# Proactive
# Traffic Safety

On-demand video analytics platform

TRANSOFT SOLUTIONS

TRAFXSAFE

## Understand Collisions Before they Happen

Elevate your road safety efforts with TrafxSAFE, the world's foremost on-demand video analytics platform for proactive traffic safety management. Through granular surrogate safety metrics that are readily available on a dynamic web platform, transportation engineers and planners can swiftly prioritize high-risk locations, identify key crash factors, and assess the efficacy of countermeasures - all without waiting for crash data. TrafxSAFE is used worldwide, providing unparalleled insight and enabling effective action to enhance traffic safety outcomes.



# Benefits

TrafxSAFE is a comprehensive analytics and communication tool that puts engineers in the driver's seat, empowering them to gain a deeper understanding of traffic patterns and road user behaviours associated with crash risk, which allows for faster identification and implementation of countermeasures.

### Proactive

Enhance crash data with safety analytics to quantify conflicts, analyze potential collisions and identify the causes, allowing for countermeasure implementation and mitigation before the collisions happen.

### Automated

Automating the processing of detecting traffic and safety analytics ensures reliability, consistency, and efficiency.

### Versatile

Our system takes in video from virtually any camera or video source (including drones and 360° cameras), resulting in an easier and more flexible deployment.

### Scalable

TrafxSAFE can be applied to evaluate a single intersection, a corridor, a full city or even larger system.

### Data-Driven

Collect your data in video and process using AI – all analytics and outputs are based on your real data, capturing details on traffic flow, safety-related events, non-compliant behaviors, and other trends to ensure a data-driven approach to actionable insights.

### Comprehensive

Every road user passing through your video view is detected, identified, classified, and analyzed across 14 classifications, including bikes, pedestrians, and scooters – ensuring the most vulnerable road users are incorporated into safety decision-making.

# Applications

## Reveal Previously Unseen Safety Concerns

Evaluate a single intersection or localized site to better identify existing safety risks beyond crash history, such as:

- Conflicts
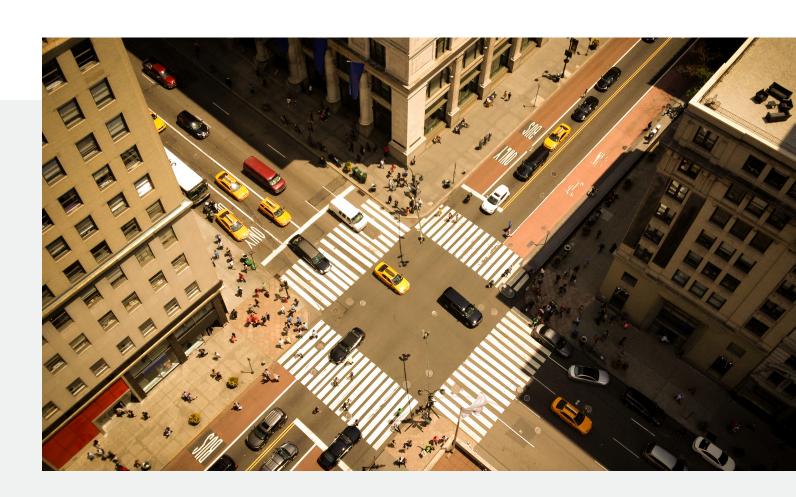- High Speeds
- Violations

## Prioritize Safety Investments

Utilize conflict analysis to identify high-risk locations and prioritize investments for various safety programs, including:

- Vision Zero
- Road Safety Audits
- Safe Routes to School

## Validate Safety Improvements Quickly

Conduct before-and-after conflict analysis to justify investments without waiting years for available crash data:

- Quantify impact of improvements
- Validate countermeasures
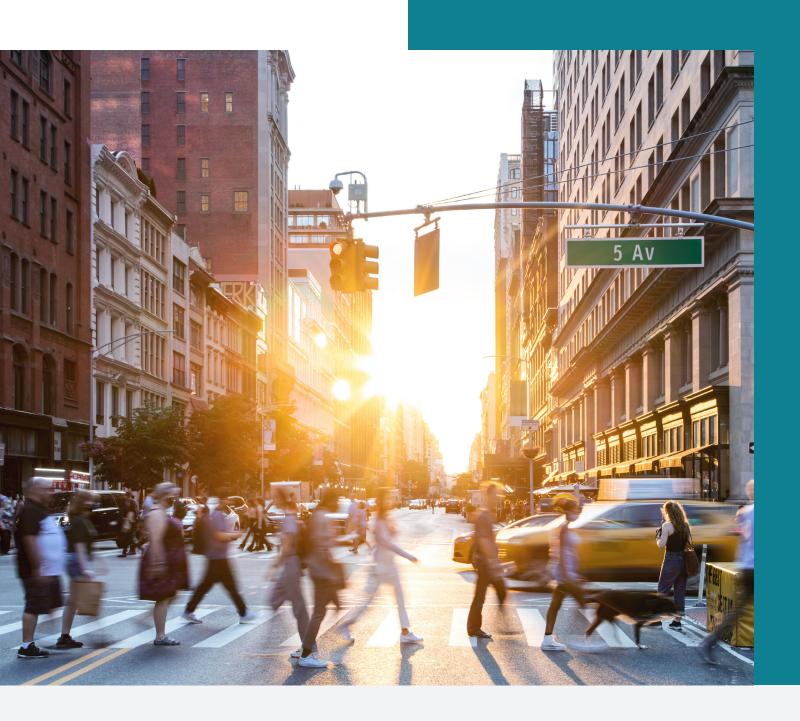
## Enhance Planning & Design Processes

Use conflict analysis to unlock actionable insights and incorporate safety into the decision-making process for all of your projects:

- Roadway design
- Corridor studies
- System plans
- & more

# Supported Browsers
# & System Requirements

For details on supported browsers and system requirements, please visit the product compatibility section using the QR code below.



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