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SURVEILLING THE HIGHWAYS
FOR THE GREATER GOOD....

Highways play a major role in private transport and logistics. The downside is that traffic still causing too many accidents, injuries and deaths. Real time traffic analytics give better intelligence to authorities to manage the traffic more proficiently. Automated traffic analytics using AI and ML help authorities to work directly on appropriate data inputs to improve overall safety and speed.
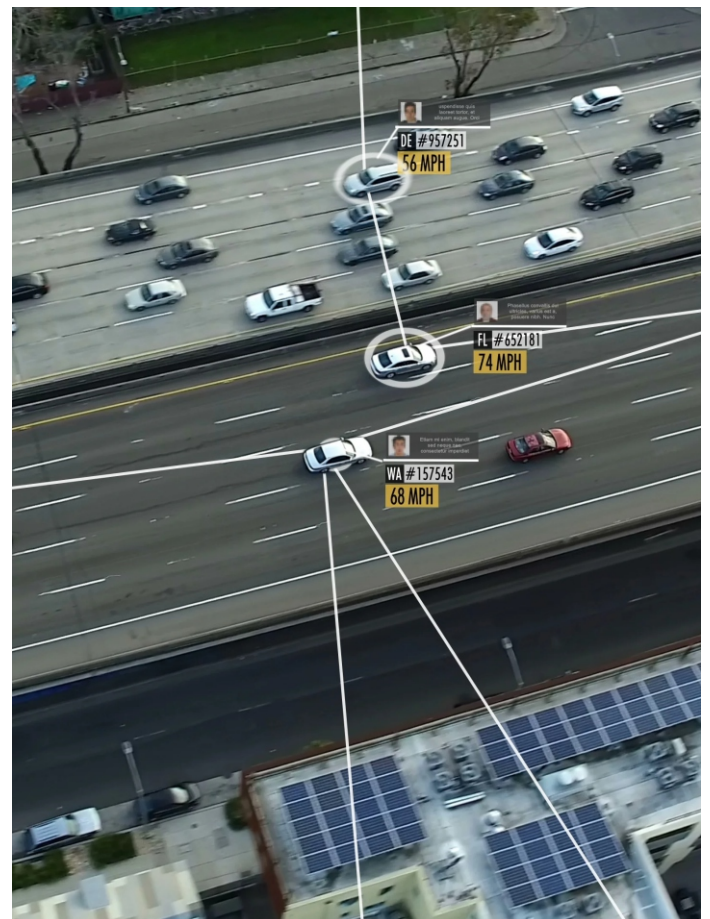
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Complete and prompt implementation of Smart Surveillance on the highways can lead to a paradigm shift for citizens and governments to benefit.

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Highways are an essential element of any country- as a means of connectivity and economic extension. Considering the supreme importance, it is only right to have effective systems watching these roads. Traditional traffic management systems are efficient for individual tasks but do not provide accurate and reliable comprehensive solutions in all light and weather conditions. A lot of such obstacles and developments including the increasing traffic and resulting accidents demand 'smart eyes' or 'smart surveillance' to detect and prevent traffic violations, accidents, and crimes or to track the vehicles involved.
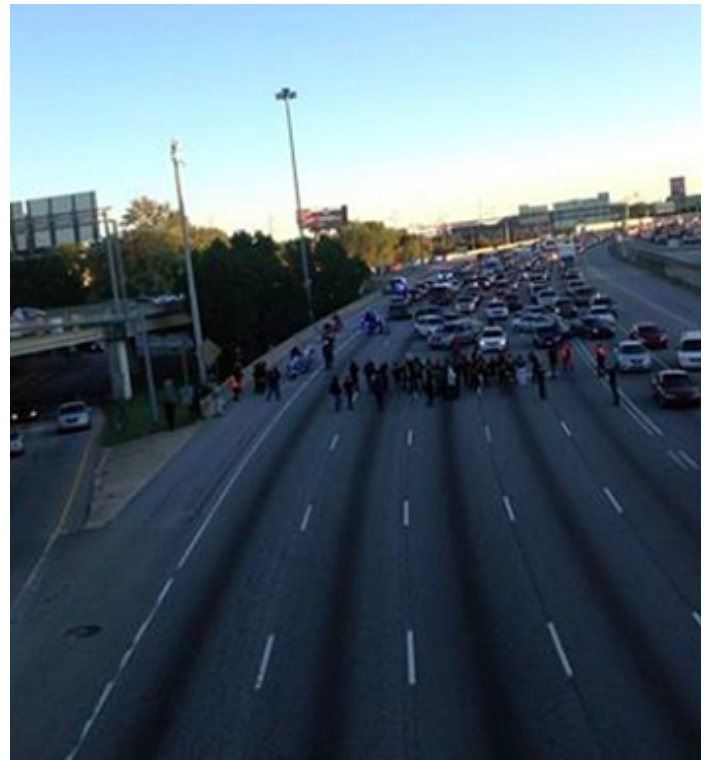
Smart surveillance can resolve multiple traffic-related challenges faced by the government and the inconsistencies due to a lack of workforce and alert mechanisms. The advanced surveillance systems will also be capable of using the past data to form optimal solutions alongside issuing relevant warnings to the concerned. Some systems also can capture details like the number of vehicles crossing a point, their speed if over-speeding, detection of wrong lane driving, detection of over-speeding, and identification of the physical attributes can further assist in robust law enforcement, real-time traffic management, and optimal utilisation of infrastructure. ANPR systems combined with RFID sensors or other surveillance and video analytics can help in raising the safety standards hand ease of movement on the roads.

A sensible and progressive AI- and ML-driven solution for highway surveillance can not only help with highway traffic monitoring and management but may also prove beneficial in the future for monitoring vegetation and agriculture, wildlife activities, and even disaster management. Unconventional thought is what it takes.

Wavesys LPR software is ideally suited for vehicle access and traffic control, as well as enforcement applications. Wavesysalso offers multiple customization possibilities for specific license plates and different types of transport

Wavesys Global specializes in Licence plate recognition module,Face recognition module, Video Content Analytics, Video Management Software, IP Cameras and IP Access Control Solutions. Waveys Global offer complete analytics suite with features like speed violation, counting, people tracker, zone & lines, object classification, pattern recognition, post estimation and many more.

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