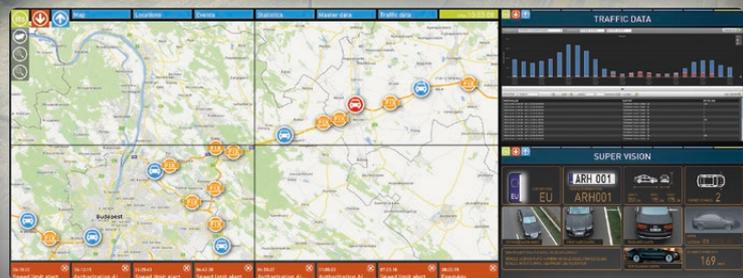


ARH GLOBESSEY® DATA SERVER

DATA SERVER + MIDDLEWARE
FOR ITS SOLUTIONS AND MASS DATA PROCESSING



AGILE AND VERSATILE SYSTEM WITH DEDICATED GUI FOR VARIOUS END-USER APPLICATIONS

ARH GLOBESSEY® Data Server, the intelligent traffic system of ARH in a combined data server and middleware, gathers information from different endpoints to make them available for various end-user applications. The operators of ARH GLOBESSEY® Data Server can manage the processes through a dedicated graphical interface.

KEY FEATURES

DATA FROM ENDPOINTS

- Standard, customizable data packages independently created from endpoint hardware types that also expendable by additional sensors
- Central server connects to endpoints via secure SSL
- Fast IP traffic in- and outflow with xml or binary communication
- Simultaneous event processing by server with optimal bandwidth

INTERNAL STRUCTURE

- No data loss due to redundancy through high-availability data replication and with clustered storage software architecture
- Highly efficient image storage
- Dynamic hardware scalability without maximum limits

CONNECTION TO END-USER APPLICATIONS

- Simultaneous end-user applications management with standard interface and SDK
- Wide selection of premade modules available (e.g.: stolen vehicle search)

GRAPHICAL USER INTERFACE (GUI) CHARACTERISTICS

- Remote operation – highly effective, reflects detailed conditions of the system in real-time (self-verification, periphery check)
- Built-in supervising module, clear visual monitoring
- User-friendly display; maps and statistics
- Search; fast and flexible with preset automation, export functions
- ARH GLOBESSEY® Data Server logs everything; all activities are searchable in the database

MAIN BENEFITS

- Optimized traffic speed, easier toll collection, safer roads
- Support of other traffic-related agencies (parking, law enforcement, border control, tariff, tax and statistics)
- User and developer friendly, fast ROI
- Useful outside traffic-related applications where complex image- and text-based data is mass processed (international borders, shipping ports, logistics, airports, etc.)



SPECIFICATIONS

ARH GLOBESSEY® DATA SERVER

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

