

ITS Applications and Perspectives in the Road
Traffic Management in Bulgaria

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What are the Applications and Perspectives in the Road Traffic Management in Bulgaria!?



Main challenges facing Road Traffic Management in Bulgaria?

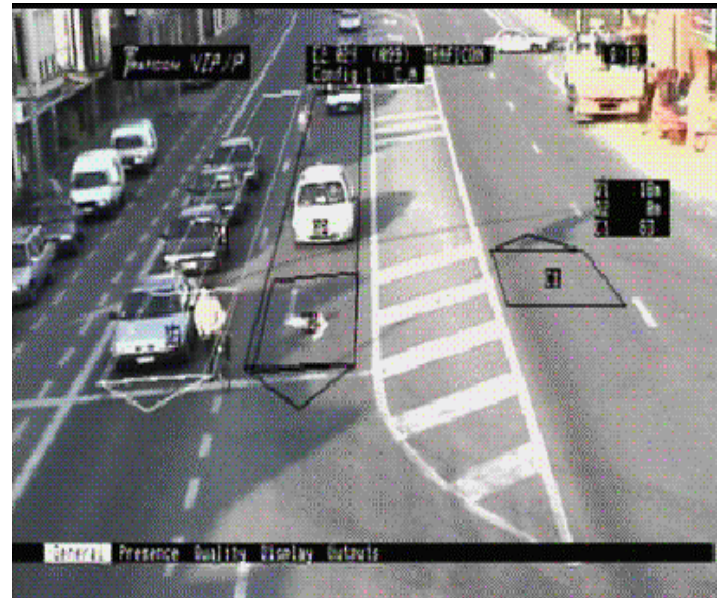
- How to...
 - Count, classify and analyze traffic behaviour?
 - Improve the Transport System to deal with increasing number of vehicles?
 - Deploy high efficiency systems for traffic management?
 - Achieve interoperability between various transportation infrastructures (e.g road, rail, underground etc.)
 - Manage Parking and Tolling issues?
 - Deal with budget constraints!?

How to improve Transport system? Present and forthcoming steps

- Analyze present status of road traffic behaviour
- Preparation of National Master Transportation Plan in Bulgaria
(under development 2008-2009)
- Feasibility study for implementation of an Intelligent Traffic Management System in Sofia (completed June 2008 by DHV and Sofia Municipality)
- Preparation of Master Transportation Plan for Sofia municipality (under development 2008-2009)
- Preparation of Master Transportation Plan for all major cities in Bulgaria
- Perform case studies and administer solutions
- Advise on financial aid and EU funding programs.

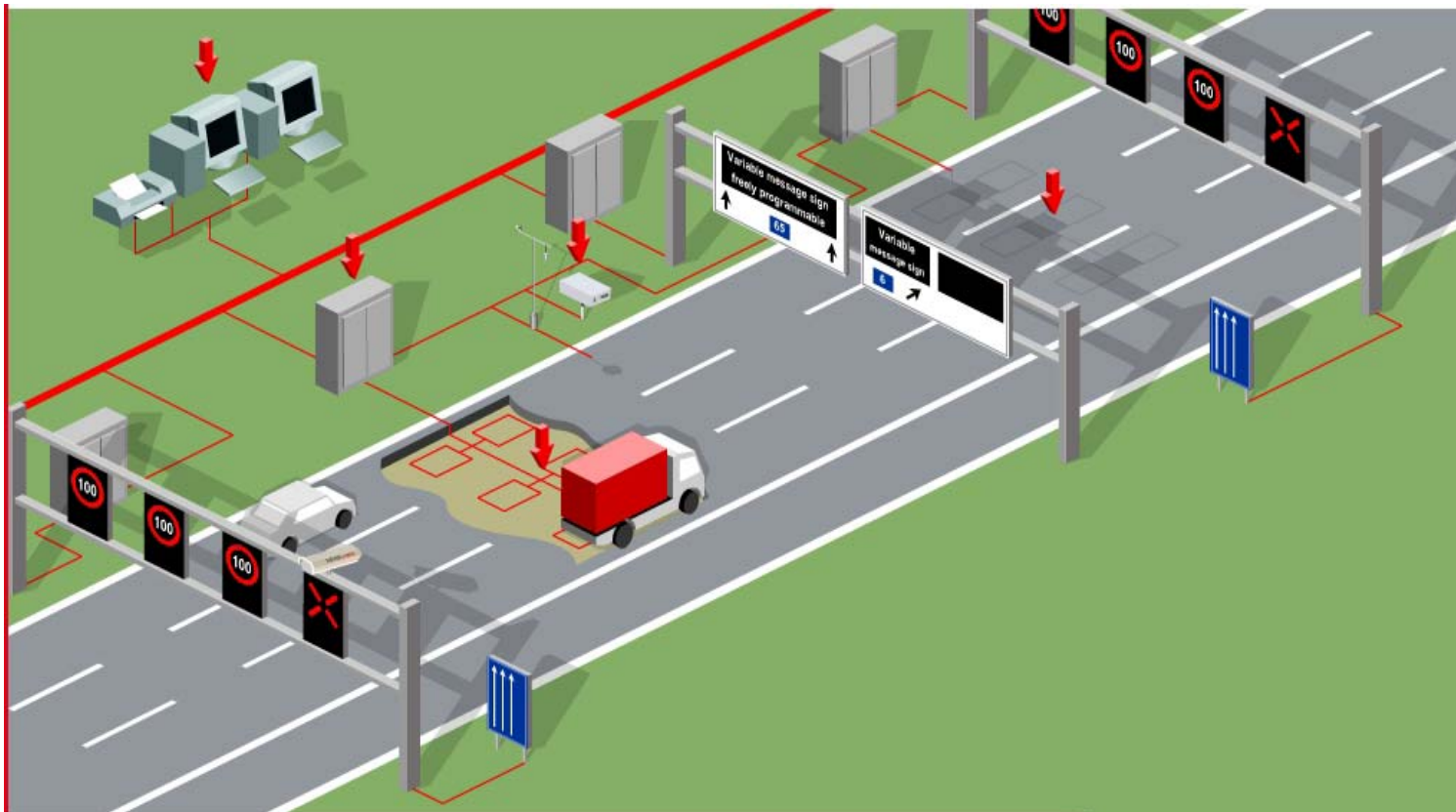
Deployment issues for Intelligent Traffic Systems

- ▶ Counting and classification of motor vehicles.
- ▶ Traffic behaviour analysis.
- ▶ Traffic Management methods and VMS systems.
- ▶ Parking lots and Tolling systems
- ▶ INTEGRATION & Management of all sub-systems as one UNIT



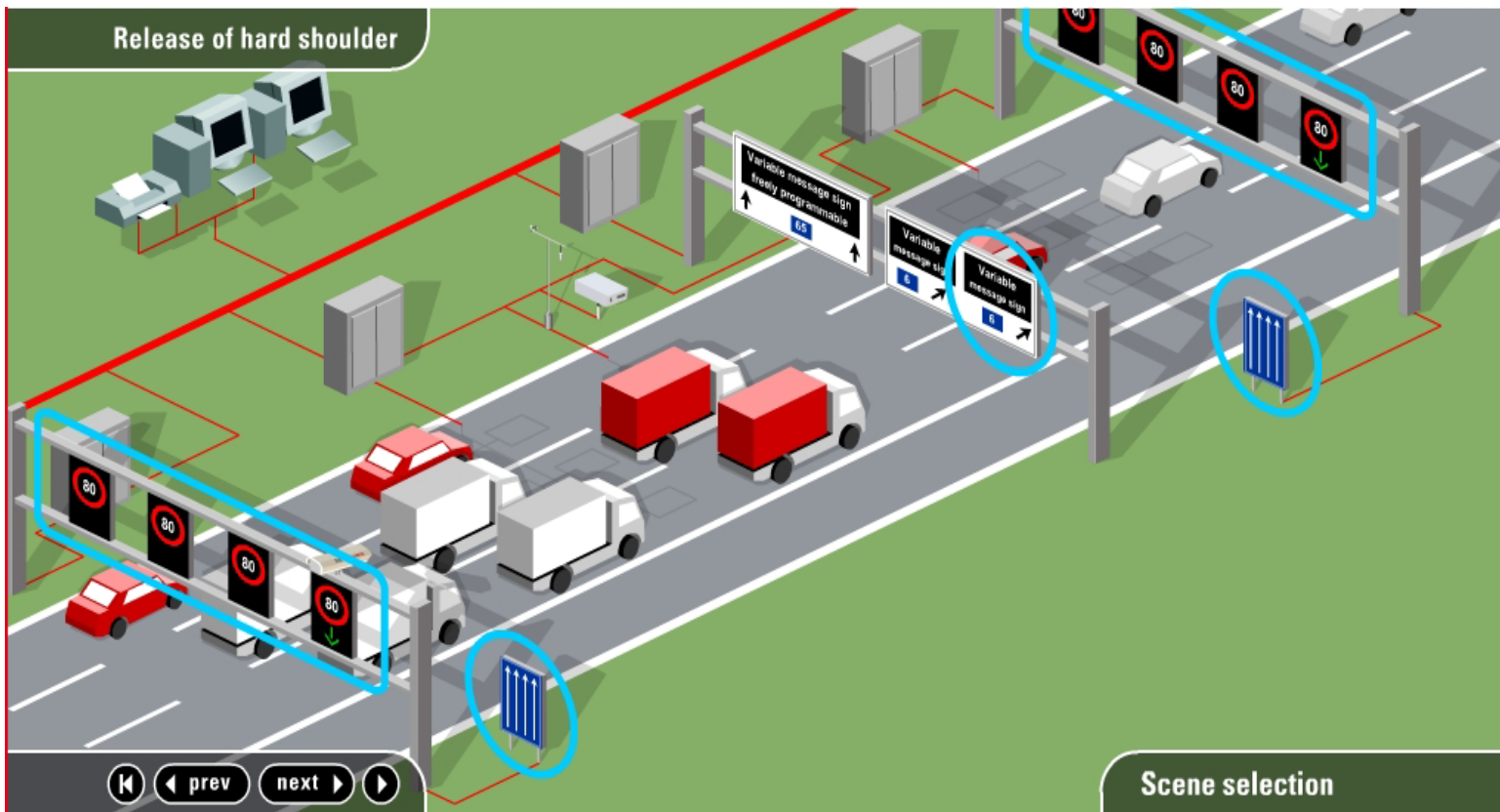
Intelligent Road Traffic Management solutions

- ▶ Traffic Counting
- ▶ Vehicle classification and behaviour analysis



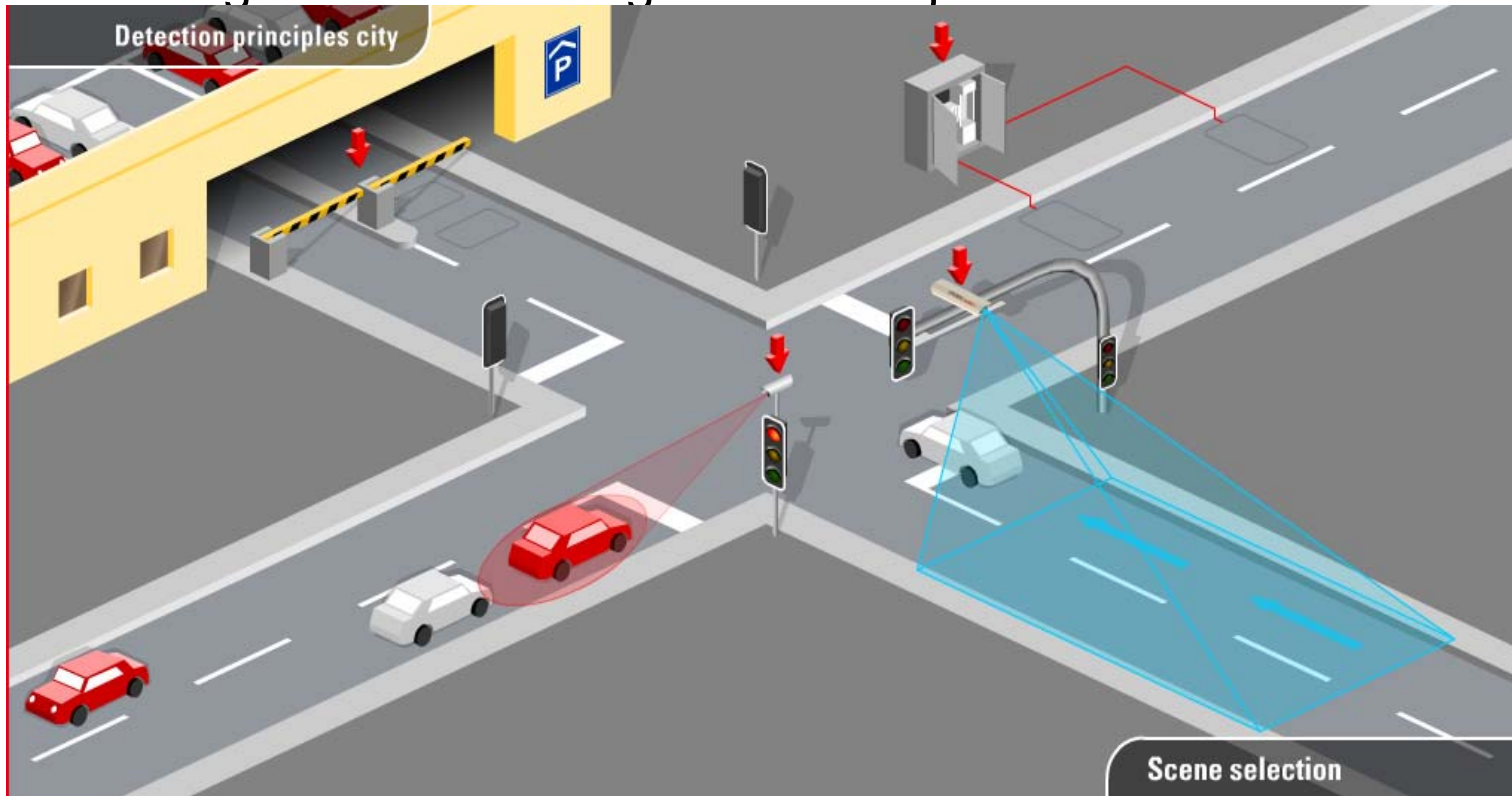
Intelligent Road Traffic Management solutions (continues)

► Traffic Signaling, Guidance and Management



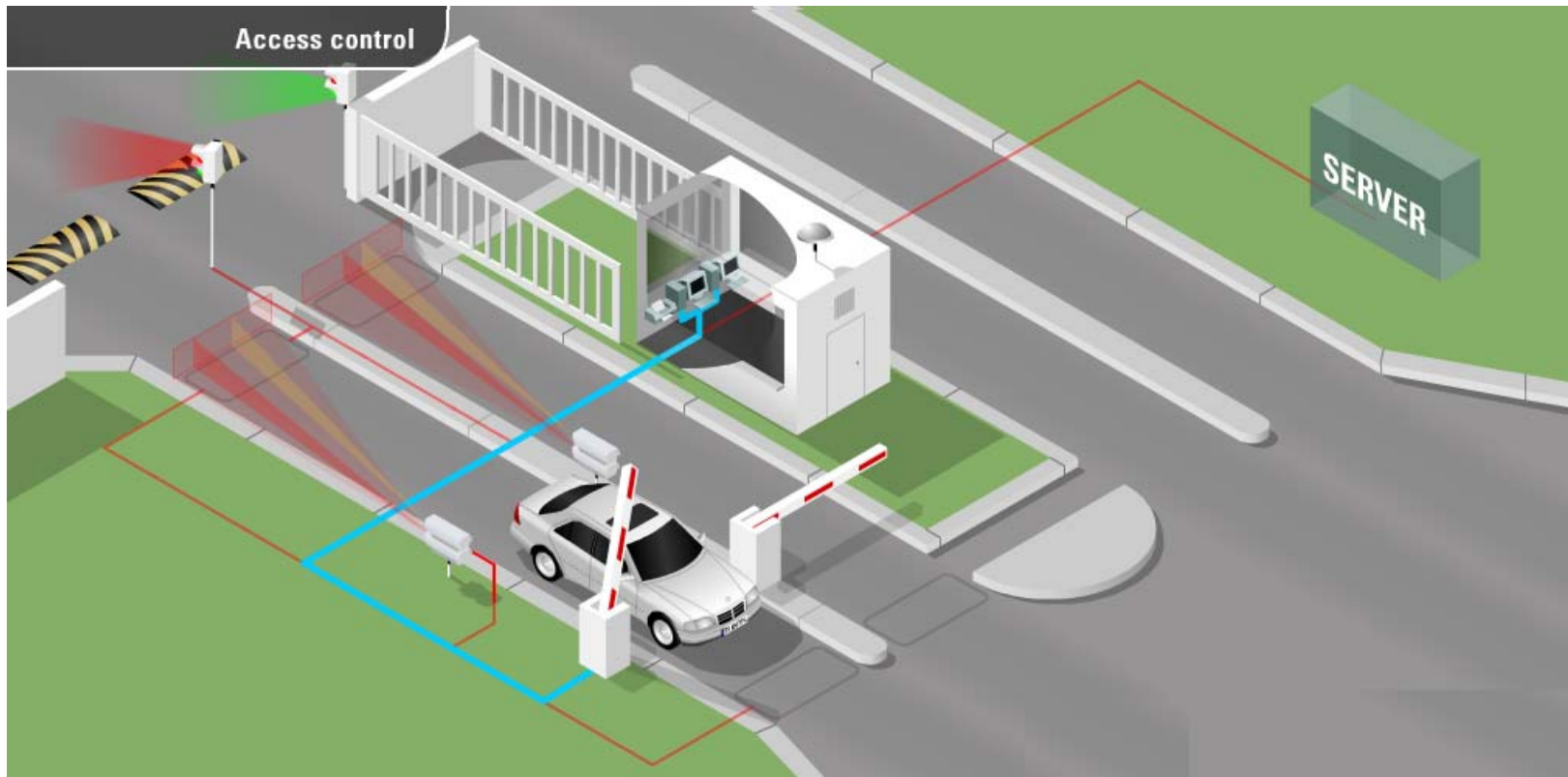
Implementation of Intelligent Parking Systems

Management of Parking Lots in conjunction with traffic flows



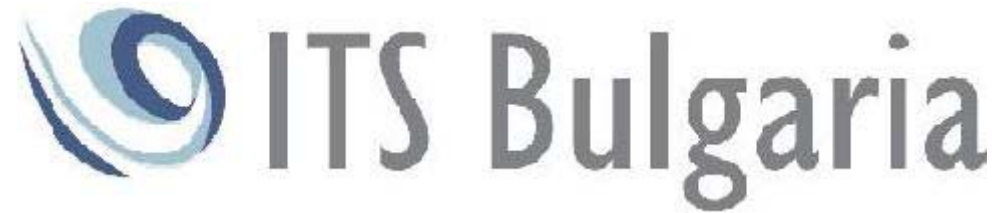
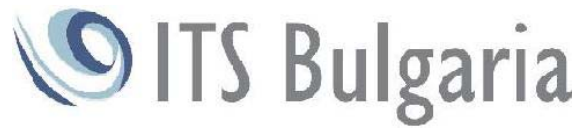
Implementation & Integration of Road Tolling systems

Deployment of road side Tolling systems.



Implementation of Command and Control Centers for Intelligent Traffic Management





Thank you!