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

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

### 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