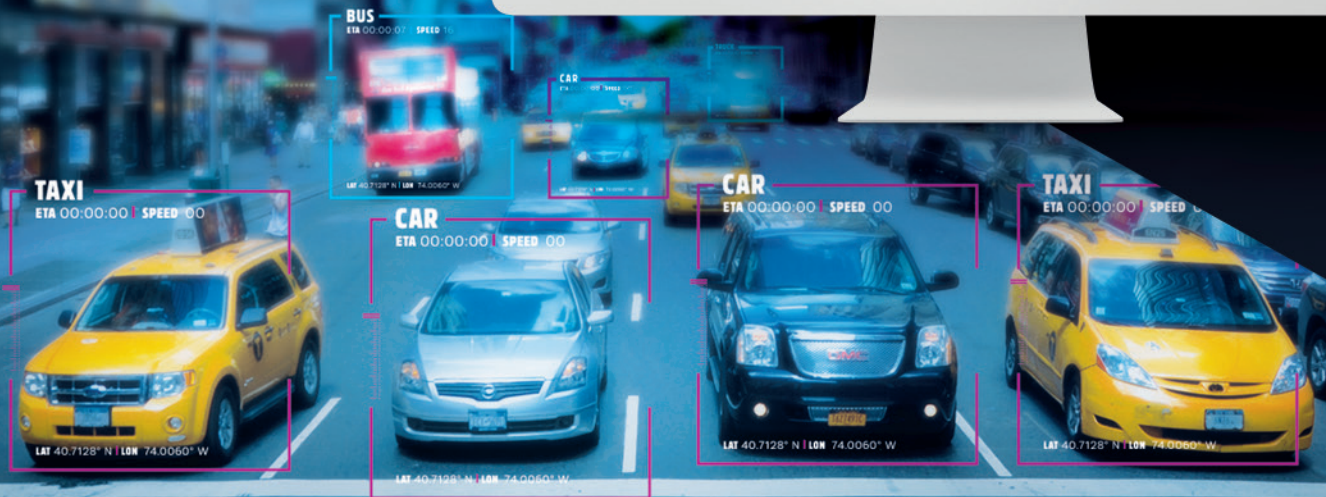
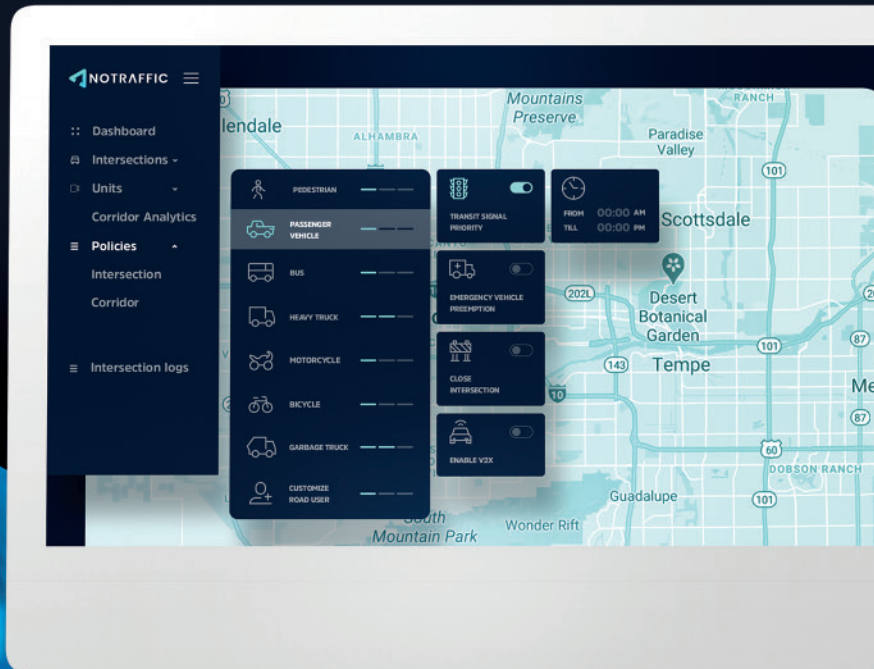


NOTRAFFIC PLATFORM

# Detection and Analytics Overview



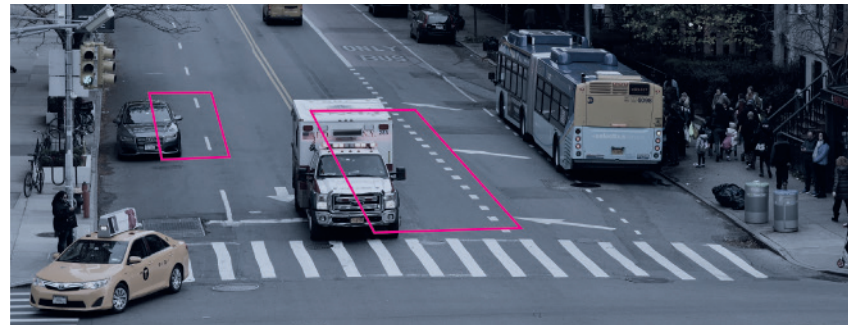
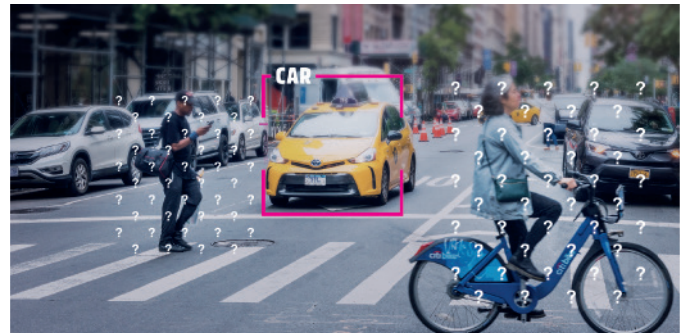
## THE PROBLEM

# Inherent drawbacks of legacy detection

- ▶ Cannot adapt to environmental challenges: inclement weather, snow, rain, night, shadows, reflections, fog, occlusion.
- ▶ Designed for vehicles and cannot accommodate current and future challenges - pedestrians, bikes, scooters, Connected, Autonomous, Shared and Electric (CASE) vehicles.
- ▶ Legacy detection requires intensive maintenance. If the camera moves slightly – detection zones go out of alignment requiring manual maintenance.

You are not alone. Do your citizens complain about missed detection? Do you have safety or operational issues due to missed or false calls? Many agencies experience major impact on safety and traffic operations due to inadequate, legacy detection.

All legacy systems are built on static models designed for specific conditions and cannot possibly adapt to localized detection challenges.

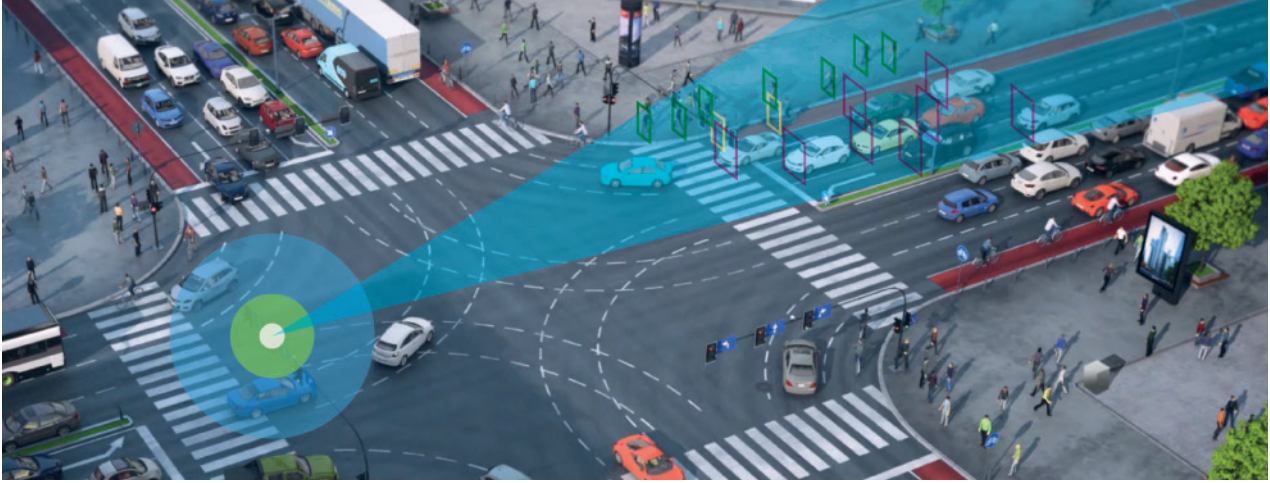


## THE SOLUTION

# The NoTraffic Approach

NoTraffic's groundbreaking, edge-based artificial intelligence sensors provide unparalleled roadway user detection and classification accuracy.

NoTraffic smart sensors leverage multiple inputs of next generation video and radar, coupled with the most advanced artificial intelligence edge processors and algorithms never before applied to Traffic Operations.



# How we do it

## AI DETECTION SENSOR

**Installed for each intersection approach to provide road-user detection and classification.** Users are classified at a human-eye level (bikes, pedestrians, trucks, buses, cars, emergency vehicles, etc.) NoTraffic's AI DETECTION SENSOR fuses machine vision + radar inputs into AI algorithms eliminating all of the challenges of legacy detection.



**NoTraffic's detection app platform** includes high-accuracy detection, analytics, communications and monitoring service.



**Self-calibration** eliminates the need to re-align sensors or manually update detection configurations.



**AI-powered Detection** continuously improves accuracy with active learning mechanisms to eliminate all detection challenges.



In addition to unparalleled detection accuracy, NoTraffic detection provides a suite of analytics that include **highly accurate counts and classifications of all roadway users and traffic movements.**



Unlike any other detection system on the market, **NoTraffic includes 24/7/365 monitoring by our Network Operations Center** insuring the highest level of detection performance, uptime and support.

**24/7/365**



**MONITORING AND SUPPORT**

Once you have installed the NoTraffic system components, additional traffic apps are simply enabled through the **Notraffic Virtual Management Center** dashboard.

