ARH GLOBESSEY®
DATA SERVER

DATA SERVER + MIDDLEWARE
FOR ITS SOLUTIONS AND MASS DATA PROCESSING

ROBUST AND FAST ITS DATA STORAGE MIDDLEWARE

Globessey Data Server (GDS) is a combined data server and middleware that capable to gather millions of information on a daily basis from different endpoints (TrafficSpots) and makes the data available for various applications through standardized interface. It comes with a dedicated graphical user interface (GDS GUI) where operators can manage the processes and can have different statistics, queries, through the web-browser based thin client. Further professional functions of the system are the Load Balancer, Geo Redundancy and Sensor Health Monitoring.

Benefits / Use cases: the system can be used for traffic monitoring, border control, toll collection, congestion charging, emergency- / bus lane observation, red light control, speed enforcement, weight- and journey time measuring, stolen car hunting and many more

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

TOWARD THE FUTURE IN SAFETY – SINCE 1991

ADDRESS: ALKOTAS UTCA 41, H–1123 BUDAPEST, HUNGARY, EU
PHONE: +36 1 201 9650 • FAX: +36 1 201 9651 • EMAIL: SENDINFO@ARH.HU
WWW.ARH.HU

ARH GLOBESSEY® DATA SERVER

APPLICATION AREAS

Toll Server • Smart City • ITS • Border control • Traffic monitoring • Speed/traffic enforcement

FEATURES

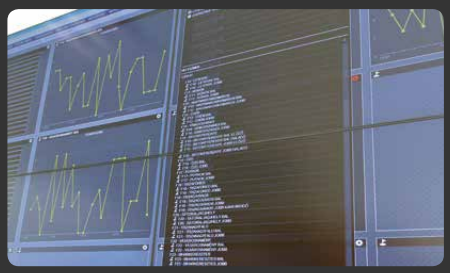
Autonomous data gathering • Openness • Scalability • Flexibility • ANPR • Vehicle categorization • Axle counting • Secure data • State of the art technology • Quick ROI • Non-intrusive • Automatic violation detection

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.

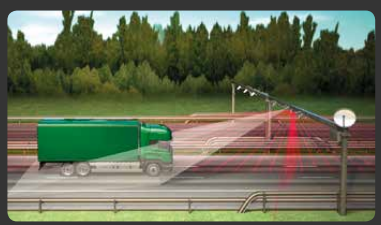
Scalability
The dynamically scalable server is able to perform without maximum limitation and efficiently stores all image and numerical data through its high-availability data replication and clustered storage software architecture.



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



ADDRESS: ALKOTAS UTCA 41, H–1123 BUDAPEST, HUNGARY, EU
PHONE: +36 1 201 9650 • FAX: +36 1 201 9651
WWW.ARH.HU • EMAIL: SENDINFO@ARH.HU