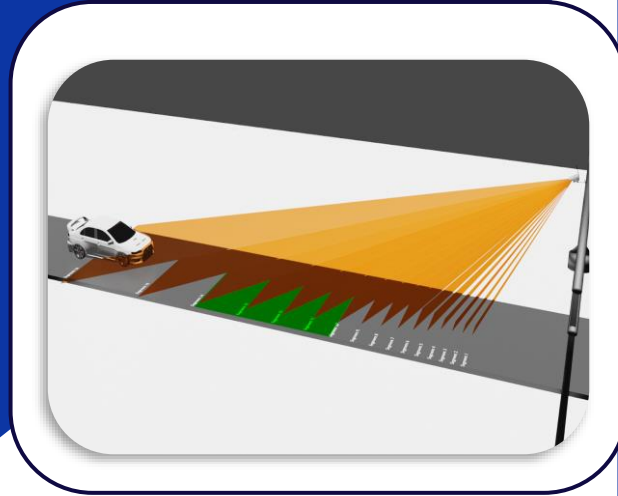# U-Turn Enforcement

Turnkey Technology
Highly accurate AI/Machine Learning software for detection & analytics

Comprehensive Evidence Capture
High-resolution images with privacy masking of human faces & non-violating images

End-to-end Solution
Vehicle detection & classification to identify vehicles making illegal U-turns

"The reality of increased urbanization is that not everyone will follow the rules at all times to make our Cities safe. Illegal U-turns are one example where the actions of selfish motorists lead to unsafe and dangerous consequences. In a bid to stamp out this activity, the Government of Singapore turned to SenSen for a solution that is portable, discreet and highly accurate. After proven performance in Singapore, it's now in demand from Smart Cities worldwide."

Subhash Challa, CEO, SenSen

ATT GROUP

"Solution has reduced reliance on manpower by achieving higher efficiency in conducting video analytics for U-turn enforcement.*"*

ATT Systems Group, Singapore

Why U-Turn Enforcement

SOLUTION OVERVIEW

Our fixed-camera U-turn enforcement solution uses ANPR as the primary analytic to detect illegal behaviour by motorists. Edge processors continuously monitor all vehicles within camera view. The solution helps to maximize the efficiency of road networks by enforcing compliance with road rules.

SOLUTION HIGHLIGHTS

- 2 x U-turn cameras
- Invisible IR Illuminators synchronized with cameras
- Pure video-based, highly accurate detection of all categories of vehicles
- Ability to detect vehicle from multiple profiles – frontal, rear & sideways
- Ability to detect vehicles independent of number plate

KEY FEATURES

- Advanced vehicle detection
- Fully integrated infringement detection platform
- Exceptional performance even under low-bandwidth conditions, no downtime
- Highly secure data transfer over available network
- Generates video evidence
- Fully functional back-office system for two-level infringement review
- Seamless integration with central system for infringement data transfer

KEY BUSINESS OUTCOMES

- Reduced road blockages
- Sufficient queuing space
- Junction clearing from downstream congestion
- Reduced bus lane violations
- Improved travel time & reliability
- Decreased flows of conflicting traffic