

Intersection Management System

Connected everything



Introduction

Wipro's Intersection Management Solution addresses safety at intersections through monitoring and surveillance, integration with public traffic control systems and reporting of any incidents, with algorithms capable of managing traffic flow towards uncontrolled intersections and connected Vehicle-to-Infrastructure (V2I) communication.

As intersections are highly accident prone, proactive traffic monitoring solutions along with connected infrastructure is the key

Key takeaways



On-the-edge surveillance of intersections with optimum number of video cameras leaves no blind spots. An anomaly is detected, and alarms are raised



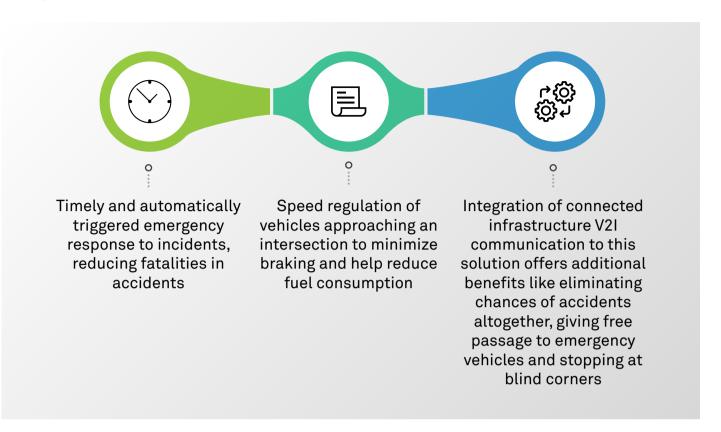
Any vehicle-pedestrian, vehicle-bicyclist, vehicle-vehicle proximities resulting in accidents are reported, ensuring emergency response from city transportation authorities



Algorithms capable of computing the speed of incoming vehicles to manage the traffic influx to intersections



Key benefits



Features



2D / 3D map of the intersection with real time depiction of moving objects



Checking behavior of pedestrians, vehicles and bicyclists for any anomalies which may lead to losses or traffic violation as per TAA (Traffic Adjudication Act) in different geographies

The solution including the sensors and compute platform is compliant with the standard regulations on Intelligent Transportation Systems (ITS)





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