

SAFE TRAFFIC

Vision Zero leans on the implementation of new sensing and analyzing technologies powered by AI. FLOW traffic intelligence provides a full-stack of features to detect, analyze and react to dangerous situations.

FLOW. INSIGHTS

Accelerate Vision Zero
to the next level



Near misses

Analyze traffic situations using precise real-time trajectory data. Detect collision points with multiple safety indicators and identify problematic areas.



Evidence-based

Catalog individual incidents to investigate their causes and statistically analyze the overall safety performance of the monitored area.



C-ITS readiness

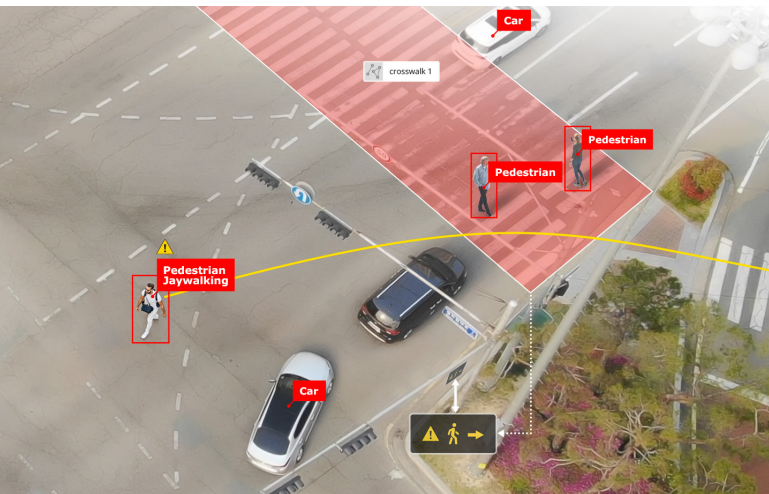
Broadcast safety messages or receive traffic controller status to promptly identify red-light violators via J2735. Initiate a new era of traffic safety.

 **DATA FROM SKY**

For more information, visit www.datafromsky.com

01 Saving lives with insights

Gain profound understanding of road user behavior to pinpoint dangerous locations, recognize imminent collision risks, and implement intelligent accident prevention measures. FLOW enhances safety through precise PET and TTC estimations, comprehensive GAP analysis, and swift detection of heavy braking events.



03 Detect vehicle incidents

Identify vehicles engaging in unsafe behaviors such as driving in the wrong direction, obstructing traffic, or running red lights, and take immediate measures to prevent potential collisions. Advance towards Vision Zero with our AI-driven tools, crafted to proactively enhance road safety.

Features

Video analytic engine

17 object categories including VRU | Precise position
ALPR | Multi-camera tracking

Trajectory processing engine

PET | TTC | Speed data | GAP data | Conditional evaluation
Fully configurable

Visualization tools

Fully customizable live dashboards | Collision point maps, counts, tables, heatmaps and historical data | Image/video evidence

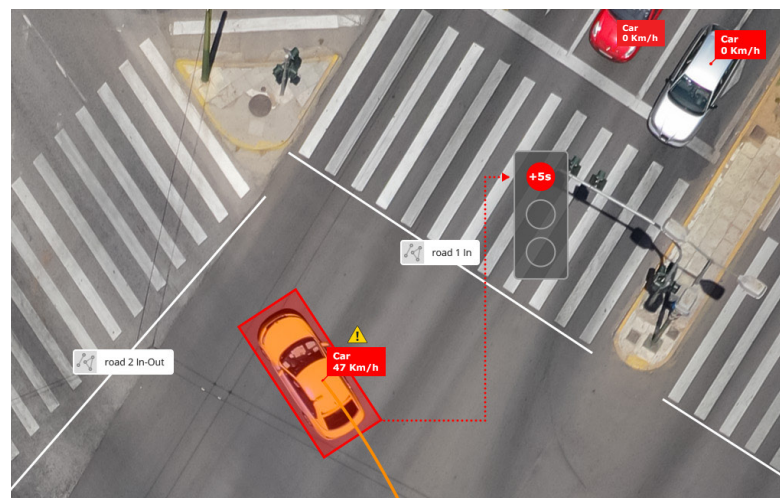
Interfaces

NTCIP | J2735 | WEBHOOK | UDP | REST
IO or SDLC expanders



Enhance pedestrian safety

Identify hazardous scenarios, such as pedestrians crossing outside designated crosswalks, sprinting through red lights, or failing to reach the opposite side within a set timeframe, and take swift action. Improve safety through immediate dissemination of warning messages or adjustment of signal timings.



Solution

XRoads

The most powerful traffic video analyzer for intersection management. It is an embedded device intended for installation in traffic controller cabinets. Capable of processing up to 14 camera video streams and supports various communication options (NTCIP, J2735, UDP, and more).

TrafficEnterprise

Server-based solution for analyzing the massive number of streams from camera networks. Integration with common video management systems. Powered by FLOW.