

CASE STUDY



ORGANISATION

Nagpur Smart & Sustainable City Development Corporation Ltd.

SYSTEM INTEGRATOR

L&T Construction (Smart World & Communication)

LOCATION

Nagpur, Maharashtra, India

INDUSTRY SEGMENT

Traffic Management

SOLUTION

Intelligent Traffic Management System, comprising:

- Automatic Number Plate Recognition (ANPR)
- Red Light Violation Detection (RLVD)
- Integrated e-Challan Management Software
- Video Command & Control Centre

Videonetics helps the 'Orange City' of India become a Smart City as well.

SUMMARY

Videonetics has supported Nagpur in achieving the Smart City status, under the Smart City Mission of Government of India, by securing its roads with an AI & DL powered Intelligent Traffic Management Solution.

The solution has helped the city to solve its traffic enforcement problems such as red light jumping, zebra crossing/ stop line violations, over-speeding violations, tracking of suspect/ stolen vehicle, and generating e-challan/ e-ticket for violators as per the Motor Vehicles Act. It includes applications like Automatic Number Plate Recognition (ANPR), Red Light Violation Detection (RLVD), Integrated e-Challan Management Software.

With the successful implementation of the solution, Nagpur has witnessed greater traffic discipline and substantial decrease in traffic violations. More efficient traffic management has helped the city achieve its Smart City objectives.

THE CHALLENGE

Over the last few years, Nagpur has witnessed a rapid rise in the number of vehicles, and also in traffic violations and road accidents. The city administration recognised the need to enhance road safety, and the traffic police department sought a solution that would act as a true decision support system to regulate and analyse vehicle movement on roads. In addition, the police expected the solution to assist them in maintaining law and order, to identify frequent offenders as well as stolen/ suspect vehicles, as and when they enter the city.

