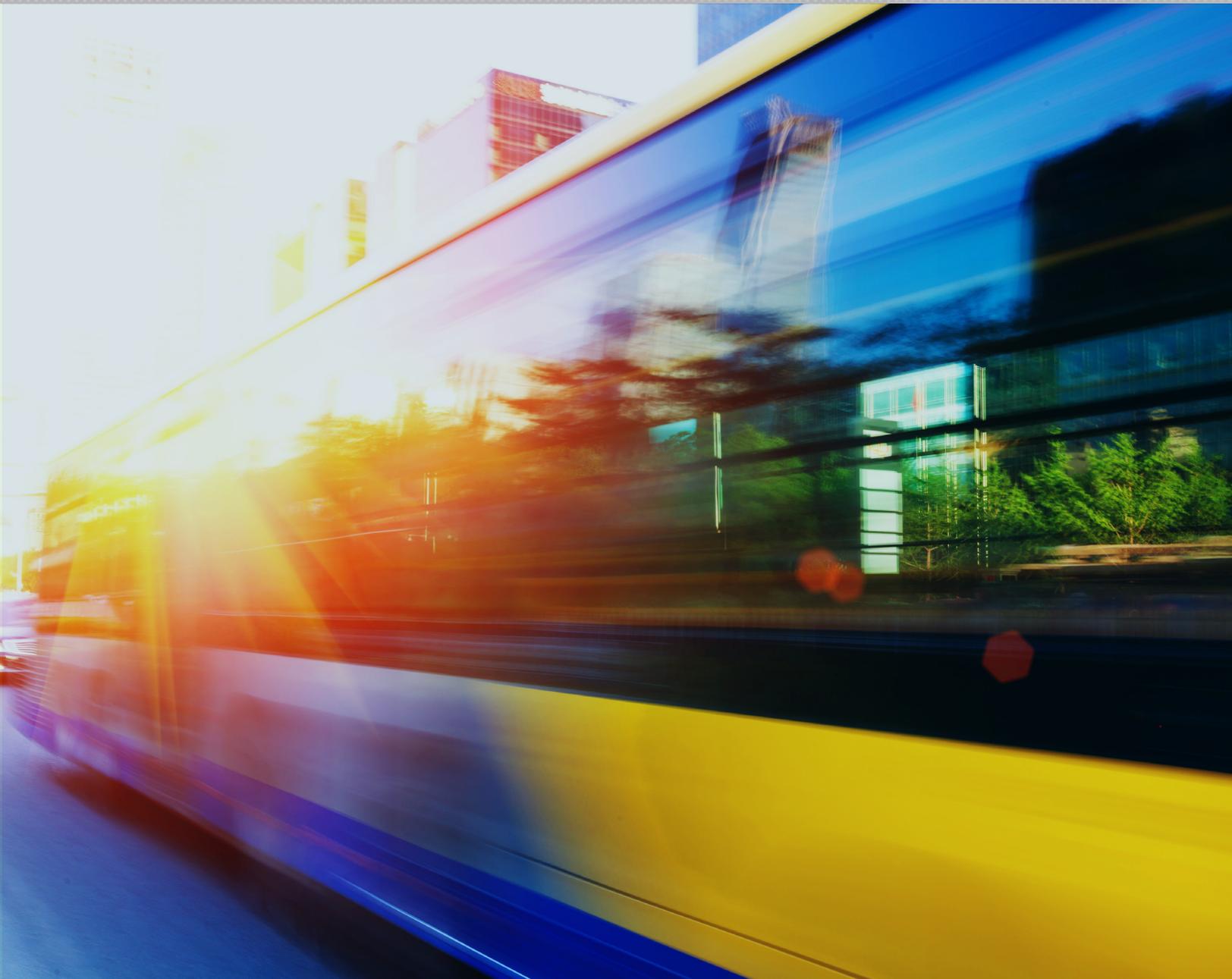


OPTICOM™ | Transit Signal Priority solutions

Change the way your city movesSM



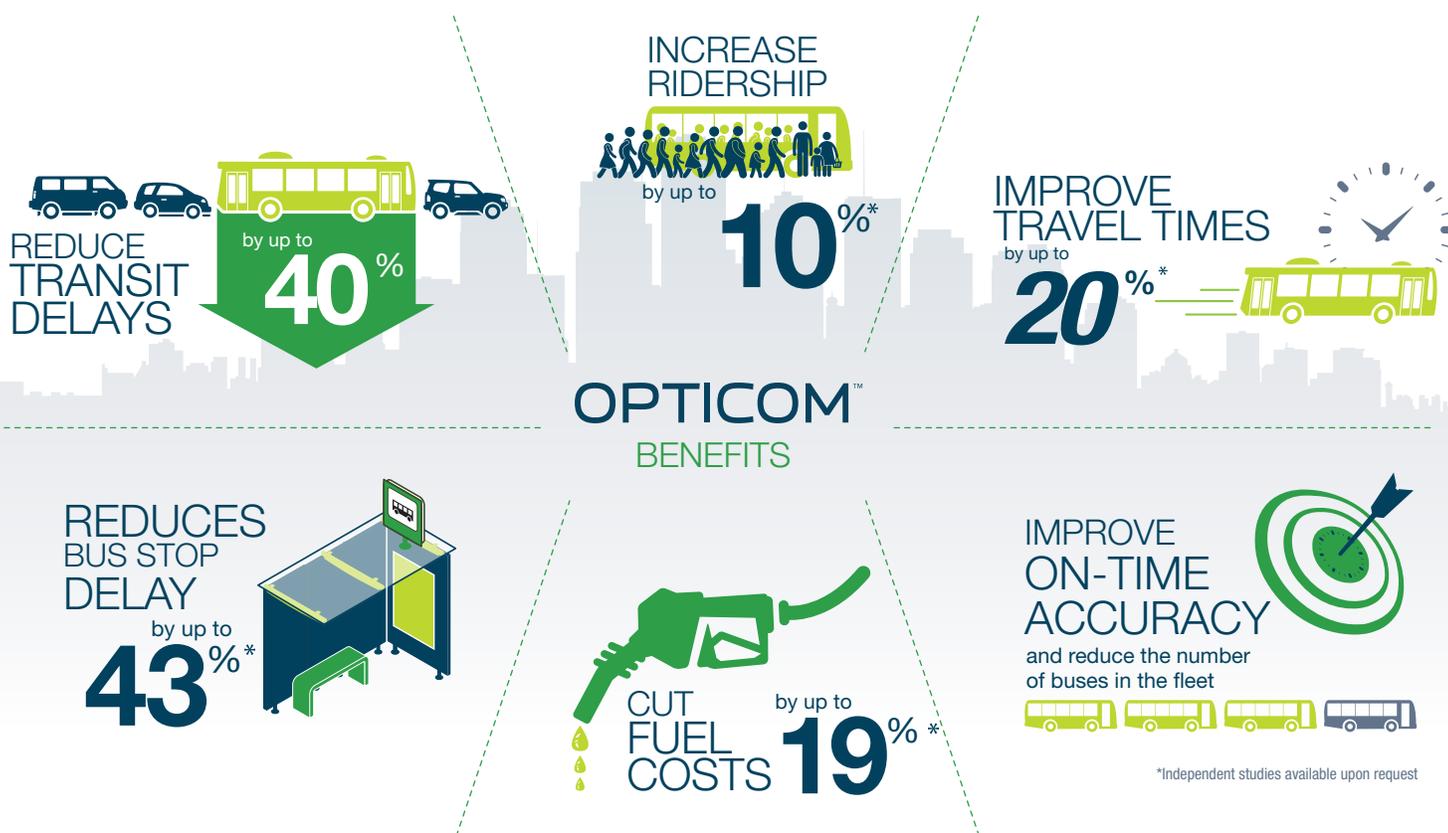
GLOBAL TRAFFIC TECHNOLOGIES



OPTICOM™ HELPS PUT TRANSIT SERVICES ON THE FAST TRACK

Commuters depend on public transit to get them where they need to go—on time. Chronic delays risk ridership, force more cars onto the road and increase emissions. That's why public transit agencies choose Opticom™ Transit Signal Priority (TSP) solutions. GTT's reliable, scalable systems help to ensure faster, more reliable transit service that can attract more riders and reduce operating costs.

Although capital budgets are sometimes scarce, there's a cost for doing nothing. Opticom helps make sure transit vehicles are on the road less, which reduces fuel costs, emissions and even the number of needed in-service vehicles. This all leads to more profitable operations.

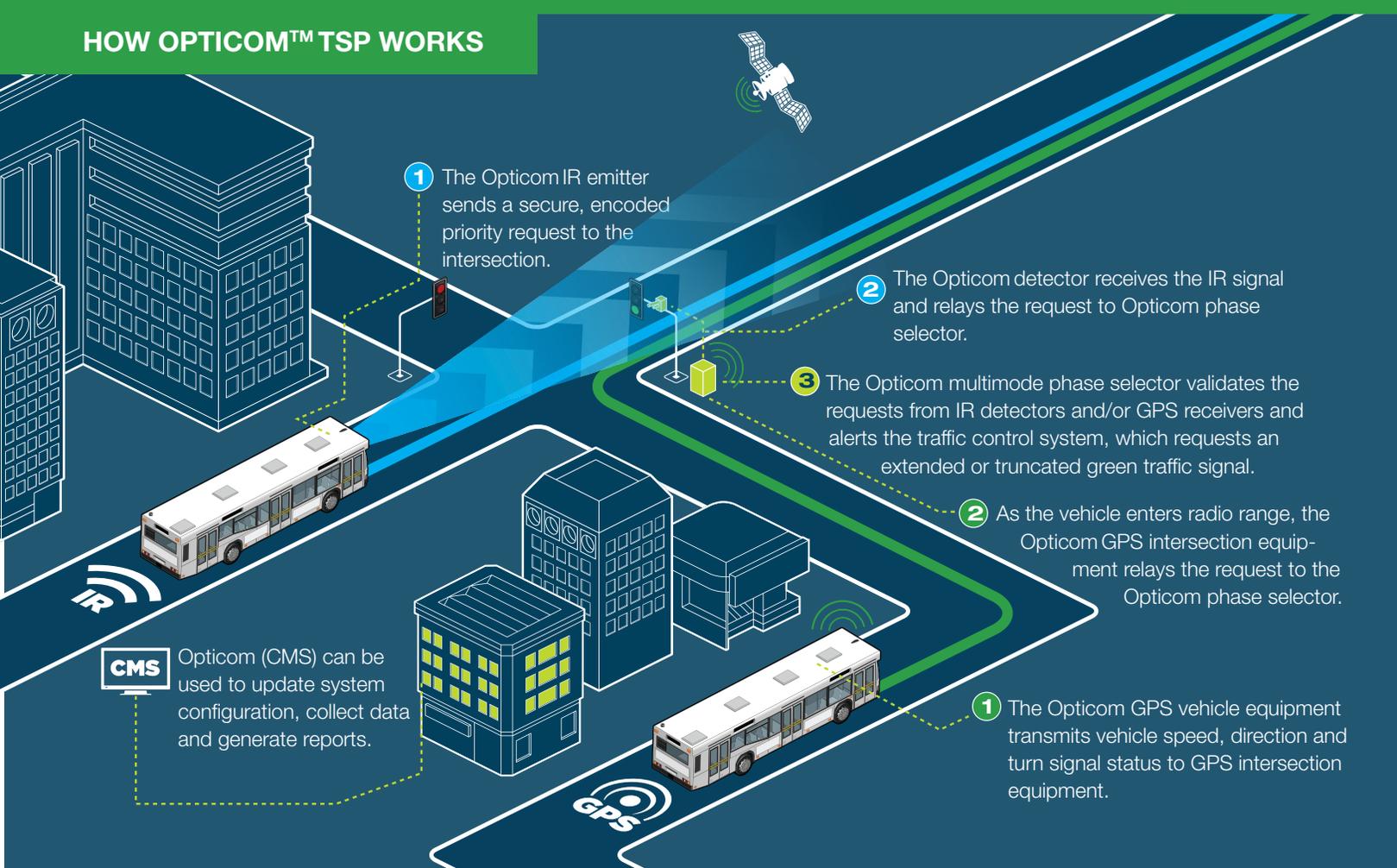




SERVICES THAT RUN ON TIME, EVERY TIME.

Transit vehicles using Opticom TSP solutions request priority from the traffic signal when they're late. TSP truncates or extends the green cycle time for more accurate schedule adherence. This allows transit vehicles to safely make up lost time without compromising traffic flow. For a complete priority control system, Opticom TSP components are designed to coexist with Opticom Emergency Vehicle Preemption solutions.

HOW OPTICOM™ TSP WORKS



POWERFUL PLATFORMS ENABLE TRANSIT SAVINGS

From legacy IR-based systems to the most technologically-advanced Connected Vehicle Platform (CVP), GTT's Opticom™ TSP solutions are built to meet the needs of agencies of all sizes.



SINCE 1968

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



SINCE 2002

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



SINCE 2014

GTT's most advanced, software-based TSP solution builds on GTT's GPS-enabled technology and adds powerful cloud-based capabilities for more control and management. The CVP adds a new level of expandability.

HOW THEY COMPARE

	IR	GPS	CVP
Allows for priority requests, reducing delays by up to 40%	●	●	●
Improves transit times by up to 20%	●	●	●
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 communication system		●	●
Ability to transmit and receive around corners and over hills		●	●
Lowers maintenance cost for vehicle and intersection equipment		●	●
Automatic schedule adherence and headway management			●
Powerful insights to monitor, manage and maintain functionality			●
Multiple connectivity options to integrate with complex transit and intersection infrastructures			●



POWERFUL DATA DRIVES SMARTER DECISIONS

Monitor, manage and maintain your agency'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 to make choices that improve services and increase savings. Opticom CMS reduces operating costs, improves workflow and results in fewer technician trips to the field.

Improve schedule adherence and headway management with Opticom Advanced Schedule Management (ASM).

Opticom ASM references uploaded schedule information and compares it with the vehicle's actual location along the route. If the bus is late, Opticom ASM requests TSP automatically. ASM also enables headway management. When buses begin to bunch together or when there's too much space between them, transit signal priority is automatically activated or deactivated, depending on what is needed.

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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