

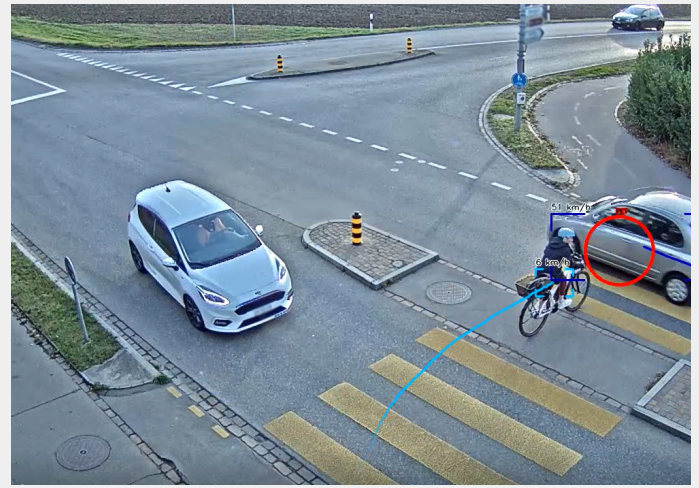


Proactive Traffic Safety

On-demand video analytics platform

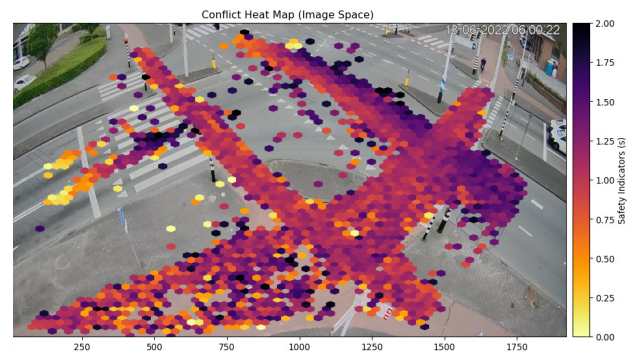
Understand Collisions Before they Happen

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 prioritise 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.



Distinctly Proactive

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



Fully Automated

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



Highly 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.



Truly Scalable

TrafXSAFE can be applied to evaluate a single junction, 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 by Design

Every road user passing through your video view is detected, identified, classified, and analysed 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 junction or localised site to better identify existing safety risks beyond crash history, such as:

- Risks for vulnerable road users
- Conflicts
- High Speeds
- Violations

Prioritize Safety Investments

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

- Active and Sustainable Mobility
- 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
- Micromobility studies
- & more





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