

# Fleet Management FMS

## Description

Server based fleet management system for process optimization as well as diagnosis, service and live image transmission of HydralP recording systems. Data transmission by WLAN and/or mobile network.

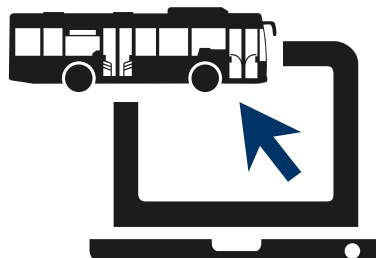
## Article number

SN0300023  
SN0300024

Software: Fleet management FMS (Service)  
Software: Fleet management FMS (Premium)

## Main features

- Transmission of status notifications
- Transmission of alarm events
- Live image transmission
- Transmission of position data (GPS NAVSTAR)
- Extensive, role-based user management
- Server based system (Windows server)
- Web based application



<b>Security</b>	The parameters of access rights for roles and users can be adjusted in a way, that data is limited to authorised staff
<b>FMS server</b>	The DResearch fleet management system is installed on a server or virtual machine in your IT network. Comfortable access and operation by any computer in your network with a browser. Protection from unauthorized access by extensive rights and user management
<b>Data transmission</b>	Transmission of live video data, diagnoses data as well as position and status data via mobile network (4G) and / or Wireless LAN
<b>Search</b>	Flexible filters allow a fast and effective search of vehicles or events and status notifications
<b>Hierarchy</b>	A priority for every type of notification (status, alarm, error, warning) can be defined and the process for the notification can be established
<b>Counting data transfer</b>	Counting data can be comfortably transmitted to the control centre, if the recording systems are coupled with a counting system
<b>Vehicle lists</b>	Overview of vehicles and recorders of the fleet, including different filter options
<b>Error and event management</b>	Transmits status and error notifications of the HydralP recording systems and of the HydralP SmartTerminal to the control centre for specific maintenance purposes or evaluation of alarm notifications
<b>GPS Positioning</b>	Transmits the current vehicle position (based on GPS NAVSTAR data) in case of a triggered alarm or on demand to the control centre.
<b>Remote firmware update</b>	Firmware updates for the HydralP system for the whole fleet can be accomplished fully automatically from the control centre (Firmware over the air, FOTA)
<b>Video data download</b>	Transmits recorded video sequences to the control centre. Download orders can be placed and the download will start as soon as the vehicle is connected to the network (e.g. via WLAN)

<b>Alarm handling</b>	Alarm reports can be confirmed and visualized automatically or manually in an extra alarm window
<b>E-Mail notification of events</b>	In the case of certain system events e-mails will be sent automatically to a configurable group of people. E.g. the control centre will be automatically informed about every live video monitoring or a service mechanic will automatically be informed about a broken component
<b>Live video monitoring and recording</b>	Transmits live-video-signals to the control centre, in order to quickly assess situations in the vehicle and to take necessary measures. The transmission can be initiated by an alarm as well as through a request by the control centre. live-video-signals can be recorded directly after a live-video transmission
<b>Vehicle group management</b>	Beside an overview of all vehicles of the fleet, the vehicles can be sorted into groups and/or depots
<b>Reference images</b>	With reference images the current camera position in the vehicle can be checked easily. A wrong position can be marked until it is corrected, if necessary
<b>Geofencing</b>	Freely defined map sectors can be determined. An alarm in the control centre is triggered, when the area is left

Software	Service	Premium
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User and authorisation management (Role Based Management System RBM)	x	x
Extensive event and information management	x	x
Fleet overview with current status and online information	x	x
GPS vehicle tracking	x	x
Automatic e-mail notifications for various system events	x	x
Scheduled remote firmware updates for MDVRs and counting modules	x	x
Scheduled updates of the configuration of HydralP devices	x	x
Automatic alarm management – video live image transmission incl. automatic recording (opt. in separate window)	-	x
Visualisation of Bus FMS based vehicle information	-	x
Event generation based on Bus FMS vehicle data	-	x
Geofencing	-	x
Reference image creation	-	x
Mobile phone analysis	-	x

Information refers to the current state and may be subject to unannounced changes.

6/3/2022