A photograph of a traffic camera mounted on a metal pole, set against a clear blue sky. The camera is white and has a lens and a light array. The image is partially framed by a large orange circle that overlaps with the EFKON logo and the main title.

Electronic Enforcement System (EES)

The growing number of vehicles on the roads is compelling government authorities across the globe to take measures aimed at increasing road user safety and security. Most countries formulate laws to implement regulations for electronic monitoring, detection, and surveillance of vehicles, recording of offenses committed against the rules, and the method of charging for such offenses.


EFKON's innovative and intelligent traffic management products make road management significantly less manual, reduce human-interventions, and more accurate. Our Electronic Enforcement System (EES) suite incorporates traffic surveillance and enforcement products that provide valuable insights to stakeholders, contribute to improving safety and security on roads, thereby saving lives and property and enhancing ease of commute.

Our EES helps prevent accidents, detect road violations and identify the violator, enables real-time viewing, monitoring of traffic status and issuing e-Challans for rule breakers. The system generates valuable traffic information which can help in gathering actionable insights for better traffic management.

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Our EES portfolio includes

Automatic Number Plate Recognition (ANPR) system is based on artificial intelligence, providing a robust and ready-to-integrate system, capturing diverse types of license plates. It's usage ranges from monitoring traffic activities such as red-light adherence and speed enforcement, detection of theft, hot listed/wanted/stolen vehicles, electronic toll collection to various other traffic enforcement applications

Red Light Violation Detection (RLVD) system is a fully automated electronic monitoring system identifying vehicles jumping the red light, stopping after the stop line, and over the zebra-crossing. This system is easy to integrate with e-Challan solutions.

Customer Benefits

The solution suite of our EES provides a wide range of functionalities:

- Traffic conditions – free-flow and stop-and-go
- Violation types:
 - Red-light
 - Over-speeding
 - Triple riding
 - Hotlisting
 - Stop-line violation
 - No helmet
 - Reverse Vehicle
- Capable of detecting:
 - Standard and non-standard license plates
 - Commercial and non-commercial license plates
 - Front and rear images of license plate
 - Two-line license plate
- Fully customized reporting system, to meet unique business requirements
- Maximum speed limit violation detection up to 160kmph
- High definition image capture
- Automatic challan generation
- Highly connected communication network (wireless and OFC)
- Ease of integration via APIs with external databases viz VAHAN etc.

Why EFKON?

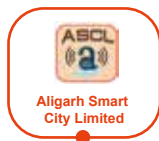
18 years of domain expertise and seasoned cross-functional teams

Strong presence in the growth markets (highways and smart cities)

End-to-end traffic management system products

Track record of award-winning successful project executions

Our key clients include



EFKON – A Global Leader in Intelligent Traffic Management Systems

EFKON India is a pioneer in bringing innovative products for Intelligent Traffic Management system in India since 2001. It is a wholly-owned subsidiary of STRABAG, a leading infrastructure company with revenue of € 15.67 Billion (2019). EFKON India help clients with end-to-end solutions for:

- Advanced Traffic Management System for Smart Highways and Smart Cities
- Intelligent Revenue Collection and Assurance Systems for Smart Highways and Smart Cities
- Intelligent Transport Management Systems for Logistics and Fleet Operations

For more information, please visit www.efkonindia.com.



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