

FUNCTIONALITY

AUTOMATIC TICKET ISSUING – The ability to recognise certain faults and immediately issue a ticket.

REGISTRATION ENFORCEMENT – The inability to copy or duplicate the RFID TAG will render any attempts to duplicate or create License Plates to failure.

TECHNICAL INSPECTION ENFORCEMENT – Locate a vehicle on the road without a valid Technical Inspection.

INSURANCE INSPECTION ENFORCEMENT – Similar to the TECHNICAL INSPECTION ENFORCEMENT, only using a different database.

BLACK or WHITE LIST ALARMS – Whenever a vehicle that is registered on a list (ex: existing fines) goes through a reading point its position is marked, an alarm raised then an action can be taken.

VEHICLE TRACKING – Possibility to follow vehicle as it moves through the Reading Points.

TOOL CHARGING – On Motorways or Bridges, the system can be connected to ATM cards and automatically make the payment from the paired ATM card.

TRAFFIC ANALYSIS AND MANAGEMENT – The traffic data gathered by system becomes a powerful Traffic Management and Analysis Tool.

CONGESTION CHARGE – City centers are filled with vehicles, authorities have started to implement restrictions on the inner cities traffic. The IVI System can help to enforce such policies.

ACCESS CONTROL – The RFID TAG can be used as an access key, by installing Reading Points it is possible to grant Access to registered vehicles. Red Light Violation, Emergency or Bus line violation and Speed Control functionalities are being developed.

We plan to introduce these in the first semester of 2014.

THE UNDERPINNINGS OF THE SYSTEM

- ROBUST
- VISIBLE
- SECURE
- TAMPER RESISTENT
- INDEPENDENT
- RFID TAG CENTRED
- OPEN SOURCE
- INTEGRATED
- COMPLIANT

The Porta Saber Intelligent Vehicle Identification System is a trialled and tested working system.

Currently the System is being used by Traffic Police of the Republic of Azerbaijan with very satisfying results.

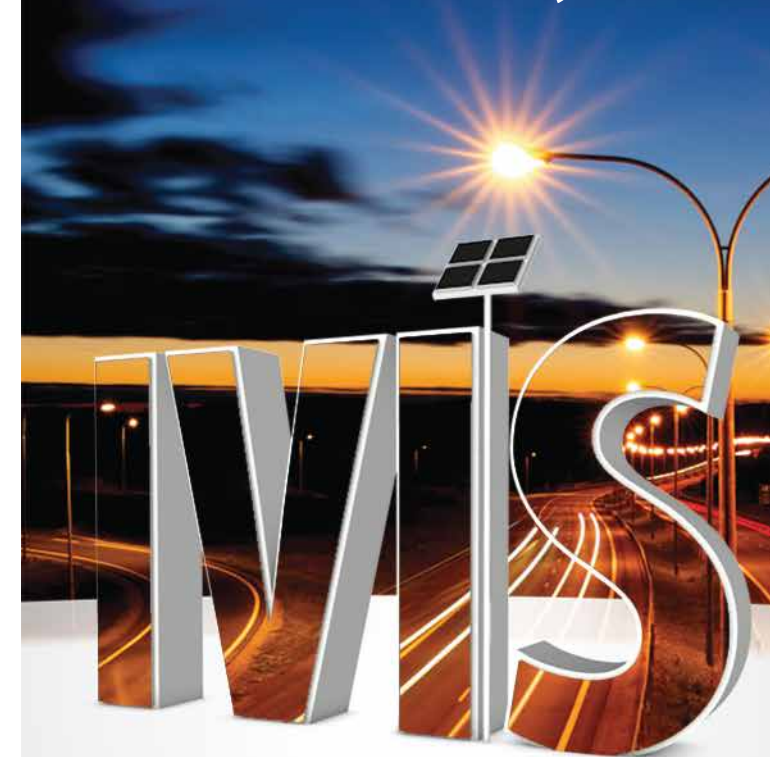
The Porta Saber RFID On License Plate system is currently being used as part of the standard specifications of the country vehicle License Plates.

It's an open source system that doesn't stay hostage of any supplier of License Plates and can be deployed onto existing License Plates.

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Porta Saber
BUSINESS DEVELOPMENT

Intelligent Vehicle Identification System



Porta Saber
TRAFFIC SYSTEMS

SYSTEM BENEFITS

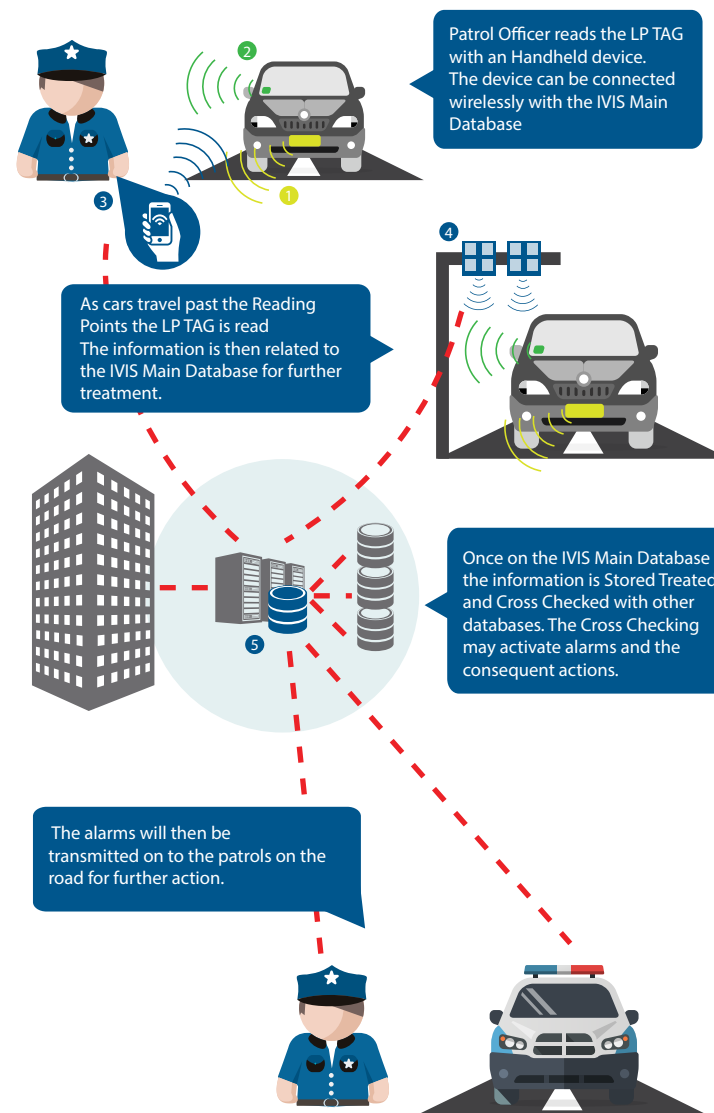
There are several areas where the authorities will benefit from using our Intelligent Vehicle Identification System. The obvious ones relate to the ability to clamp down on License Plate falsification, non registered, non insured and non inspected vehicles.

- LOWER OPERATIONAL COSTS
- INCREASED SAFETY AND SECURITY
- PREVENTION OF LICENSE PLATE FORGERY AND CLONING
- IMMEDIATE EVENT ALARMS
- ACCURATE INFORMATION ON THE VEHICLE
- VEHICLE LOCATION AND HISTORIC MOVEMENTS
- INCREASES EFFICIENCY AND EFFECTIVENESS
- INCREASED HIGHWAY CODE ENFORCEMENT AND MONITORING
- INCREASED PUBLIC AWARENESS OF THE AUTHORITIES WORK
- COMPLIANCE WITH VEHICLE REGISTRATION, INSURANCE AND TECHNICAL INSPECTIONS
- INCREASE IN REVENUES
- MORE EFFICIENT AND EFFECTIVE ALLOCATION OF RESOURCES

Licensing Revenues

It is possible to license the reading system to private entities without compromising its security. Private businesses can benefit from having the ability to read the RFID on the License Plate.

IVIS DIAGRAM



The Porta Saber Intelligent Vehicle Identification system is being used very successfully by the Traffic Police of the Republic of Azerbaijan.



The Porta Saber License Plate with an RFID TAG is the standard specification for all new License Plates since January 2011 in the Republic of Azerbaijan.

1. RFID License Plate TAG
2. Optional Windscreen RFID label
3. Handheld Reading Device
4. Fixed Reading Point
5. IVIS Main Database