



GLOBESSEY DATA SERVER

Effortlessly manage mass traffic data



GDS brings a new era to manage big traffic data – that is undoubtedly the soul of any traffic monitoring system. This database is specifically designed to store traffic-related information, in a high-speed, scalable and easy to manage format.

In fact, it is not just a database: it is a complete traffic data middleware solution with a built-in and ergonomic GUI, that is praised by its users, let them be a police organization, toll collection agency or any such traffic authority.

GDS deals with the most complex traffic management challenge in an effortless manner: simultaneously managing data collection from numerous endpoints and serving queries of various business units. All these with maximum reliability – serving your traffic system.



TOLL COLLECTION



TRAFFIC SECURITY MONITORING



JOURNEY TIME MEASUREMENT



SPEED ENFORCEMENT



CONGESTION CHARGING



BUS LANE AND RED LIGHT ENFORCEMENT

Main benefits

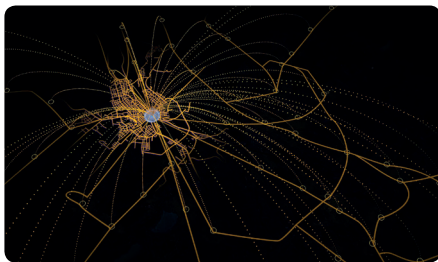
- Potentially unlimited storage capacity
- Tracks vehicles carrying dangerous goods
- Web-based remote access for multiple simultaneous users
- Managing ITS systems of an entire city/region/country
- Integration into existing or planned 3rd party systems
- No need to use relational database – events are unrelated
- Runs on a smaller server – or works faster on given hardware system

Specifications

- autonomous data gathering • openness • scalability • flexibility • ANPR • vehicle categorization • axle counting • secure data
- state of the art technology • quick ROI • Non-intrusive • automatic violation detection

Technical Data

Supported operating systems	Windows (64 bit) Linux (64 bit)
Supported Platforms	x86_64 PPC
Minimum system requirements	Project specific; contact ARH for more information
Licensing	Licensing based on CPU cores, core types, users, lanes, and number of devices. Contact ARH for a quote
User interface	HTML browser (GUI, web socket-based communication)
Development Tools	C#, .NET, Java
Supported programming languages for Windows	Visual Basic, .NET, Java
Supported programming languages for Linux	C/C++, C#, Java



Effective data processing

The standardized data package flow is rapidly managed through IP-based communication in binary and/or xml formats and simultaneously transmitted between multiple endpoints and the server.

Scalability

The dynamically scalable server is able to perform without maximum limitation and efficiently stores all image and numerical data through its high-availability data replication and clustered storage software architecture.

Statistics

The user-friendly GUI provides comprehensive metrics and a searchable database along with preset automation, export functions and a log that records all activities in the system.

Endpoints monitoring

All roadside sensors and cameras can be remotely operated or monitored (self-verification, periphery check), reflecting the detailed conditions of the system in real-time.

TRAFFICSPOT® – Roadside Traffic Monitoring and Data Processing

