



**Emission free  
and low-noise:  
our e-crane**

**Electric Crane:  
No Emissions -  
No Noise!**

Vorne



**HÜFFERMANN**  
krandienst

[www.hueffermann.com](http://www.hueffermann.com)

KUKA



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## YOUR PARTNER – HÜFFERMANN.

As a company with over 100 years of experience as vehicle manufacturer and over 50 years with crane services we are future-oriented. Our safety certification SCCp guarantees reliability and soundness and is rechecked every year. Rolf Hüffermann and Daniel Janssen run the company today. By many years of experience in the crane service and as vehicle manufacturer we have developed a special crane truck, which exclusively operated electrically – in driving mode and crane operation. Employees from all departments involved their know-how in this innovation. Directly on the spot at the clients we have seen which requirements such a special crane has to fulfill. With this ideas we have created the elec-

tric crane. So the experience of the vehicle construction, the crane service and the heavy-duty assembling has been integrated into the construction.

### Your team.

Our project manager and technical contacts have many years of experience in crane services and so they know about the high demands of the customers. Our educated and trained vehicle manufacturer implement these details on the crane construction.

## ELECTRIC LOADING CRANE: EMISSIONS FREE AND NOISELESS

Everyone talks about electrical mobility, but Hüffermann is implementing it today. Do you need a versatile and efficient crane for construction, installation and maintenance work? One that can be used free of exhaust gases, emissions and noise within a narrow space, such as a hall?

Then we have the right solution for you: our new electric crane meets these requirements precisely. Highly manoeuvrable and compact, it delivers outstanding performance and can be used flexibly and with no damage to the environment.

The variable telescopic supports permit a variety of applications – even under challenging site conditions. The remote-control operating feature enables the operator to work directly on the load and thus have the best possible overview of the job.

### What we offer you.

- » 100 % electric drive for crane & vehicle operation
- » 270° steering, different steering programs
- » Pick & Carry function up to 8 tons
- » comprehensive telematics
- » Max. range of 29,10 meters
- » Max. lifting capacity of 10.400 kilograms



#### QR-CODE/WEBLINK

Additional information and videos can be found on our website.



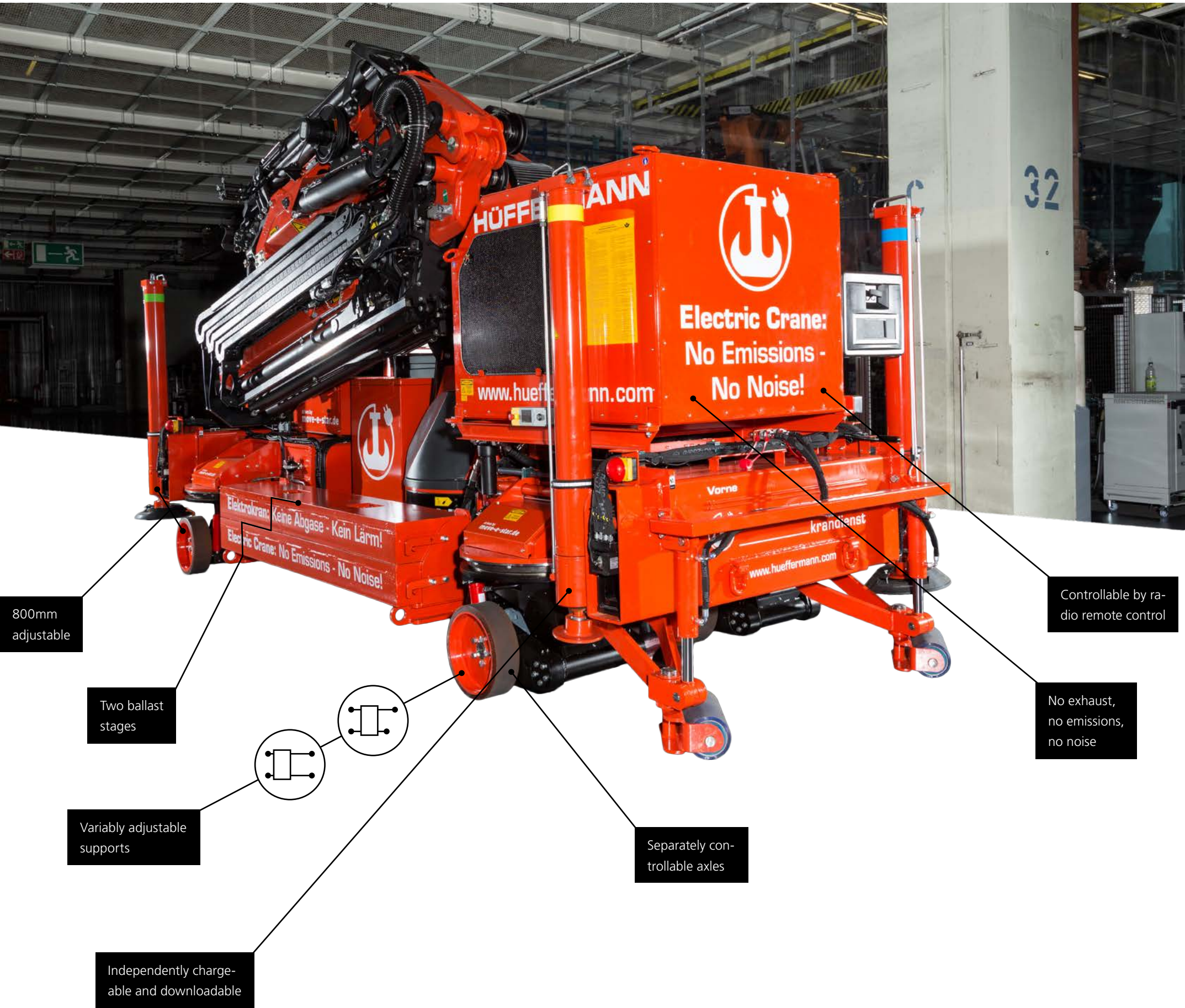


# UNDERCARRIAGE.

The in-house engineered chassis of the electric crane is optimally designed for working in tight spaces and is driven exclusively by electricity, using the battery or power cables (16 or 32 A). It should be noted that the battery charges through a power surplus that is produced even when the crane is operating off power cables.

The crane can be unloaded using its own support system right at the operating site. It is capable of rising 1.2 m so that ordinary trailers can pass underneath it. Because of its structural design, the crane is also very manoeuvrable and the all-wheel steering and multiple steering programmes also make it possible to control the crane in very tight places. Two control options of 45 and 270 degree steering angles are possible. In addition, it creates fully ballasted gradients of up to 10%. Using radio remote control operation, the crane operator is in a position to view all sides of the equipment.

It has an overall length of 5.6 m and a width of only 1.99 m. Thus, it is no wider than a normal passenger car and can pass through the narrowest of gaps. In addition, its supports are variably telescopic, the forward support beams being laterally adjustable by 800 mm. Furthermore, using the two adjustable ballast stages, the crane can be adjusted to the requirements of the work site. Because of this, the undercarriage, can be adjusted to provide higher capacity or less base weight. The maximum support pressure is 15 tonnes, distributed over 4 square metres. Consequently, there is less support pressure than there is with a forklift.



800mm adjustable

Two ballast stages

Variably adjustable supports

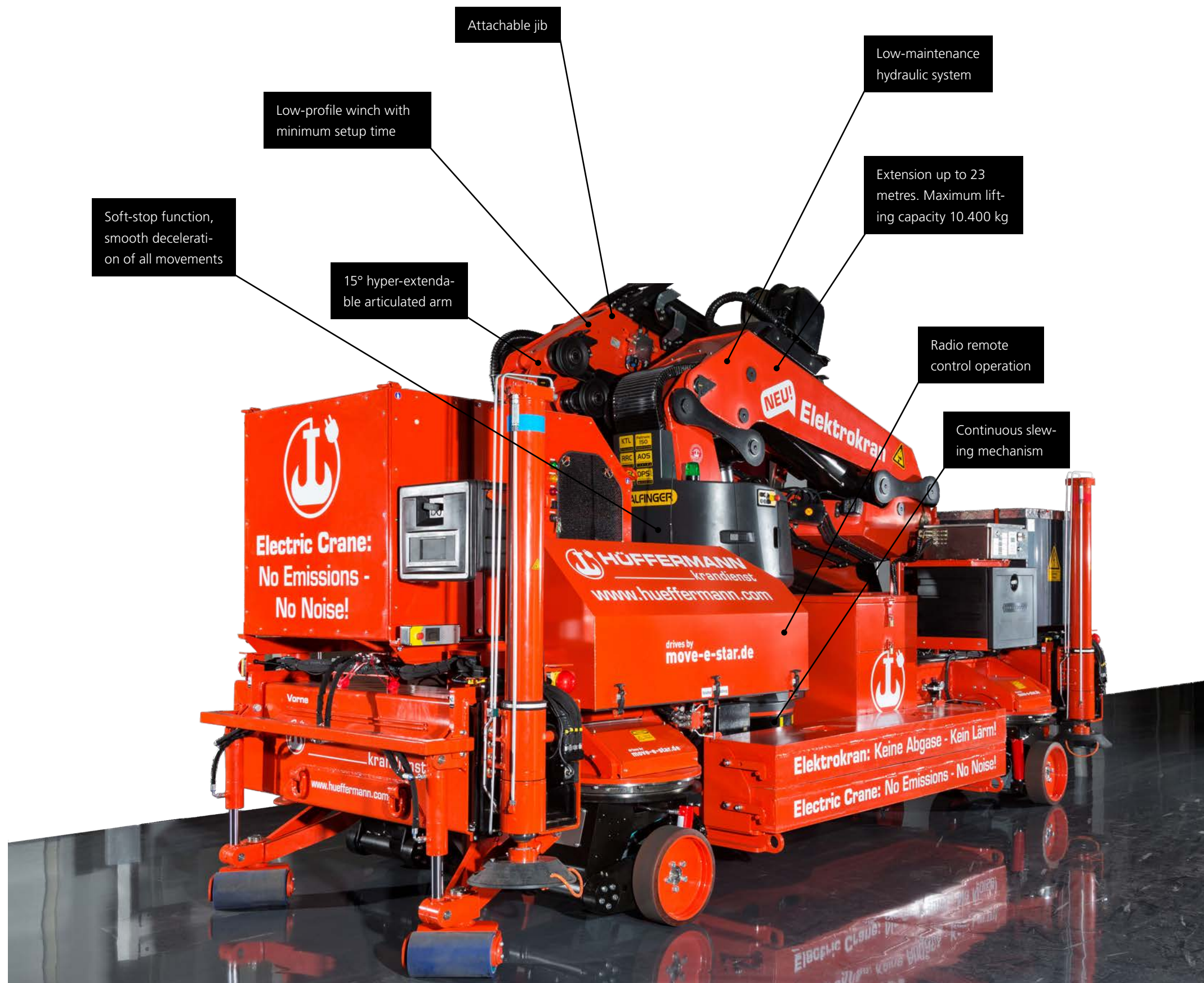
Independently chargeable and downloadable

Separately controllable axles

Controllable by radio remote control

No exhaust, no emissions, no noise





## UPPER STRUCTURE.

The body of the electric crane is driven exclusively by electricity, using either the battery or power cables.

Based on the reliable Palfinger PK 53002-SH loading crane, our design has only one power unit and is thus lighter and more compact than the prototype of our electric crane. It has a continuous slewing mechanism and a low-maintenance hydraulic system. Extended 4 m, the crane can lift 10.5 tons, while it can lift 2.5 ton when extended 16 m. The maximum extension is 29.10 m. Using the 15° hyper-extendable articulated arm, obstructed areas can be accessed.

In addition to the soft-stop function, which allows smooth deceleration of all of the crane's movements, the electric crane also has a vibration damping system that balances the vibrations and shocks that occur during operation of the crane. In addition, for work in refineries, a feature can be offered that provides for an individual emergency stop function and an explosion-proof electrical system.

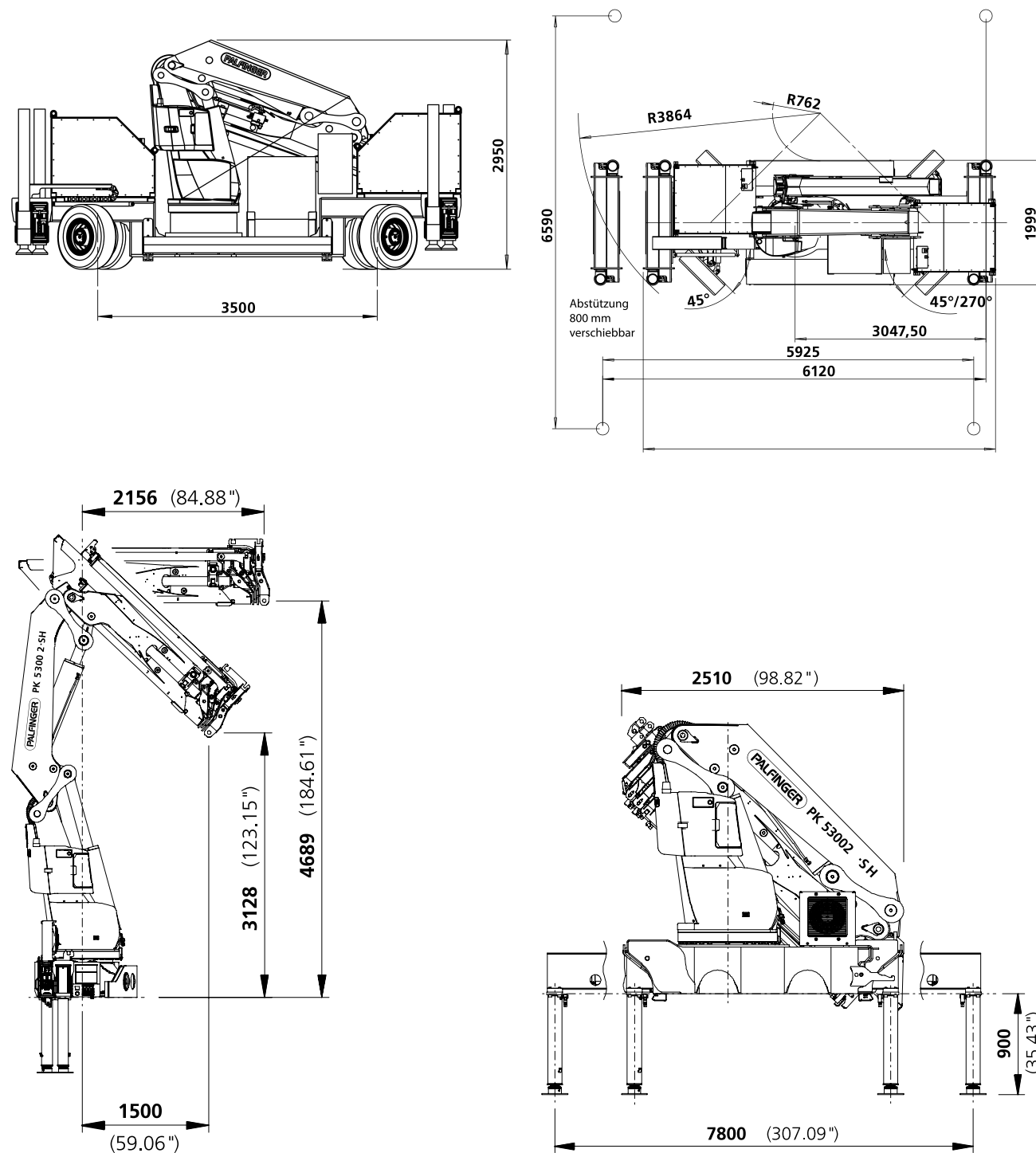
An optional camera system also make unmanned operation in danger zones and tunnel systems possible. Moreover, the electric crane has a low-profile winch with minimum setup time. Through synchronous winch control, the distance between the lower block and the pulley head is kept constant as the crane arm moves. In addition, an automatic line tensioner is provided for greater safety. A jib can be attached.

With the pick-and-carry function it's possible to lift and to move loads up to 8 tons. Additionally the crane has integrated telematics with comprehensive monitoring, alarm functions, maintenance modules and operator permissions.

## DIMENSIONS.

The Höffermann electric crane is designed so that it can pass through the narrowest openings. The chassis has a width of only 1.99 metres and thus is no wider than a normal passenger car. With an overall height of 2.95 metres, it can pass through the lowest opening. This feature enables operation even in low-rise buildings and halls.

The narrow width of the vehicle and the wheels that can be angled to 45° make millimetre-precise manoeuvring possible, even when there is little room between installed machinery and other installations. Because of the compact foldable crane arm with a continuous slewing mechanism, the electric crane also has no problem reaching concealed and tightly fitted areas.

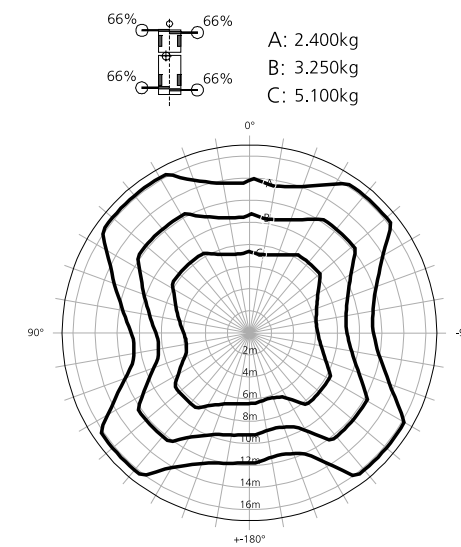


## LOADS.

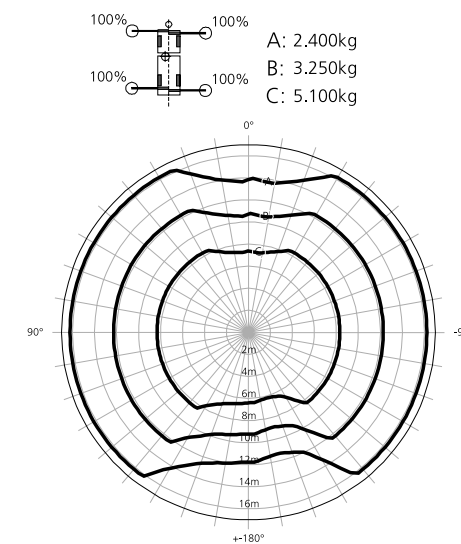
The load capacity of our electrical crane is also quite impressive. With the supports lowered by just 33%, the crane has a load capacity of 2.3 tonnes at 16 m, 3.1 tonnes at 12 meters and 4.85 tonnes at 8 m.

With the supports completely extended, the electric crane can lift loads of up 5.1 tonnes at 8 m and 2.4 tonnes at 16 m. Despite its small dimensions, it can still lift heavier loads than any other crane of its size.

### 66% Auslegerhub.



### 100% Auslegerhub.

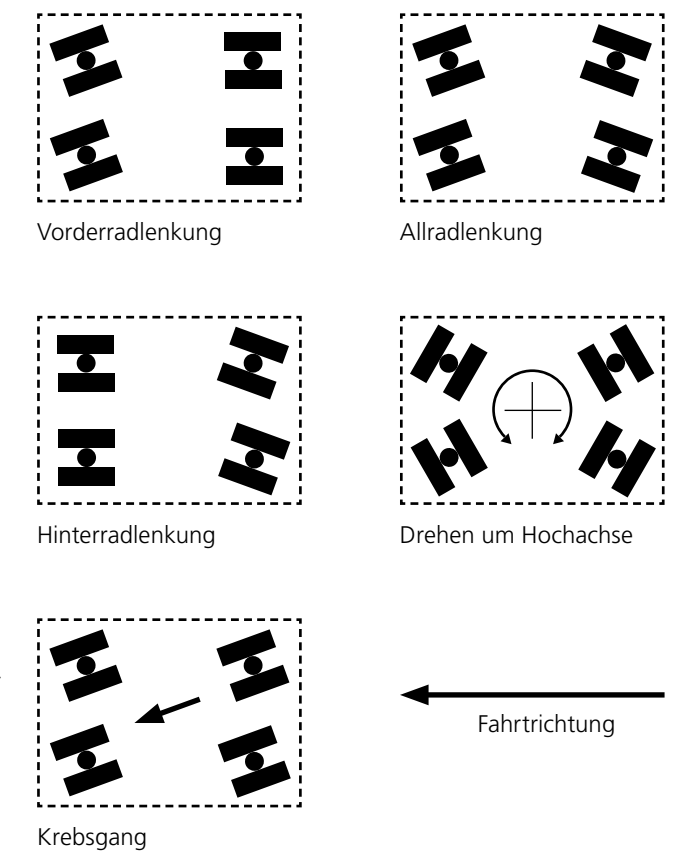


- Stütze nicht aktiv
- Stütze aktiv
- % Auslegerhub

## STEERING PROGRAMS.

It's possible to move the electric crane with different steering programs. Because of the separate controllable axes and the steering angle of max. 270°, the crane can be maneuvered free and placed perfectly with a high precision. The crane can perform a lengthwise and a crosswise driving and can be also operated in a free mobility program. So an optimum maneuverability for narrow driving lanes and rooms is ensured.

### Lenkarten.

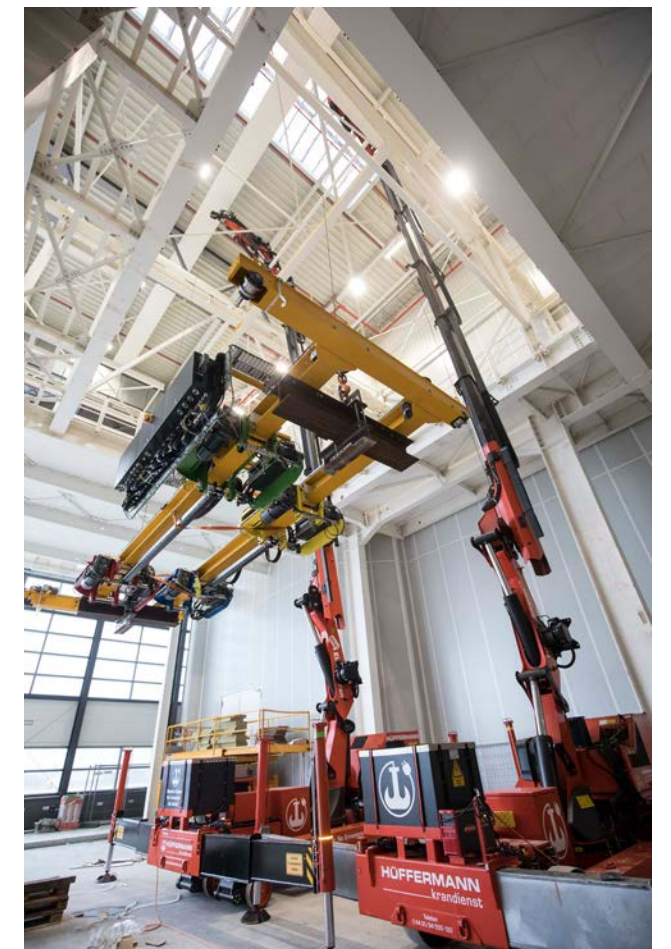
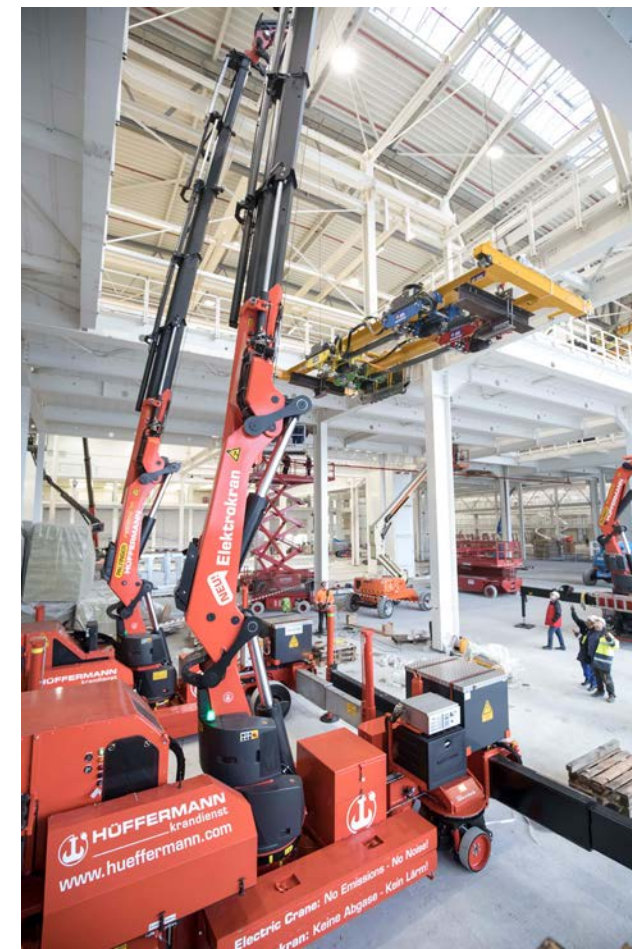
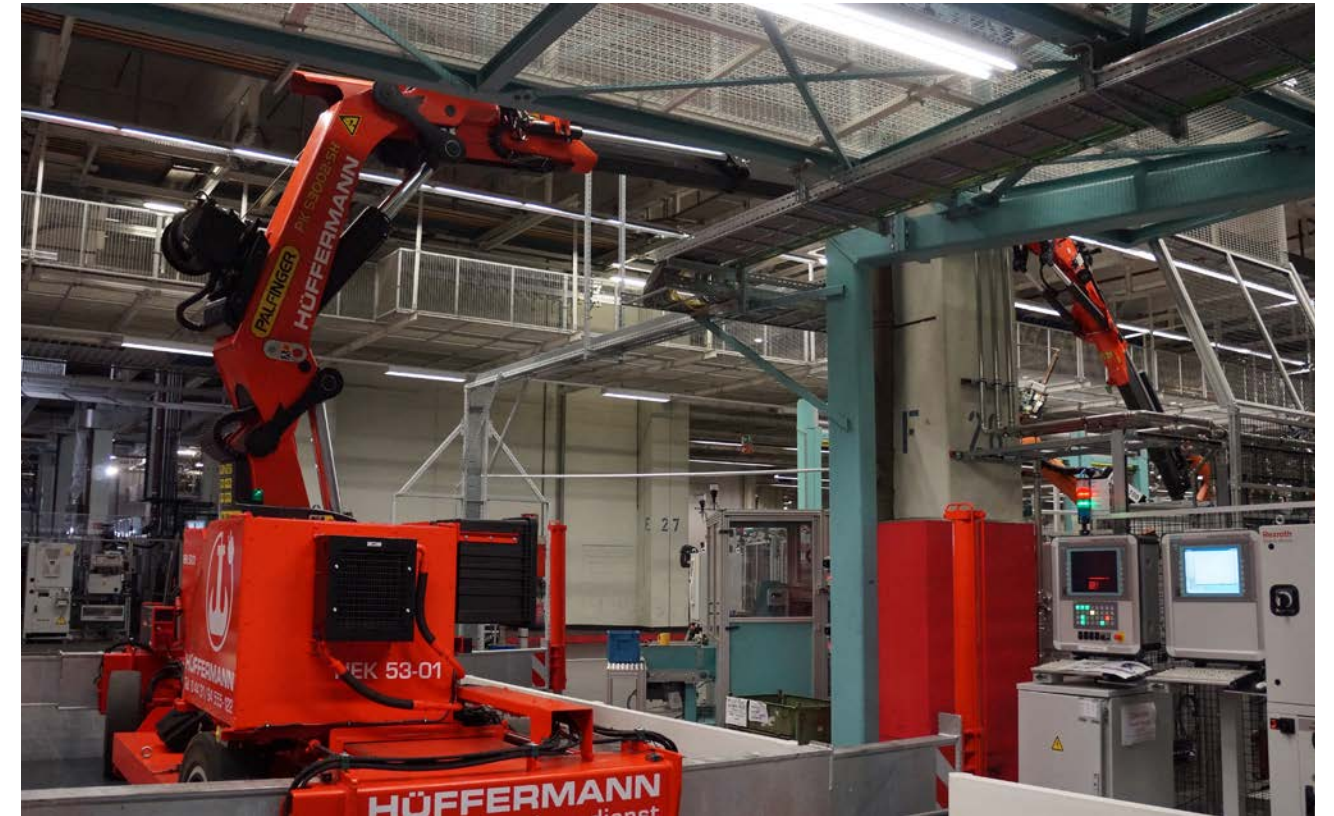
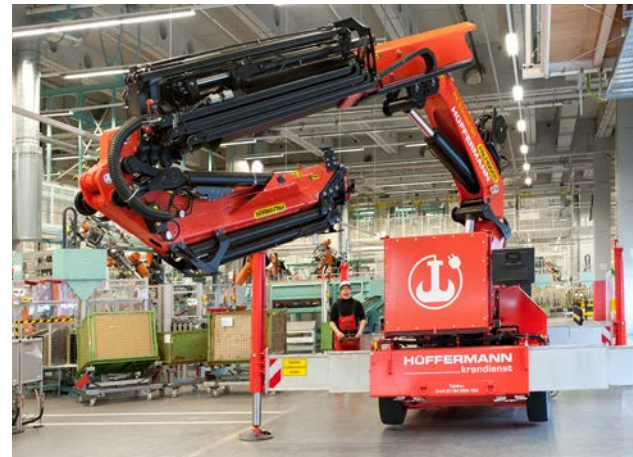
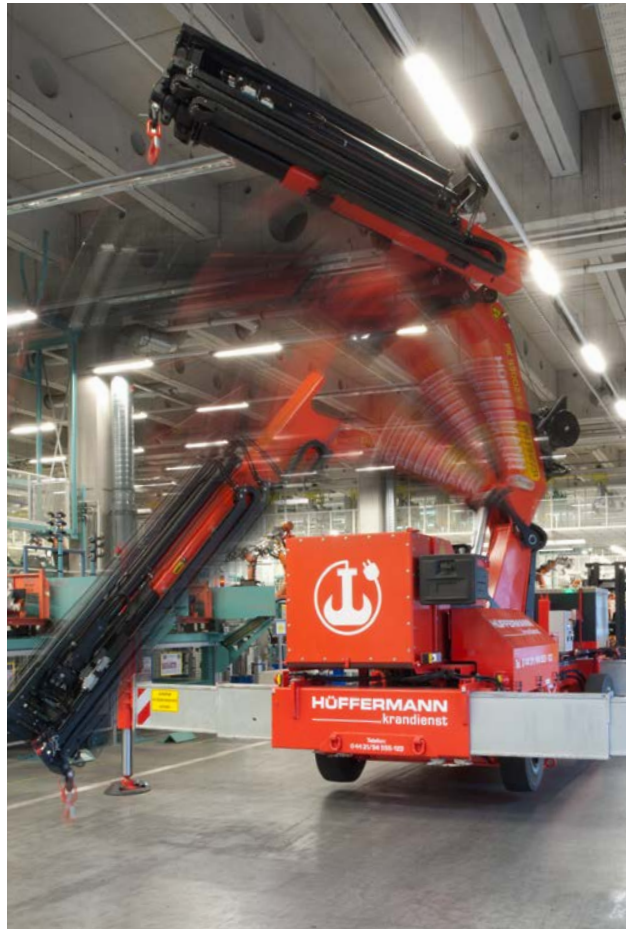


Fahrtrichtung



# HÜFFERMANN E-CRANE IN USE.

Gallery



Gallery





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