glance®



GLANCE EMERGENCY VEHICLE PREEMPTION (EVP)

Where data and green lights come together

powered by

APPLIED® INFORMATION

esri™ Partner Network Member

Emergency Vehicle Preemption

Built for Fire & EMS Operations

Emergency response delays often occur at signalized intersections. Glance® EVP clears traffic ahead and brings cross traffic safely to a stop, supporting safer, more predictable apparatus movement through intersections and improving response consistency while reducing risk for responders and the motoring public.

The Glance Solution



Clear the Way for Faster Response with Green-to-Scene™
Reliable green lights along the response route help reduce delay at critical intersections and support safer apparatus movement for both emergency responders and the motoring public.



Dual-Network Reliability (900MHz Radio + Cellular)
Redundancy ensures preemption requests are delivered even if one communication path becomes unavailable, eliminating single points of failure.



ETA-Based Adaptive Preemption
Real-time ETA tracking continuously calculates how long it will take the vehicle to reach each signal and adjusts preemption timing so the intersection is cleared and the signal turns green as the vehicle arrives.



Turn Signal Integration
When turn signals are activated, the in-vehicle device detects the vehicle's intended direction and requests the appropriate signal phase to support safe passage through the intersection.



Enhanced GPS with Dead Reckoning
Dead reckoning maintains accurate vehicle tracking when GPS signals become unreliable or obstructed, such as in tunnels, under overpasses, or inside fire stations.



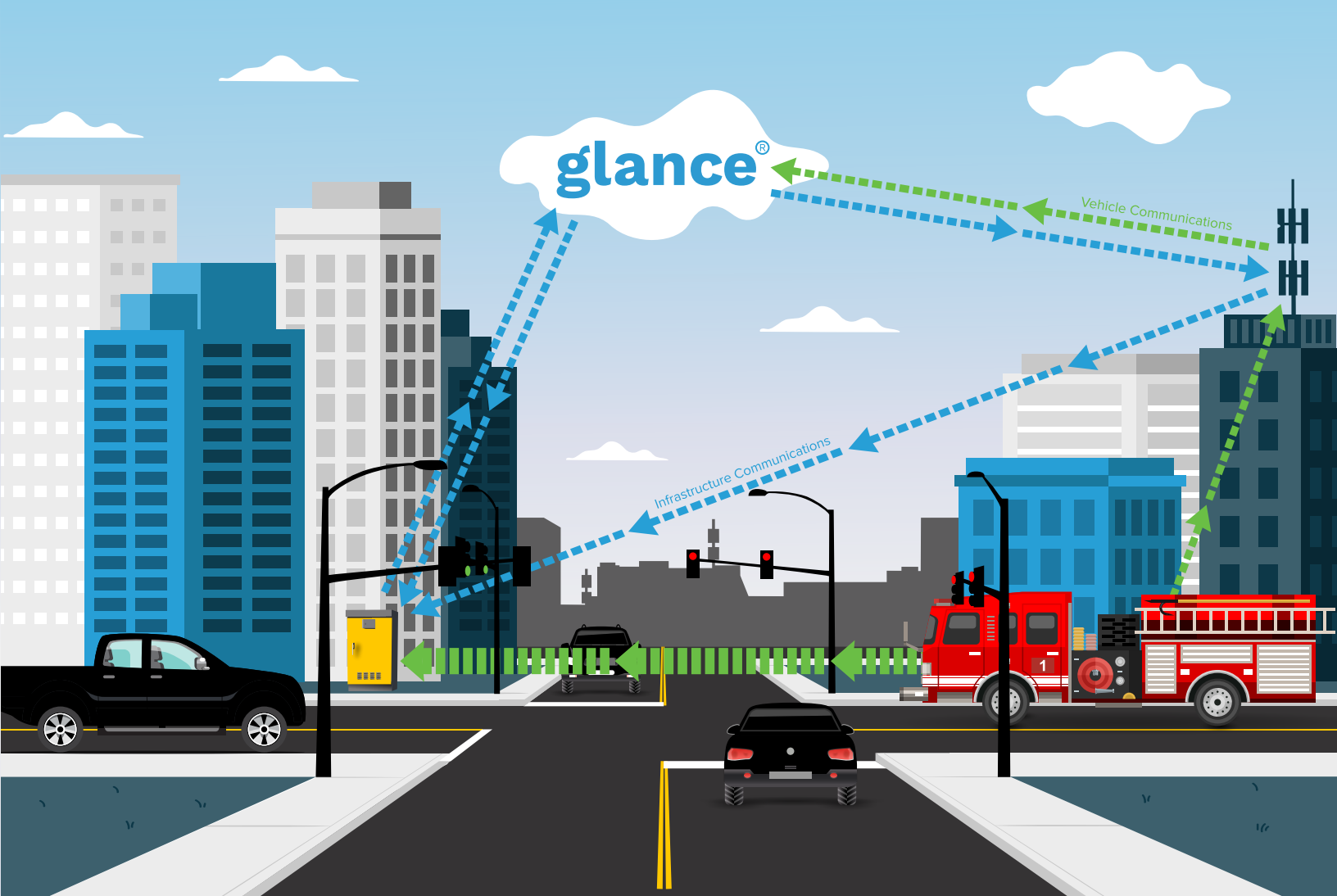
GIS-Enabled Performance Intelligence
Powered by industry-leading business intelligence tools & Esri® ArcGIS® software, Glance transforms response data into actionable operational insight through interactive dashboards and spatial analysis.



Distributed Intelligence Architecture
Preemption logic operates at the intersection level, helping ensure continued operation even when central connectivity or communications are disrupted.



Mutual Aid
Glance enables seamless preemption during Mutual Aid responses, ensuring signal priority continues when units operate outside their home jurisdiction.



Green-to-Scene

How It Works

Notify

When lights and sirens are activated, the in-vehicle unit immediately begins transmitting the vehicle's real-time location and status to the Glance system using secure wireless communication. This live telemetry allows the system to know exactly where the emergency vehicle is and how it is moving, without requiring a pre-defined route or CAD navigation.

Preempt

Using the vehicle's real-time location, speed, direction, and turn signal activation, Glance communicates directly with nearby traffic signal cabinets to request preemption. The system times the signal change so cross traffic is safely stopped and the intersection is cleared ahead of the vehicle's arrival, delivering a green light as the apparatus reaches the intersection.

Adapt

As the vehicle moves through the response, Glance continuously updates preemption requests based on the vehicle's real-time speed and direction. Because the system follows the vehicle rather than a fixed route, responders can change direction or adjust their path while maintaining signal priority along the way.

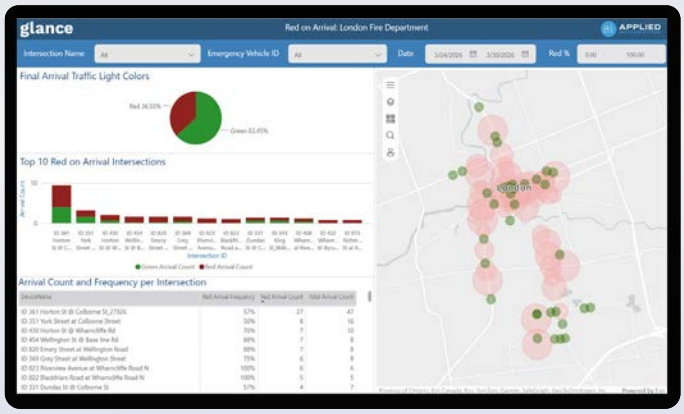
Supports ISO & CFAI Performance Objectives

The Insurance Services Office (ISO) evaluates community fire protection capabilities through the Fire Suppression Rating Schedule (FSRS), where response time reliability and operational consistency play a critical role in determining a department's Public Protection Classification.

Similarly, the Commission on Fire Accreditation International (CFAI) accreditation process — including Category 2: Deployment — emphasizes measurable response performance, consistency, and documented operational outcomes.

By improving intersection clearance reliability and providing higher-quality travel time data, Glance supports the performance metrics that influence ISO ratings and CFAI accreditation assessments. Departments gain objective evidence of response consistency, helping demonstrate operational effectiveness and continuous improvement.





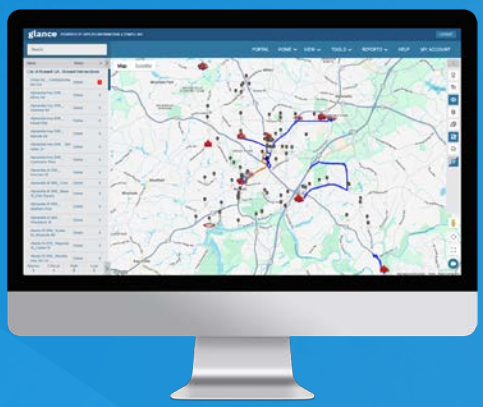
CAD Integration & Automated Response Identification *(optional)*

CAD systems record response milestones such as En Route and On Scene, but these timestamps often rely on manual status updates during active incidents. Delays or missed entries can reduce reporting accuracy and limit performance visibility.

How Glance Enhances CAD Data
Glance integrates with an agency's CAD system at no charge. One-way integration ingests CAD data to enhance timestamps with high-quality travel time insights, improving visibility and preemption reliability, while two-way integration enables Glance's second-by-second AVL data to support more accurate closest unit dispatching.

Some CAD vendors may apply integration fees, but Glance can also integrate via alternative sources such as Fire Station Alerting (FSA) systems and SQL databases. Through a Works with Glance™ approach, data can also be shared via API with RMS and third-party analytics platforms at no cost from Glance, enabling agencies to use the most accurate travel time data for NERIS reporting.

By strengthening response documentation and improving consistency in reported travel times, Glance supports informed operational review and long-term performance improvement.



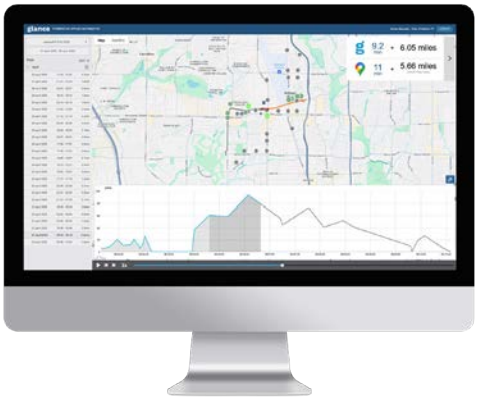
GLANCE

More Than Green Lights: Response Visibility & Accountability

Glance combines emergency vehicle preemption with second-by-second vehicle telemetry, CAD integration, and automated response milestone tracking—helping departments evaluate response performance with measurable, audit-ready insights.

Key reporting includes:

- Travel time tracking (average + 90th percentile)
- Verified preemption activity at each intersection
- Corridor bottlenecks and coverage gaps
- Mutual aid continuity across jurisdictions



PREEMPT SPEED PROFILE

Response Performance Review

Review of individual response runs confirms:

- Confirm when preemption was active during a response
- Identify intersection delays along the route
- Review vehicle progression through signalized corridors
- Compare response travel time to typical route conditions

Glance documented response runs have demonstrated measurable reductions in travel time compared to average route conditions, an operational difference that can be significant during critical incidents



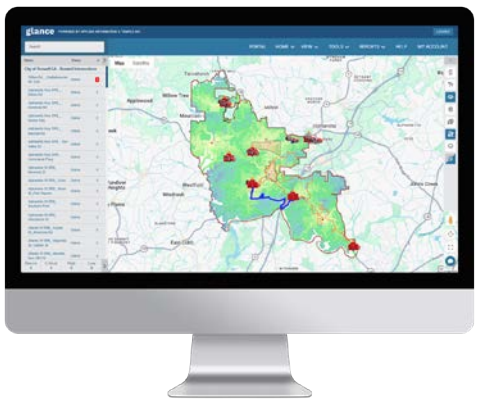
DATA INSIGHTS

Clear Performance Reporting for Fire & EMS Operations

Glance Data Insights translates verified preemption events and high-confidence travel times into clear performance reporting for Fire & EMS leadership. Departments gain visibility into response time consistency, measurable improvement over time, and the operational factors impacting travel time reliability.

Key reporting includes:

- Analyze long-term response performance trends
- Evaluate coverage gaps and deployment effectiveness
- Map emergency trip behavior across response areas
- Connect travel time outcomes to ERF and incident characteristics



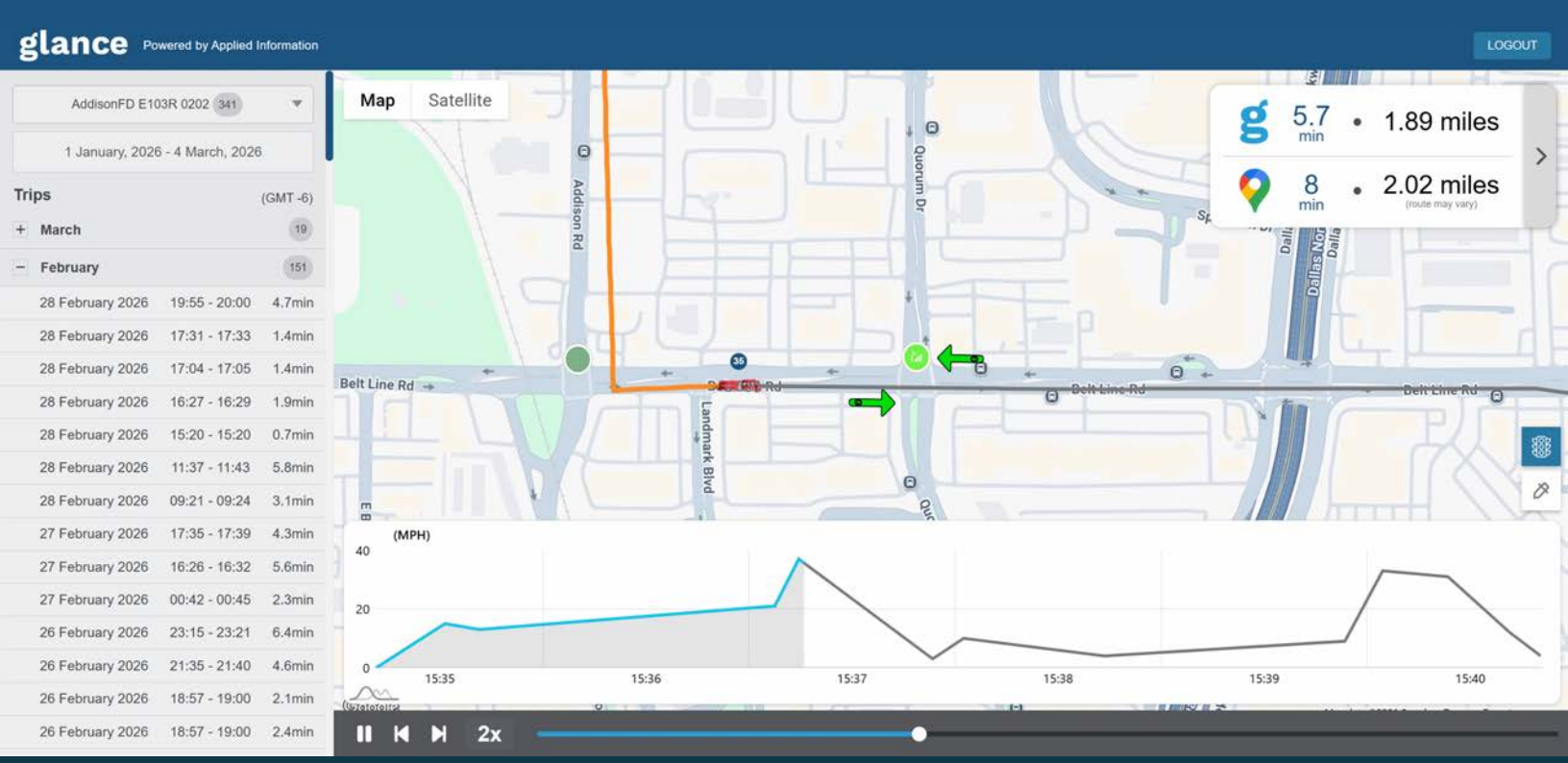
SPATIAL INTELLIGENCE FOR FIRE & EMS OPERATIONS

Model Preemption Impacts

Glance places response performance on the map, providing leadership with a spatial view of how emergency operations perform across the community.

Key spatial insights include:

- Model station placement and facility optimization scenarios
- Identify recurring bottlenecks and high-delay intersections
- Evaluate Mutual Aid response patterns across coverage areas
- Visualize before-and-after impacts of preemption deployment



Want to See Glance in Action?

Request a GIS Analysis

Schedule a tailored walkthrough of Glance GIS & Data Insights to explore:

- Verified preemption data
- Response travel times analysis
- Spatial performance insights

Schedule a Demonstration Drive

Experience how emergency vehicle preemption and response intelligence work together to support safer intersections and stronger operational performance.

Scan the QR code or contact Applied Information to schedule a consultation

Powering the Smart City

Applied Information seamlessly links all your wired, wireless and cellular ITS devices. The Glance Smart City Supervisory platform connects intersection controllers, preemption systems, school beacons, road signage, live video and more into a single, easy-to-use web-based application.

Partner with Applied Information and let our team of experts connect your organization so your transportation system can save lives, improve traffic and drive commerce.

APPLIED® INFORMATION

3000 Summit Pl, Suite 150, Alpharetta, GA 30009 • 678-830-2170 • appinfoinc.com • sales@appinfoinc.com

Glance® is a registered trademark of Applied Information, Inc. Esri marks are used herein under license from Esri.