



FLEET MASTER

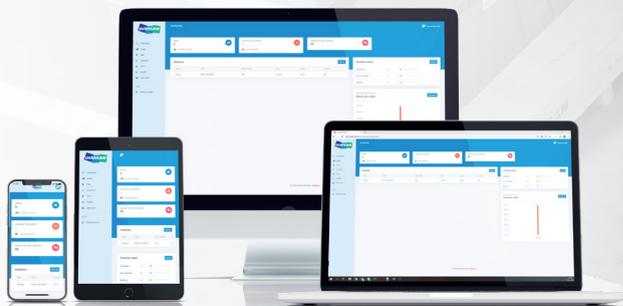
Brochure



Fleet Master is our brand new fleet management system that helps you to lift your business to the next level. Connect your material handling equipment and receive accurate and up to date data about your fleet in real time. The system, which is developed in collaboration with the specialized software company Kiwitron, can boost your business, improve the safety conditions in your warehouse and raise productivity to new levels.

Fleet Master is easy to install, even if your fleet has different forklift brands. The system is supplied with all the essentials to help you to manage your whole fleet. If Fleet Master is installed on an electric Doosan forklift, error codes and certain parameters from the CAN-network will also be visible in our fleet management system.

Wherever you are, Fleet Master is right there with you on every device to give you real time updates about your fleet. Fleet Master is a web based tool, available on desktop, laptop, tablet and smartphone. An app has been developed to increase usability on the smaller screens. We take security seriously, that's why our Fleet Master tool requires a login and password for data access.



A

FLEET MANAGEMENT



Detailed reports, information about the status of the forklift and safety issues are uploaded in real time to the cloud. Communication from the other side is also possible: information send by dealers or service managers will be visible on the display of the forklift (e.g. next service).

ANTI-COLLISION

between forklifts



between pedestrian - forklift



Forklift operators are warned when a pedestrian or other forklift is nearby. Applications in loud circumstances? No problem, the alarm will also be visible on the display of the forklift and send a vibrating signal to the pedestrian.



ETS ONE

ETS One has been developed for pallet trucks, stackers and other warehouse equipment. Its compact size allows easy installation, even in narrow spaces. This version is equipped with all necessary functions to manage your fleet in a simple and efficient way. Using the sensors, real-time data can be obtained on the activity status of the truck, working hours, battery status and driving style (e.g. collisions). ETS One features interconnection with the remote control cloud for data collection and analysis.

- 📍 Satellite tracking
- 📶 Data transmission SIM
- 📡 Shock sensor
- 🔒 Access control (optional)
- 🔍 Barcode scanner (optional)



ETS

The ETS system is equipped with all necessary requirements to help you manage your company fleet. Thanks to advanced shock detection and battery monitoring software; you can receive an in-depth analysis of your forklifts performance in real time.

Forklifts can only be used by authorized drivers with unique RFID tags. You will automatically receive remote information from the cloud about driving style, usage time and shocks occurred while driving.

- 📍 Satellite tracking
- 📶 Data transmission SIM/wifi
- 📡 Shock sensor
- 🔒 Access control (badge)
- 💧 IP54
- 💡 Status LEDs

ETS TOUCH

With the ETS TOUCH system, operators can carry out an in-depth analysis of the vehicle status by filling in the list of recommended checks before using the forklift. In case of anomalies, the system can prevent the forklift engine/motor from starting and/or reduce the forklift drive speed and it gives drivers the possibility to ask immediately for extended maintenance through the touch display. Forklifts can only be used by authorized drivers with unique RFID tags or with a keypad code.

The service manager receives a real-time notification message containing information about the detected anomaly. This process increases efficiency and maximizes the uptime of the forklift. Thanks to the touch display, messages can be directly sent from the cloud.



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- | | |
|---|--|
|  Satellite tracking |  Checklist |
|  Data transmission
SIM/wifi |  Anomalies
notification |
|  Shock sensor |  Messaging system
with drivers |
|  Access control
(badge/PIN) |  Touch display |
|  IP67 |  Service need alert |

ETS SAFETY

In addition to the standard access control features and to the data recorder device, this ETS integrated system strengthens material handling equipment features by adding a pedestrian detection and anti-collision system, in compliance with the highest safety standards, laid down by Employment & Labour Single Act. Thanks to the anti-collision technology, the risk of accidents in workplaces can be significantly reduced. Forklifts can only be used by authorized drivers with unique RFID tags or with a keypad code.

This device grants a constant all-around traffic monitoring and warns drivers and pedestrians about any possible danger through three different signals types: visual, acoustic and vibrating. This system brings a true added value at forklifts in terms of safety.

The ETS pedestrian detection system automatically activates the vehicle slowdown program. This makes the safety system more efficient. Pedestrians are warned thanks to the active technology of their personal key by means of an acoustic and vibrating signal when a forklift is approaching.

- 📍 Satellite tracking
- 📶 Data transmission SIM/wifi
- 🔊 Shock sensor
- 🔒 Access control (badge/ PIN)
- 🔧 IP67
- ✓ Checklist
- ⚠️ Anomalies notification
- 💬 Messaging system with drivers
- 👉 Touch display
- 👤 Pedestrian detection system (anticollision or radar - optional)
- 🔑 Keyless



OPTIONS

BATTERY ANALYSIS

Apart from the easy voltage analysis, which gives you a rough idea about the charge percentage, two additional (optional) sensors can be fitted on ETS and ETS touch:

- **Electrolyte sensor:** it detects the electrolyte level inside a cell and it's useful to create a warning if the customer omits to re-water the battery. The system can be set to send emails in case of warning or even slow down the truck. It can be set so that the normal operation can be resumed only by a user with administrative privileges.
- **Current sensor:** the sensor reads the current flow from/to the battery so it can monitor the energy (Ampere-hours) from the battery to the truck (consumption) and the energy going into the battery (charge). You can see how often the battery is charged, and guess the battery health (how many Ah's is capable) and if the user is doing opportunity charging (charge the battery for a short time for example during the lunch break, something that they shouldn't do because it shortens the lead-acid battery life).

LANE RADAR

- Up to 4 radars can be installed on one truck
- The radars can be always on or switched on with the directional lever
- Warning and alarm distances can be set
- In alarm distance the truck brakes
- The radar beam can be adjusted to work in narrow lanes so it does not detect the walls
- Increases efficiency and maximises forklift truck uptime
- The touch display allows messages to be sent directly from the cloud.



ROOF DETECTOR

- Using a laser sensor, the system detects if the truck is working inside or outside a building
- The truck slows down as soon as it's operated inside





-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center

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