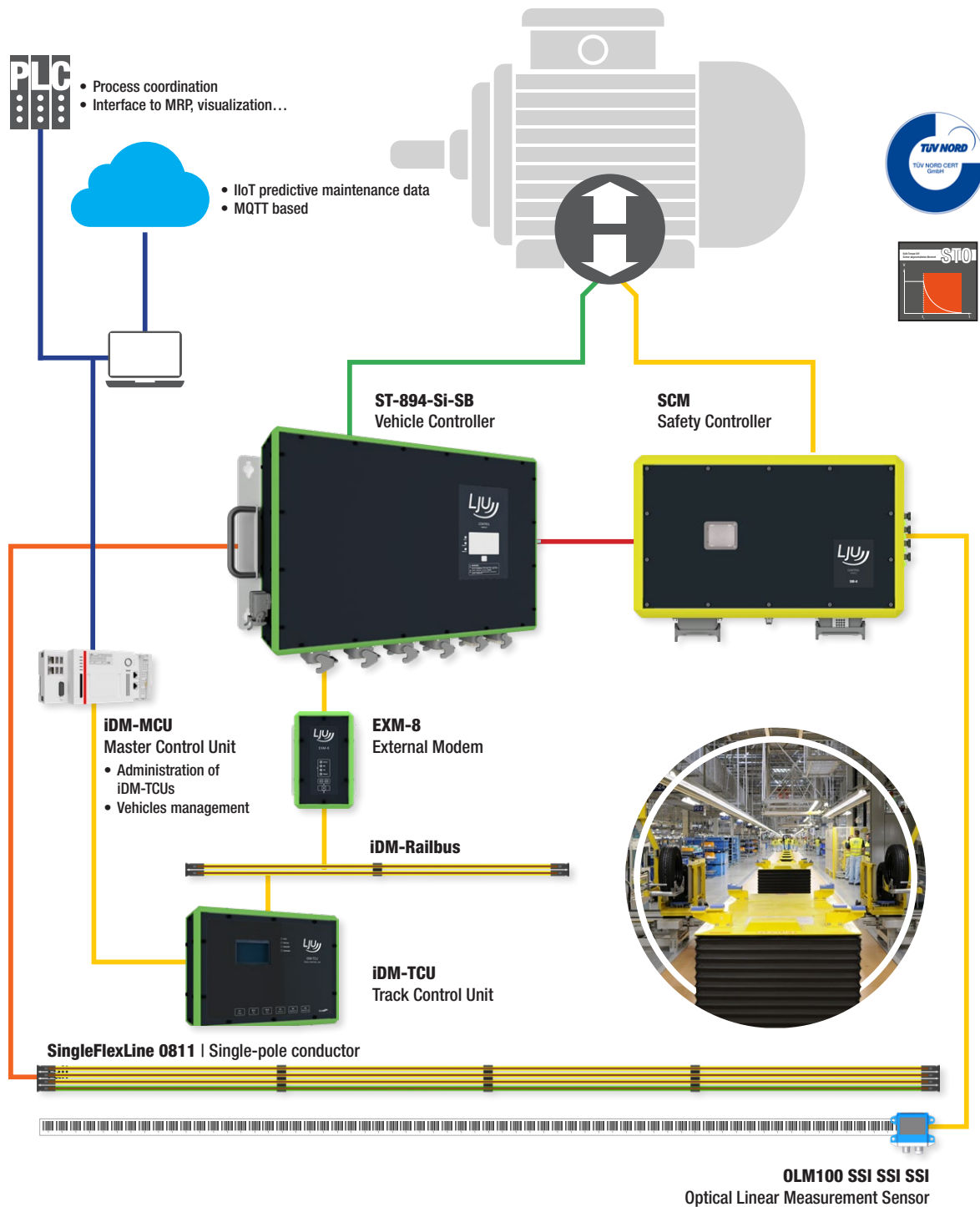


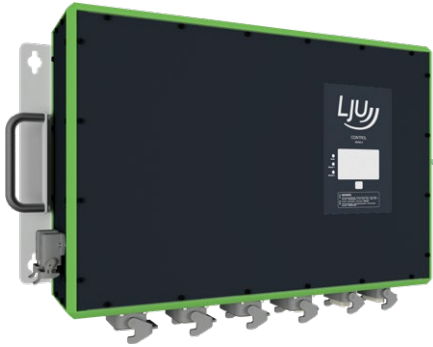


Mobile Controls & Integrated Functional Safety for Skillet Systems



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Vehicle Controller ST-894-Si-SB

Controllers of the Series ST-79x are programmable vehicle controllers with integrated frequency inverter for driving the motor in one motion e.g. driving.

The individual controller functions are standardized in hardware and software and are designed so that they are not specific to systems.

The controller allows for multiple asynchronous speeds (forward and reverse) and if necessary, synchronous speeds, which are set and driven by means of PCM-drive commands or half waves. Travel speeds are set in mm/min.

Commands from the PLC respectively status signals to the PLC will be sent by the PCM-System via the command bar S and the message bar M. External sensors connected to the controller are monitored independently and evaluated by the controller. The required configuration can be programmed.

Application software and operating parameters can be transmitted to the controller with the handheld programming device MU-705 via infrared.

For functions like manual movement of the vehicle, the controller can be remote-controlled using the infrared remote control.



Master Control Unit MCU

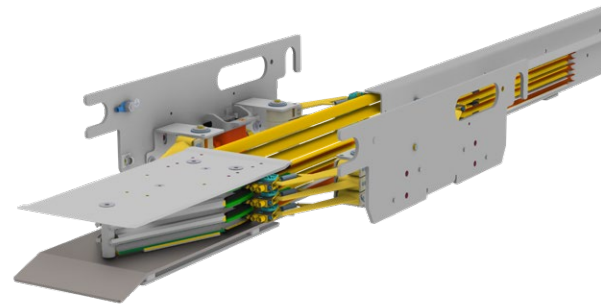
The Master Control Unit (MCU) is the central processing unit that regulates, controls and manages all components and vehicles within the installed iDM system. It forms the interface between the system controller and the iDM system.

The MCU controls, regulates and monitors the vehicles on each route segment by receiving, processing and sending vehicle data records via the Track Control Units (TCUs). The operational flow is defined from the specified route, block and vehicle commands from the soft PLC or a higher-level PLC.



Track Control Unit TCU

The TCU is a modem that manages the interface between the MCU and the vehicle control. One TCU is used for each route section and transmits the MCU data to the vehicles in this route section and vice versa.



Electrification 0811 Skillet

The 0811 conductor rails along with skillet specific components are the best choice for the application. Various mechanical integration solutions can be proposed, all share the same key features: very robust entrance and exit funnels designed for the high traffic of current collectors, long arm current collectors with high tolerances, option pre-assembled and pre-wired current collector units.



Optical Linear Measurement Sensor OLM100 SSI

The optical linear measurement sensor OLM100 SSI is used in LJU systems, specifically at LJU trolley controllers.

The OLM100 SSI optical linear measurement sensor is suitable for the following application areas:

- positioning/position reading in automated high-bay warehouses
- positioning/position reading of floor conveyors, monorail conveyors, stackers which travel round curves, slewing rings/turntables, shuttles
- wherever mobile devices must be positioned

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