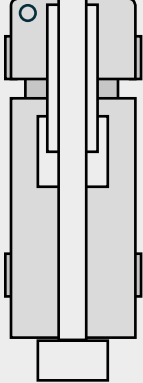
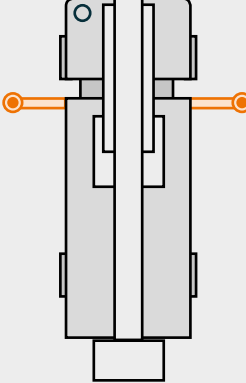
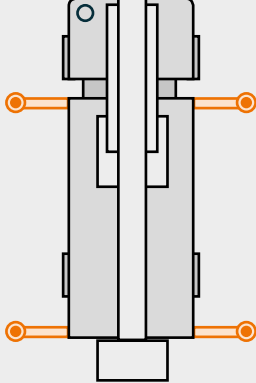


We take care about: Outrigger configurations

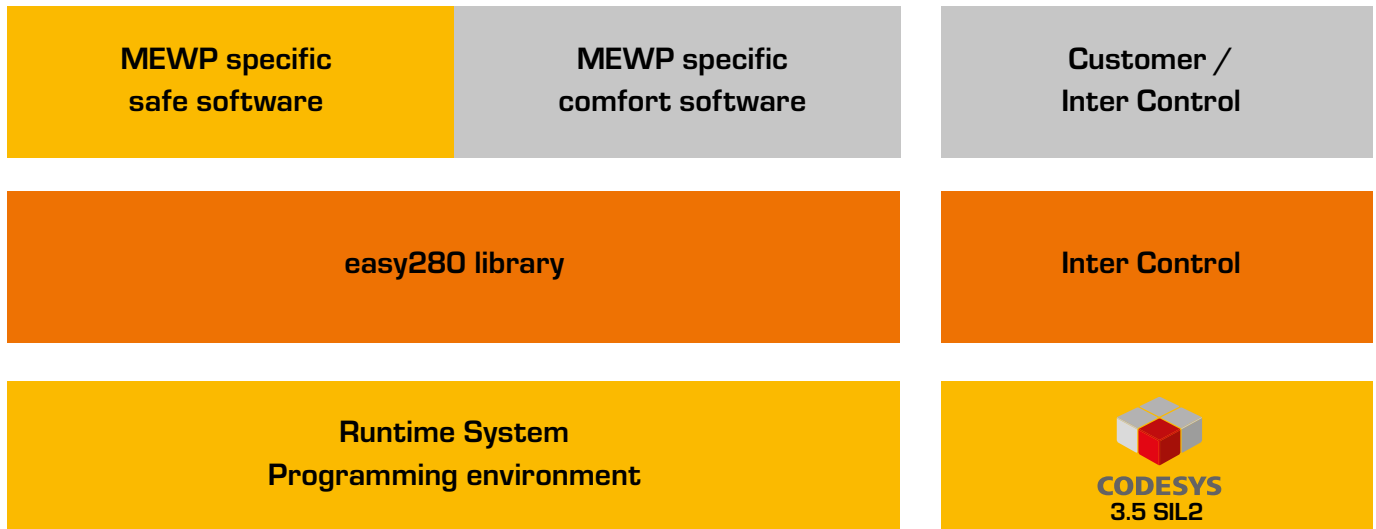
	 No outriggers	 2 outriggers	 4 outriggers
Both sides	✗	✓	✓
One side only	✗	✓	✓
Only one extension	✗	✓	✓
2-3 extensions	✗	✓	✓
Full variable extensions	✗	✓	✓
Wheels on ground	✓	✓	✓
Fully elevated & leveled	✗	✓	✓

Electrohydraulic outrigger operation:

- | | | |
|---|--|-------------|
| ■ Manual leveling | ■ Chassis level detections | Safe |
| ■ Automated leveling (optional) | ■ Outrigger ground detections | Safe |
| ■ Automated driving position (optional) | ■ Outrigger position monitoring | Safe |
| | ■ Variable outrigger position (optional) | Safe |
| | ■ Mode selection chassis/boom operation | Safe |

We deliver: complete modular software package

Control system – Software structure



LMI functionality according to EN 280:2016:

Load sensing and position control **Safe**

- Load sensing system
(measurement of cage load or moment)
- Position detection system
(measurement of angles and outreach)
- Position control by comparison with load chart

Load and moment sensing system **Safe**

- Load sensing system
(measurement of moment or cage load)
- Position detection system
(measurement of angles and outreach)
- Calculation of overturning moment
based on model specific formula

Optional comfort functions

- Basket rotation
- Automated homing
- Basket folding
- Crash prevention
- Work area limitation
- Window cleaning operation
- Automated targeting /teach in function
- Tunnel mode

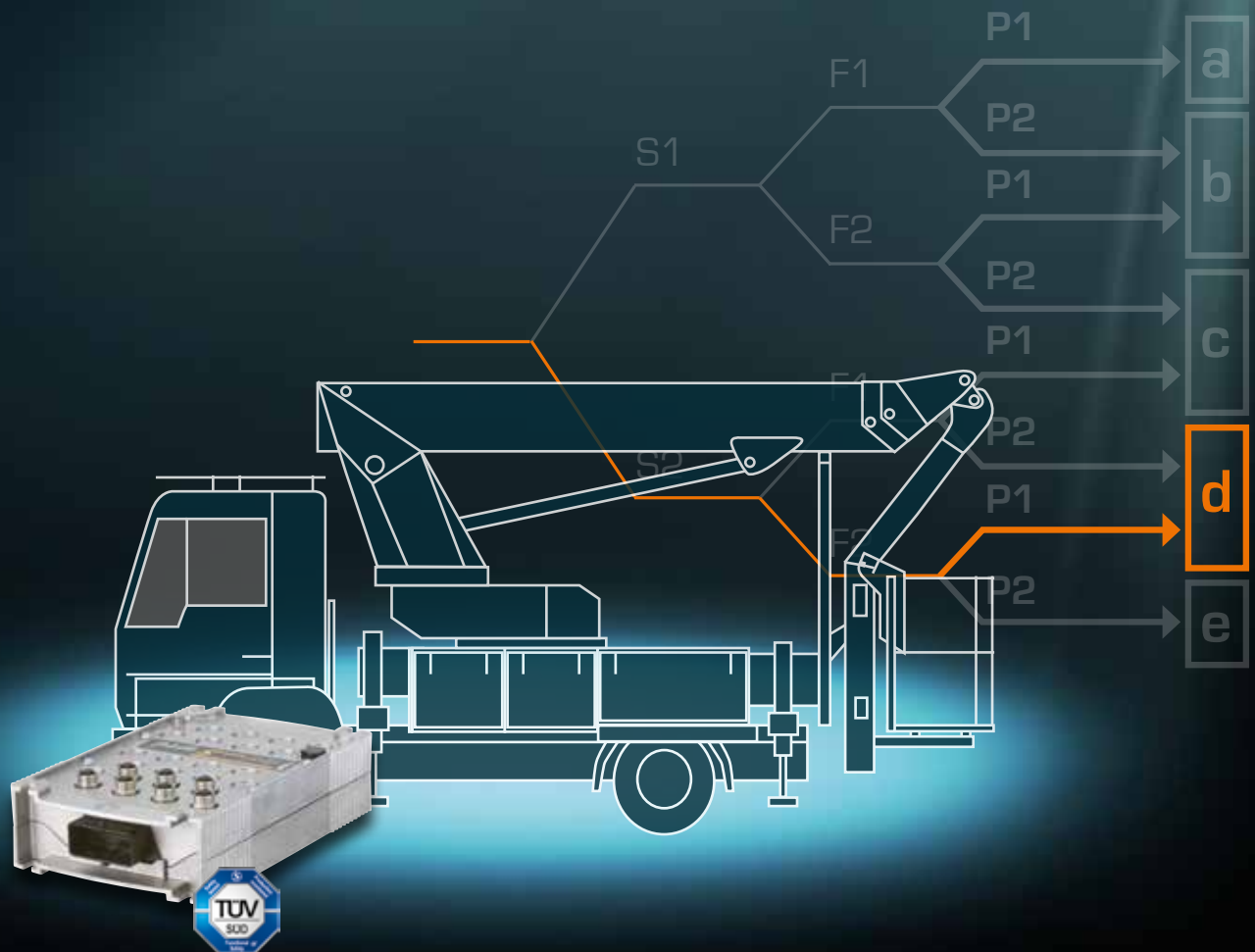
Inter Control

Hermann Köhler Elektrik GmbH & Co. KG
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Reliable Innovations



***easy*280**

**Control Solution for
Mobile Elevated Working Platforms**

Inter Control

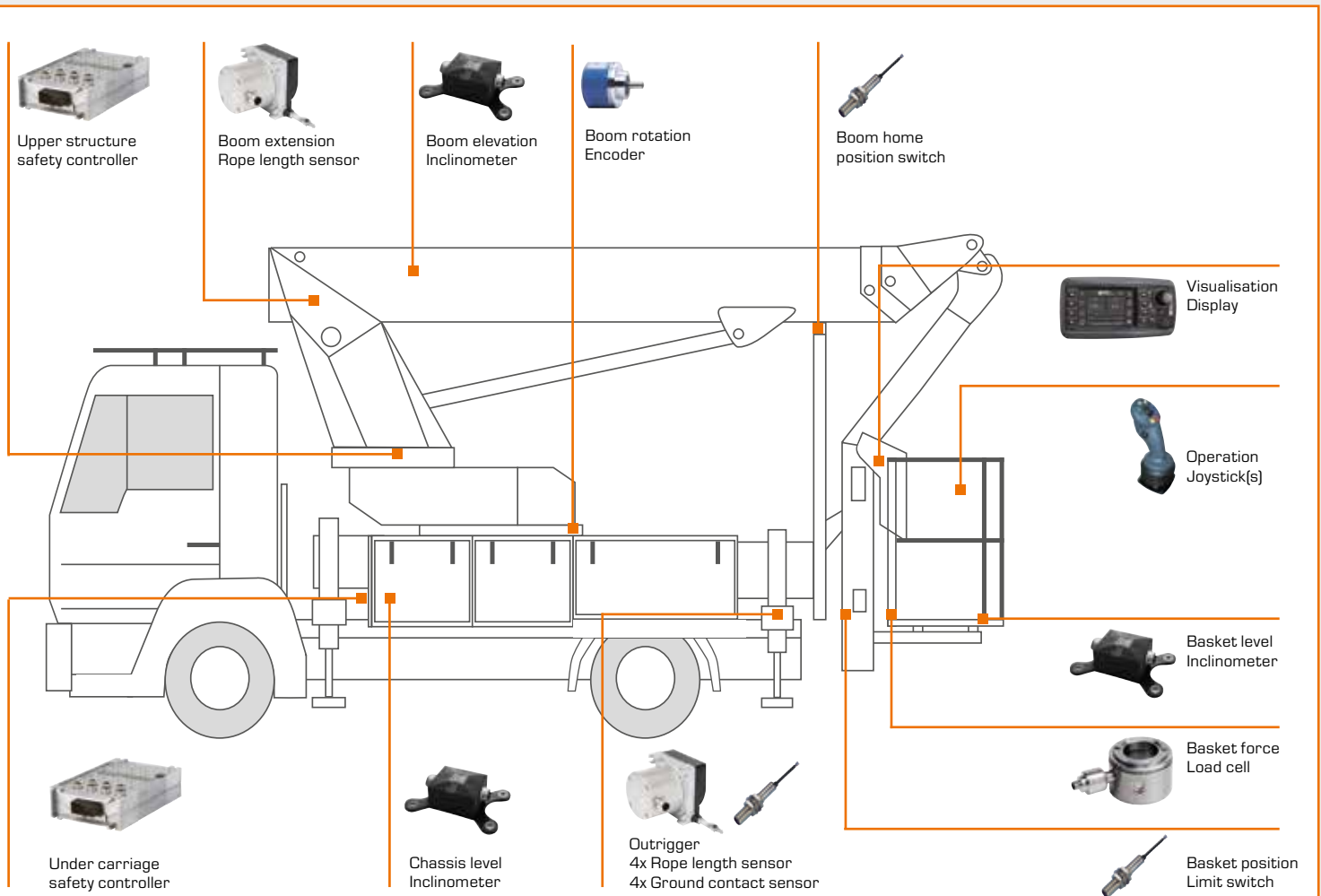
- provides control systems for elevated working platforms since 1990
- has profound experience in small, medium and big elevated working platforms, rescue platforms and firefighting ladders
- has a portfolio of safety controllers, dedicated to mobile elevated working platforms
- is experienced in the application of EN 280, EN 14043 and EN ISO 13849
- is actively participating in the EN 280 standardization group CEN/TC98 WG1
- supports its customers with a team of TÜV certified Functional Safety Engineers



We design:

complete hardware systems based on our safety controller

***digsy*[®] fusion S**



Communication of components:

- J1939 to engine
- CANopen Safety communication for sensor to safety controller
- Safe cross communication between safety controllers
- Ethernet to router/modem
- Limit switches via safe digital inputs
- Operation data via USB

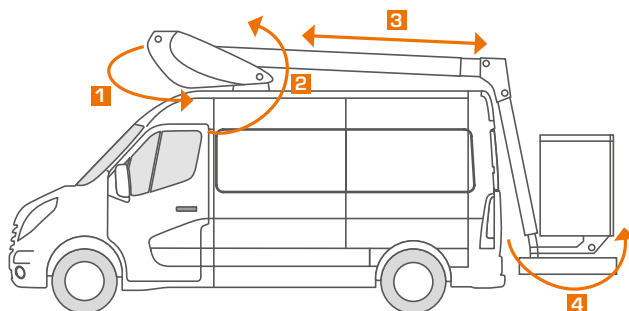
Upon request we can support you in:

- Elaboration of the system concept
- Elaboration of the safety concept
- ...
- Up to supporting you during the setup of the machine and accompanying you while the approval process of a notified body

We provide:
movement control for various sizes of vehicles

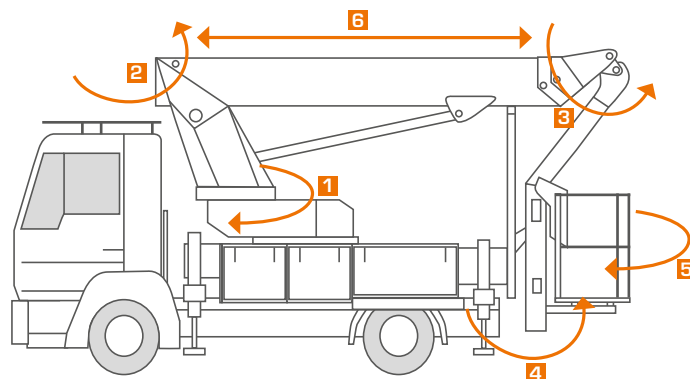
Small

- 1 Turning of boom
- 2 Lifting of boom
- 3 Telescop
- 4 Basket leveling



Medium

- 1 Turning of boom
- 2 Lifting of boom
- 3 Lifting of fly boom
- 4 Basket leveling
- 5 Turning of basket
- 6 Boom telescop



Large

- 1 Turning of boom
- 2 Lifting of first boom
- 3 Lifting of second boom
- 4 Lifting of fly boom
- 5 Basket leveling
- 6 Turning of basket
- 7 First boom telescop
- 8 Second boom telescop

