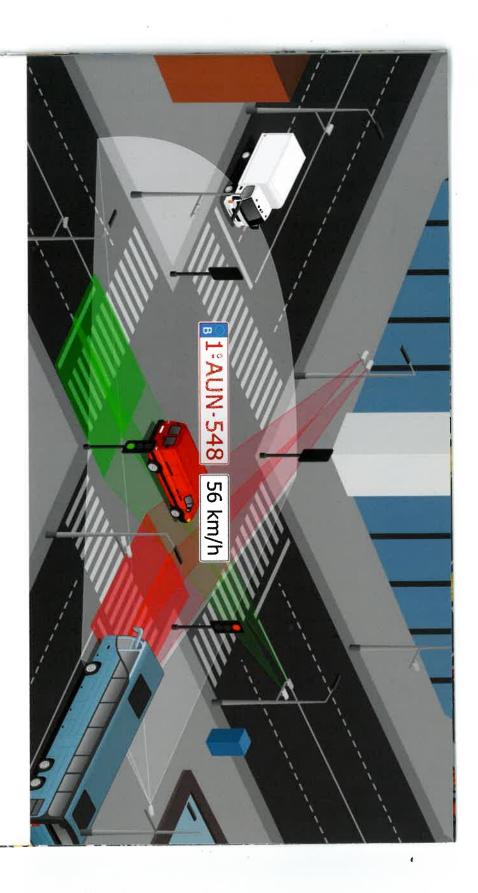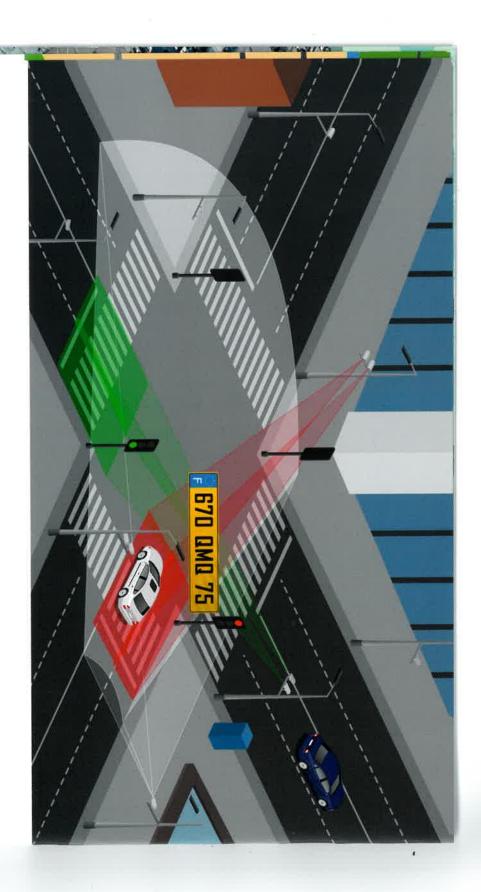**Every modern city needs high quality traffic control.**

Key element of a Smart Traffic System is efficient use of integrated means of photo and video capture.
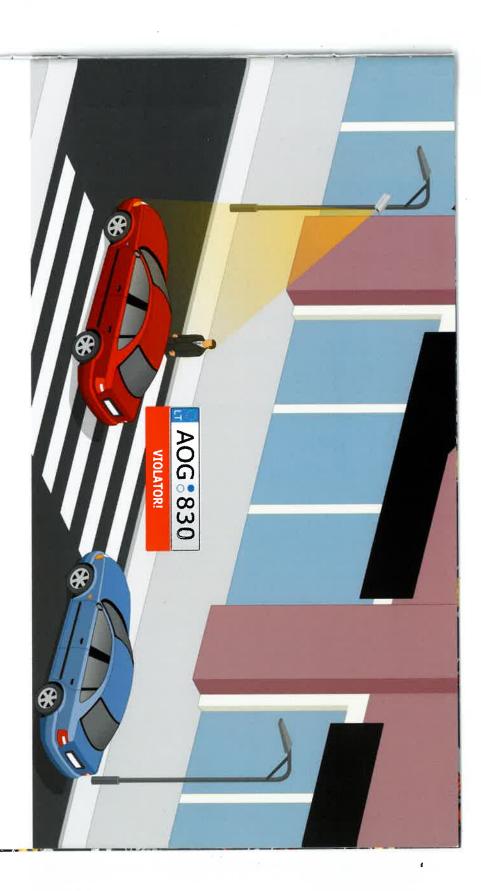
ITC-EYE™ Software and hardware complex (SHC) is a photo and video capture system capable of controlling speed via video footage 24/7 in any weather.

Rate of vehicle license plate recognition is 98%.

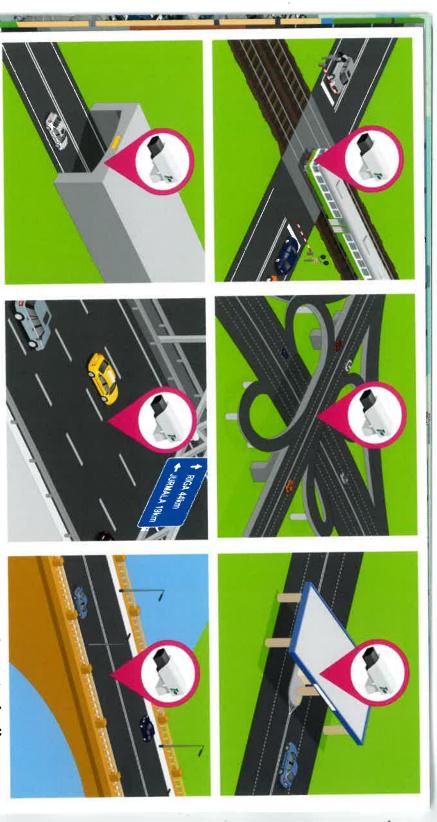**ITC-EYE™ SHC** detects and records vehicles, which cross stop lines and drive on red light.

ITC-EYE™ systems remotely control key points of city traffic network, reducing number of accidents and traffic violations.

Video control of pedestrian crossings reduces the number of pedestrian-related accidents.

Working ITC-EYE™ systems promote stricter discipline among drivers.

ITC-EYE™ SHC should be included into Smart Traffic Systems to control such strategically important points of city traffic network as:

- junctions;
- railroad crossings;
- city entrances and exits;
- bridges;
- tunnels.
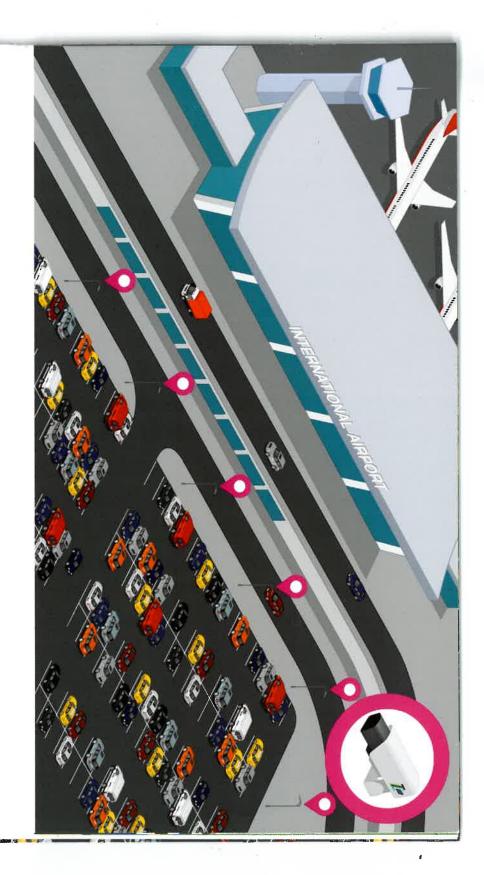
Control of city traffic hubs is especially important.

Failures in operation of traffic hubs cause disruptions in the work of public transport, which result in uneven distribution of passenger traffic during rush hours.

ITC-EYE™ system can be used to control access of vehicles to closed premises.

System monitors all internal traffic automatically, with or without sorting vehicles into separate databases ("black" and "white" lists), and controls executive devices (barriers, traffic lights, automated gates) remotely.

Same principle can be used to control freely accessible premises with designated entrances and exits – internal parking lots of airports, stations and supermarkets.

For this task ITC-EYE™ SHC, is equipped with rotating cameras, which monitor parking lot in a pre-set sequence.

INTERNATIONAL AIRPORT

ITC-EYE Mobile™ SHC is car-mobile solution for monitoring paid parking areas and no parking zones. It features automatic recognition and real-time data transfer functions.

ITC-EYE Mobile™ device is attached to a windscreen inside the patrol car and has several options of body design.

ITC-EYE Mobile™ systems monitor parking areas, included into Smart Traffic System.

ITC-EYE Mobile™ is an efficient solution for monitoring large sections of city streets.

Foot patrols, equipped with hand-portable ITC-EYE Pocket™ photo capture devices can monitor streets and parking areas, inaccessible to patrol cars with ITC-EYE Mobile™ devices.

Hand-portable ITC-EYE Pocket™ device is a protected all weather tablet with preinstalled software that transmits data to a remote server.

Use of all photo and video capture equipment, included into unified Smart Traffic System makes search for vehicles more efficient. All data, gathered by all kinds of devices is transmitted to a single Data processing center in real time.

If stationary ITC-EYE™ SHC cannot locate a vehicle, mobile ITC-EYE Mobile™ and ITC-EYE Pocket™ can be used. Search requests are automatically transmitted to mobile devices while on patrol.

Mobile devices allow to search all search all parked vehicles in all parts of a city quickly and efficiently.

Detection allows imposing fines that will provide payback of the complexes within 6 months.

Installing several automatic photo & video detection complexes helps decrease number of accidents and improves the discipline among drivers.

Up to date information received from photo and video devices enables timely and flexible response to changing traffic situation in the streets. Automatic processing of data gives the ability to monitor, predict and control street traffic, thus preventing traffic jams.

Coordinated and flexible response ensures best possible speed and traffic flow, which is a top priority, when it comes to balancing movement of scheduled public transport with free movement of private vehicles.

ITC-EYE Mobile™ Camera mounted on a police cruiser takes pictures of license plates and counts total amount of vehicle.

Those data is automatically proceed to UIG Platform for the future synchronization with Transaction History, Permission and Subscription database.

Potential illegal parking vehicles are displayed at the ITC-EYE Pocket™ Handheld PC with shortest way to objects.

Parking inspector checks parking information at the place and prints illegal parking tickets through the mobile printer, in the case of a parking violation.

Data processing in UIG Cloud Platform

Dashboard and analytics

Real-time data transfer — Vehicle Camera captures license plate — Mobile camera

*Back Office prints illegal parking tickets and send through mail

LPR Server

ITC-EYE Mobile

Parking is not paid — Back Office*

Transaction History

Permission Subscriptions Database

Parking is not paid — Traffic wanders prints tickets through mobile printer — Illegal parking tickets

Parking inspector — Tablet PC Camera captures license plate — Real-time data transfer

Parking is paid — Real-time data transfer

Benefits:

- Increased enforcement productivity;
- Increased security;
- Increased parking policy compliance;
- Increased revenue capture;
- Control unauthorized parking;
- Increased success rate in parking ticket disputes;
- Alerts, SMS, e-mail dissemination;
- Analysis: reports, charts, graphs;
- Real-time visibility into parking violations;
- Improve collections;
- Free up police officers for more critical assignments;
- Rapid return on investment;
- Award winning enforcement solution backed up by number of patents.

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