



# Integrator AI: Revolutionizing Traffic Management

Our end-to-end solution seamlessly integrates with transportation infrastructure, providing real-time traffic flow management, incident detection, and automated safety applications. Collecting data from multiple sensors enables actionable responses to insights, creating an agnostic and scalable system.

 **by Kevin Yorke**

# Real-time Incident Detection



## Accident Detection

Our system identifies accidents in real-time, allowing for quick emergency response.



## Emergency Vehicles

Emergency vehicles are detected and given priority, minimizing response times.



## Vulnerable Road Users Detection

Keeping our most vulnerable road users safe by analyzing vehicle, pedestrian, and cyclist data in real time translating the conflict to the traffic controller to instantly deploy preventative measures.



## Weather Conditions

Dense fog, rain, or snow is identified with real-time AI cameras and Lidar even in low visibility conditions.

# Automated Real-time Safety Applications

## Incident Management

Our system automatically detects incidents, alerts responders, and provides real-time updates to the traveling public.

## Vulnerable Road User Recognition

We can recognize vulnerable road users vs vehicle and issues a detection to prioritize the vulnerable users to increase safety while crossing the intersection.

## Speed Enforcement

Real-time speed detection with automatic alerts and customizable settings to enforce speed limits.

## Pedestrian Safety

Integrated pedestrian detection and alerts for drivers to prevent accidents in busy areas.

# Specialized Connectivity for Legacy Systems

## Increased Features

Integrator AI adds new features and specialized connectivity between new and legacy systems.

1

## Consolidation of Systems

Our software can be installed on existing hardware, providing specialized connectivity and consolidation of new and legacy systems.

2

## Streamlined Communication

Our system breaks down communication barriers, saving time and resources between different systems.

3

# Seamless Installation



## Intelligent Cameras

The Integrator AI can be installed on intelligent camera systems to improve their capabilities and create a consolidated system.



## Lidar Systems

The software is designed to integrate with lidar systems to create an agnostic and equitable system across transportation infrastructure.



## Signal Controllers

The system can be sideloaded onto existing signal controllers, turning them into agnostic analytic and connectivity powerhouses.

# Agnostic System

## ① Flexible Integration

Our system is designed to integrate with existing equipment, regardless of manufacturer, type or format.

## ② Unbiased Analysis

The agnostic system analyzes data from all sources without bias, providing equitable and scalable insights.

## ③ Customizable Architecture

Integrator AI's customizable architecture allows for a unique and tailor-made solution for each of our clients.

# Application Builders

## Built-in

- Customizable reports and dashboards
- Automated Safety Response
- Intuitive User Interface

## Advanced

Our system also provides advanced application builders to help our clients create and seamlessly integrate their own custom efficiency or safety solutions.

# Scalable and Sustainable

## Reduced Labor Costs

Automated detection and analysis reduces manual labor requirements, reducing costs.

## Improved System Integration

Seamless integration allows for a reduction in hardware requirements of multiple systems.

## Reduced Emissions

Intelligent, automated route optimization solutions reduce congestion, which reduces emissions.

## Sustainable Traffic Management

Integrator AI promotes sustainable traffic management by providing scalable integrated services.