

# DATA SHEET

## KY-SOFT V.01.01

- Web-based IoT visualization, no installation on user machines.
- Multiple users, multiple sites.
- Hardware-agnostic, up to 10.000 objects in dynamic live view.



## OMNI-3D VISUALISATION SOFTWARE FOR MOVING OBJECTS

The KY-SOFT V.01.01 software suite, OMNI, consists of a webserver and a database module. The database module collects messages from the individually moving objects or from another host provides IoT data of such objects. Installation can be on existing server hardware, capacity and access speed requirements allowing.

Movement of individual machines or subcomponents (e.g., crane bridge, crane trolley) will be displayed in 3D for any viewport chosen by the user.

System or warning messages provided by the equipment or in case of predefined alert situations can be displayed or forwarded to preset email recipients.

All movements are stored in the database and are available for replay with any chosen viewport.

Fleet management data are available per individual object and also for defined object groups.

Geofencing zones can be defined and visually indicated.

### TECHNICAL DATA: KY-SOFT V.01.01

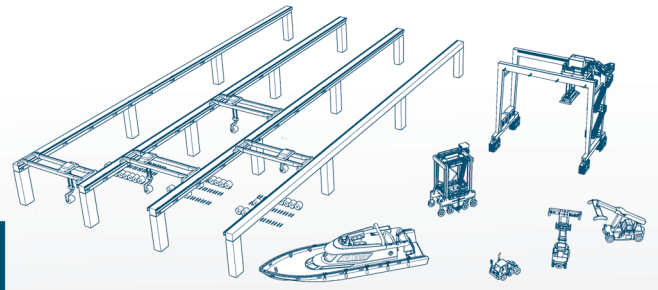
|                                     |                                                               |
|-------------------------------------|---------------------------------------------------------------|
| No. of simultaneous web users       | Technically unlimited, network and user requirements may vary |
| Number of moving objects, animated  | 500                                                           |
| Number of displayed objects, static | 10.000                                                        |
| Update rate                         | Up to 10 Hz                                                   |
| Interface for sensor hardware       | Ethernet                                                      |

### KY-SOFT V.01.01- Quick Facts

- Time stamped acquisition of all movement data.
- Show current position, heading and speed of selected object(s), in realtime (network speed allowing).
- Create temporary geofencing zones.
- Send warning/alert emails based on predetermined equipment messages (collision warnings, shock, harsh braking, idle timeout etc.).
- Event driven viewport options.
- Replay any situation from any angle for staff training.
- Fleet service information fields can be configured by user (vehicle groups, service schedule, operation hours, driver ID, distance count since last maintenance/last tyre change, etc.).
- Individual dashboard and reports defined per user.
- Different user access levels can be assigned.

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- Moving objects: transport vehicles, products, cranes, transfer cars, boats, etc.

### Data Interface



- Web clients



- Database and webserver

- Data interface:  
Ethernet (WiFi), 5G or  
other radio connection

Position, heading,  
vehicle data, ...

## SCREENSHOTS & DETAILS

### Defined geofencing

### Animated objects

### Static objects

### Individual and group details

FLEET TRACKING SYSTEM powered by KYMATI

Dashboard

Fleet Tracking

Replay

Replay event

Report

Geofence

Debugging

Settings

Asset tracking

Asset list

| <input checked="" type="checkbox"/> | ID      | Type | Speed(km/... | Status | Tag |
|-------------------------------------|---------|------|--------------|--------|-----|
| <input checked="" type="checkbox"/> | CHE-001 | sc   | 19.6         | A      |     |
| <input checked="" type="checkbox"/> | CHE-002 | sc   | 15.1         | A      |     |
| <input checked="" type="checkbox"/> | CHE-050 | qc   | 0            | A      |     |
| <input checked="" type="checkbox"/> | CHE-051 | qc   | 0            | A      |     |
| <input checked="" type="checkbox"/> | CHE-052 | qc   | 0            | A      |     |
| <input checked="" type="checkbox"/> | CHE-053 | qc   | 0            | A      |     |
| <input checked="" type="checkbox"/> | CHE-054 | sc   | 0            | A      |     |

Vehicles list

Total vehicles 7 Visible on map 7

Asset filtering

Save current filter

clear filter

### POSITIONING DETAILS

- Display debugging information for Kymati KY-LOC sensor data
- Support fast and easy commissioning

### REPLAY

- Select any given time section for replay
- Select your preferred viewport to see the relevant details

### DEFINE GEOFENCES

- Determine temporary geofenced areas (e.g. for construction or service work)
- Display all active geofences

