



## *easy280*

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

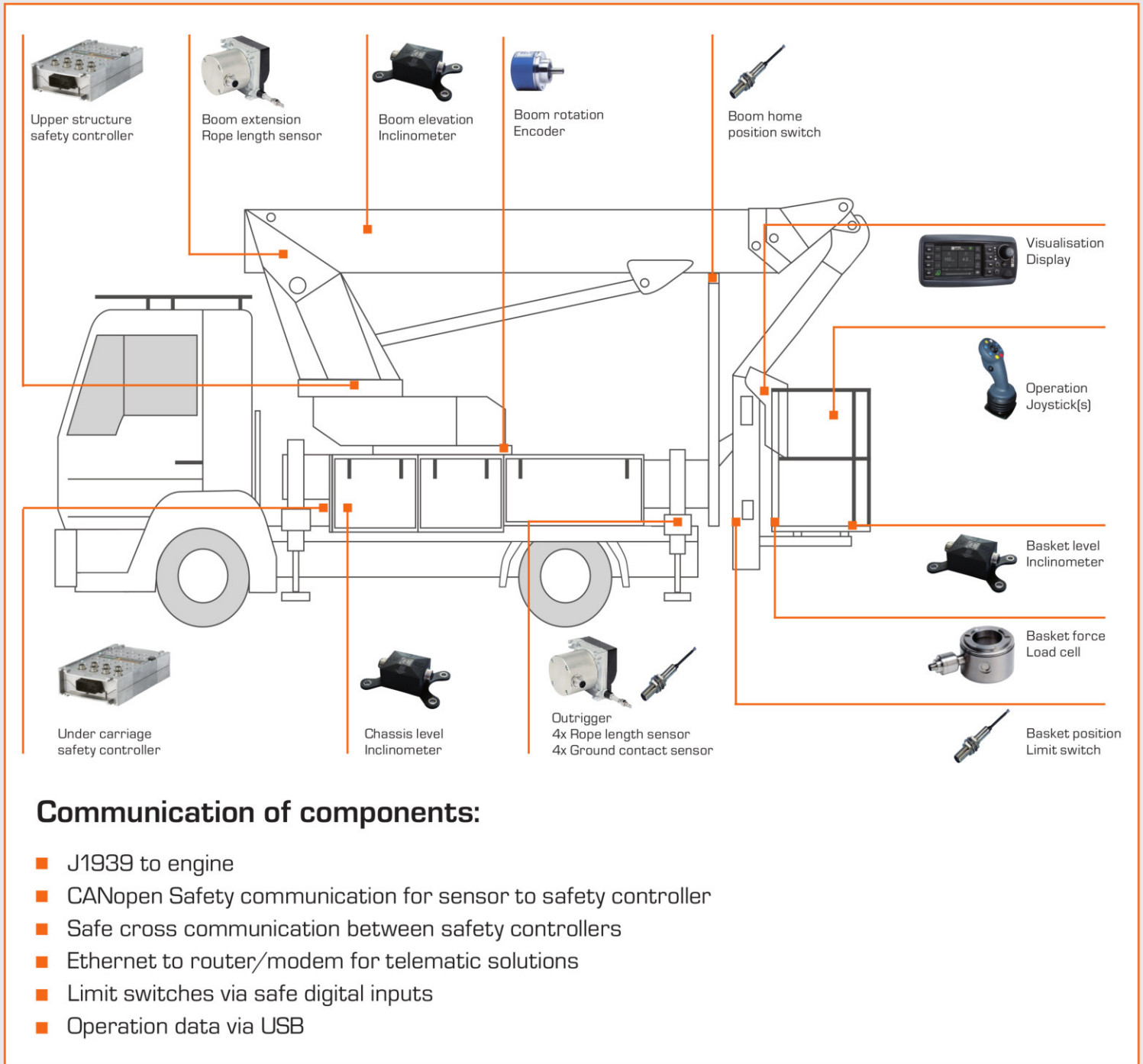




## We support:

Hardware System design based on our safety controller

*digsy*<sup>®</sup> fusion S



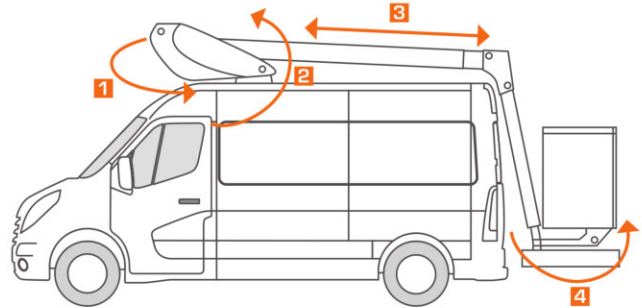
## Upon request we can support you in:

- 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

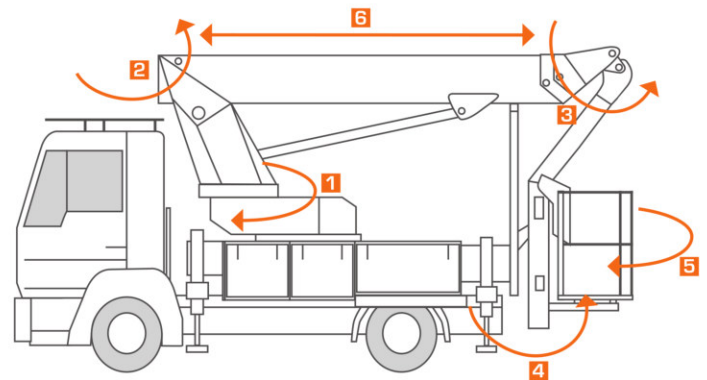
### Small

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



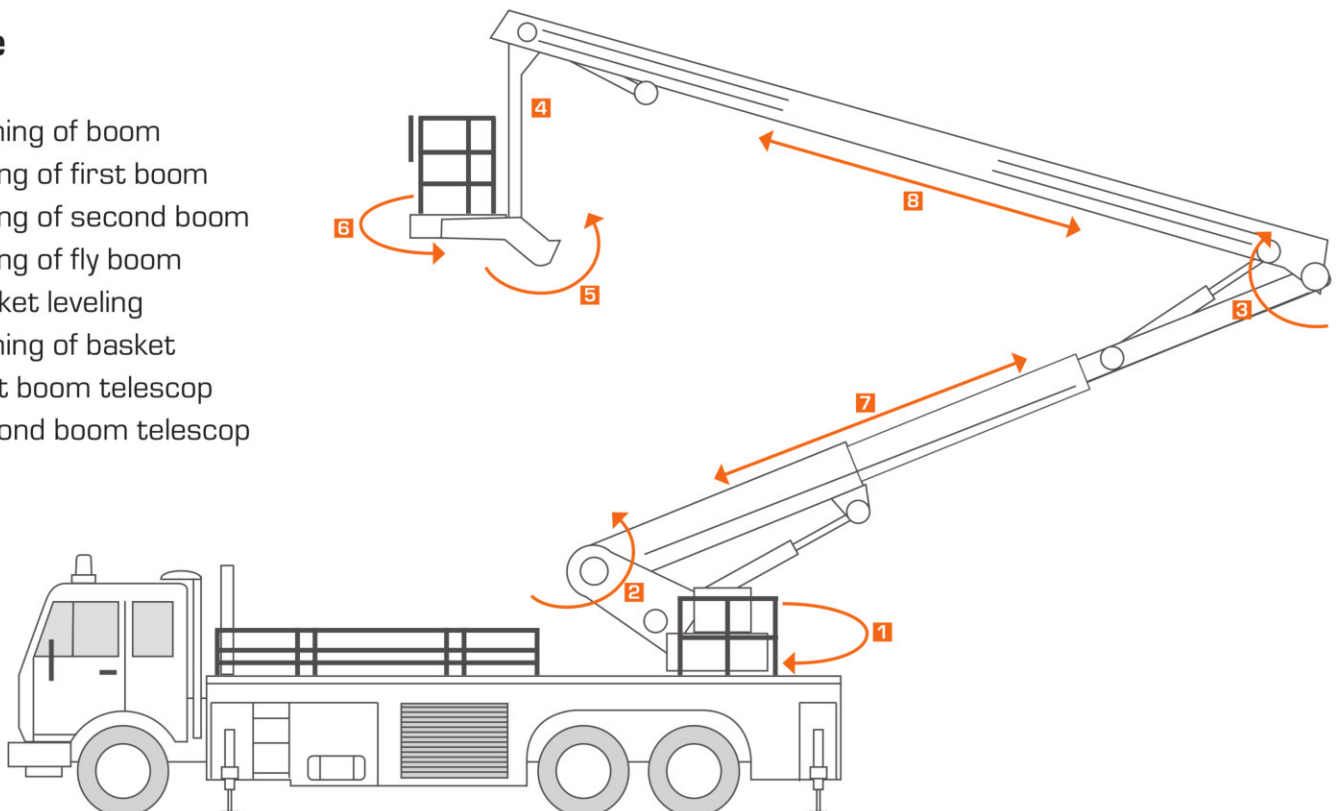
### Medium

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

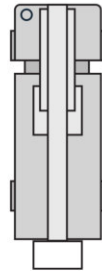


### Large

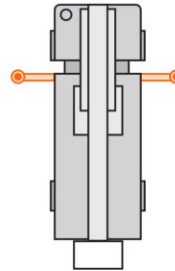
- 1** Turning of boom
- 2** Lifting of first boom
- 3** Lifting of second boom
- 4** Lifting of fly boom
- 5** Basket leveling
- 6** Turning of basket
- 7** First boom telescop
- 8** Second boom telescop



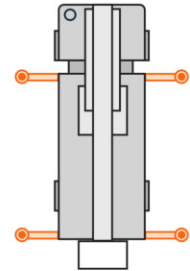
## We take care about: Outrigger configurations



No outriggers



2 outriggers



4 outriggers

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

### Electrohydraulic outrigger operation:

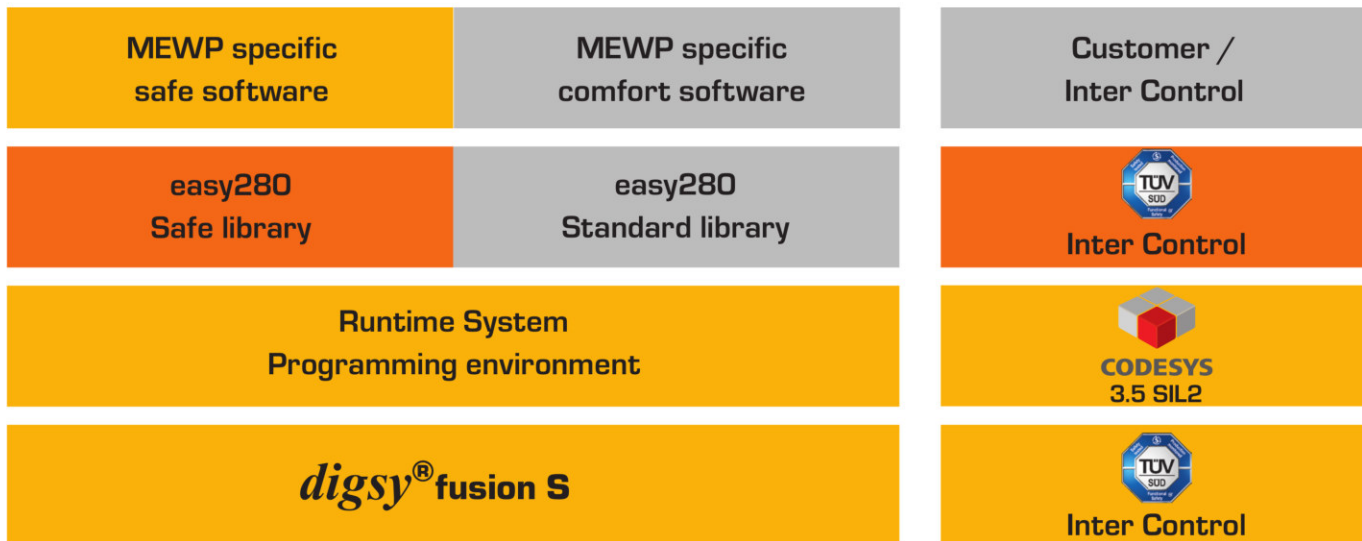
- |                              |   |             |
|------------------------------|---|-------------|
| ■ Manual leveling            | ■ Chassis level detections              | <b>Safe</b> |
| ■ Automated leveling         | ■ Outrigger ground detections           | <b>Safe</b> |
| ■ Automated driving position | ■ Outrigger position monitoring         | <b>Safe</b> |
|                              | ■ Variable outrigger position           | <b>Safe</b> |
|                              | ■ Mode selection chassis/boom operation | <b>Safe</b> |

## Safety controller *digsy*<sup>®</sup> fusion S – optimized for MEWPS

- Certified according to EN ISO 13849 for safety functions up to performance level d, category 3
- Extensive memory with file system e.g. for load tables
- Integrated data logger
- 4 CAN Interfaces (CANopen, CANopen Safety, J1939 and proprietary)
- Lifetime: 20 years

## We deliver: complete modular software package

### Control system – Software structure



### LMI functionality according to EN 280:

#### 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 vehicle specific formula

### Comfort functions

- Automated homing
- Collision prevention
- Work area limitation
- Tunnel mode

### Optional functions

- Basket rotation
- Basket folding
- Window cleaning operation
- Automated targeting/teach in function

**Inter Control**  
Hermann Köhler Elektrik GmbH & Co. KG  
Schafhofstraße 30  
D-90411 Nürnberg, Germany  
Fon +49(0)911 9522-5  
Fax +49(0)911 9522-857  
Email: info@intercontrol.de  
Internet: www.intercontrol.de

The properties mentioned in this brochure are not assured properties.  
Subject to technical change without prior notice.

Printed in Germany  
04-75076000-02

*Reliable Innovations*