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FASSI FX-LINK: TOWARDS INTEGRATED CRANE-TRUCK SYSTEMS

Fassi has developed the FX-Link system to optimise connectivity between the crane and truck.

In practice, it controls various truck functions from the crane's remote control and vice versa, developing new integrated command/control functions.

A crane and vehicle made whole. This is the objective of the technology developed by Fassi Gru in collaboration with Volvo Trucks Italia.

FX-Link aims to functionally and efficiently answer these three objectives:

- **To optimise the connectivity between crane and truck;**
- **To control the truck from the crane's remote control and to check the crane's status from the truck's dashboard;**
- **Develop new integrated features.**

ADVANTAGES

- The simplification of the electrical connections between the crane and the truck
- More truck functions that can be controlled by the crane's remote control
- Truck information that can be viewed on the remote control
- Elimination of the need for a CPM BOX in the truck cab

REQUIREMENTS

FX-LINK can be applied on:

- Cranes equipped with FX-Link devices
- Cranes equipped with a V7 colour remote control
- FH, FM and FMX VOLVO truck models equipped with ECBB-HIG and BBCHAS1 variants



Thanks to the FX-Link, the management of safety messages about the crane's status by the Crane Position Monitoring system can be remotely controlled on the truck's display.

WHAT CAN BE SEEN ON THE TRUCK'S DASHBOARD

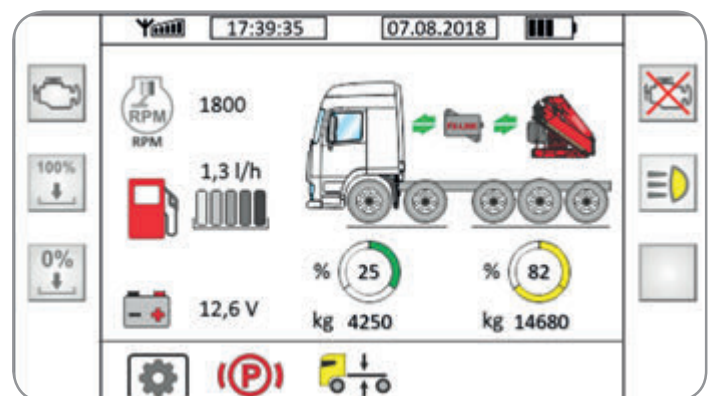
- Cranes and/or open outriggers with parking brake engaged (visual signalling)
- Cranes and/or open outriggers with parking brake not engaged (visual and acoustic signalling)

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THE SYSTEM'S PURPOSE

The system interprets and integrates the messages coming from the truck through the CAN-BUS connection, encodes, processes and transforms them, making them available to the crane operator on the remote control.

It allows the operator to control different truck command functions through the remote control.



FUNCTIONS AND INFORMATION AVAILABLE ON THE CRANE'S REMOTE CONTROL:

- Switching the truck on and off
- Adjusting the engine speed
- Switching on the headlights and other indicator lights
- Using the horn
- Fuel level and consumption
- Battery voltage
- PTO (Power Take-Off) status
- Engine speed
- Parking brake status
- Axle load
- Vehicle alarms and alerts
- Condition of air suspension
- Configuration of the truck axles



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