



Traficon n.v.  
 Vlamingstraat 19  
 B-8560 Wevelgem, Belgium  
 tel +32 (0)56 37.22.00  
 fax +32 (0)56 37.21.96  
 traficon@traficon.com  
 www.traficon.com  
 V.A.T. BE 446.829.015

## THE COMPANY

Traficon, founded in 1992, is THE world reference in video image processing for traffic analysis. As an ISO9001 certified company, Traficon strives to meet customer requirements by delivering reliable high quality products. Its reputation is backed by 25 years' proven field experience and more than 70,000 Traficon sensors, operational worldwide. Traficon has 70 highly qualified and dynamic employees and offices in Belgium (HQ), France, Germany, UK, Asia (Beijing, Shanghai and Hong Kong) and the USA.

## MAIN APPLICATIONS

Traffic managers use our technology for traffic data acquisition, automatic incident detection and intersection management in highway, tunnel and urban applications.



## ROAD APPLICATIONS



### TRAFFIC DATA

Traficon detectors provide standard traffic data -volume, speed, occupancy, classification, gap time, traffic flow speed, zone occupancy...- which can be used for statistical purposes.

### FLOW MONITORING

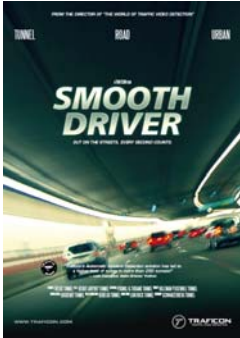
Congestion within and through the large metropolitan areas continues to increase and limit mobility. Accurately monitoring the average flow speed helps to distinguish different levels of service (e.g. fluid, dense, congested, queue). Other applications are queue monitoring during road-works and calculating travel time based on flow information from the VIP detectors.

### AUTOMATIC INCIDENT DETECTION

Traficon technology guarantees fast detection of stopped vehicles or wrong-way drivers which speeds up intervention and thus saves lives.



## TUNNEL APPLICATIONS



Tunnels are probably one of the most dangerous motoring environments. In a tunnel, a seemingly small event – smoke, spilled cargo, a pedestrian – can cause a traffic incident that quickly escalates into a major tragedy. Trapped in a tunnel with no chance to escape!

### AUTOMATIC INCIDENT DETECTION

Traficon's tunnel incident detection module is able to detect all major incidents within seconds: stopped vehicles, wrong-way drivers, queues, slow moving vehicles, fallen objects... Our systems also provide information on traffic flow and ventilation control.

## URBAN APPLICATIONS



### VEHICLE PRESENCE DETECTION

The Video Image Processor provides presence information on vehicles approaching or waiting at the intersection.

### FLOW MONITORING

Right from their desk, traffic managers can monitor traffic data, such as queue length and vehicle speed. With this information, an optimal flow control is guaranteed.

## PRODUCT RANGE & TECHNOLOGY

### Video Image Processor (VIP)

The key factor in a Traficon video detection system is the Video Image Processor (VIP), a standard detector board on which several types of detection software can be run. The video signal from the camera monitoring the traffic is used as input for the detection unit. Detection zones are superposed onto the video image. Vehicles crossing these zones are detected. The VIP analyses the video images to generate a wide range of traffic data and alarms.



### Traficon Management System (TMS)

TMS is a stand-alone software platform for use with the VIP detection system. It collects traffic data, events, alarms and video images generated by the VIP system. Communication with the VIP system goes over Ethernet.

### TrafiCam

TrafiCam integrates both camera and detector in a compact, stylish housing and detects vehicles waiting at or approaching an intersection. TrafiCam sensors make the operations of traffic light controllers more dynamic, which reduces the waiting time of vehicles at signalized intersections.



**Traficon Contact information:**

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Fax: +32 (0)56 37.21.96

URL: [www.traficon.com](http://www.traficon.com) <<http://www.traficon.com/>>

**Contact person:**

Frank De Bondt

Research & Development Director  
[fdb@traficon.com](mailto:fdb@traficon.com)

