



# Maritime cranes

Company presentation  
2026

# LIEBHERR

Liebherr-MCCtec Rostock GmbH

# Agenda

- 1 Liebherr Group
- 2 Liebherr-Mcctec GmbH
- 3 Product Range
- 4 The LHM
- 5 LiSIM move

**01**

# **The Liebherr Group**

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# Factsheet: Group overview (2024)



1949

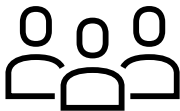
Founded by Hans Liebherr in  
Kirchdorf an der Iller,  
Germany



Parent company  
**Liebherr-International AG**  
based in Bulle, Switzerland

Liebherr is a  
family-run  
technology  
company

13 Product segments



54,728  
Employees

>40  
Production sites



14,622  
Revenue in € mio

>150  
Companies

# 11 Divisions



**EMT** Earthmoving



**LMT** Concrete technology



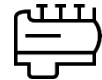
**HAU** Refrigerators and freezers



**MIN** Mining



**MCC** Maritime and Construction



**COT** Components



**LWE** Mobile and crawler cranes



**LBC** Tower cranes



**HOT** Hotels



**LVT** Gear technology and automation systems



**AER** Aerospace and transportation systems

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- In organisational terms, Liebherr is a **technology company** that is divided into independently operating divisions.
  - Each product segment is divided into manufacturing, sales and service companies, which are managed and operated by their divisional parent companies.

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# LDU Divisions

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**Mobile  
Cranes**



**Maritime Cranes &  
Construction  
Machinery**



**Tower Cranes**



**Mixing  
Technology**



**Aerospace &  
Transport  
Technology**



**LIEBHERR**

**LIEBHERR**



The Liebherr Group

# A 100% independent family business



From left to right: Patricia Rüf, Sophie Albrecht, Jan Liebherr, Stéfanie Wohlfarth, Philipp Liebherr, Johanna Platt, Isolde Liebherr und Willi Liebherr

**02**

**Liebherr-MCCtec GmbH**

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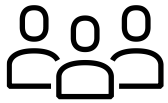


# Locations

## Facts and figures



**€ 1.75 bn**  
Turnover (2024)



**6,009**  
Employees (2024)



**50**  
Companies worldwide





Liebherr-Werk Nenzing GmbH

Liebherr-MCCtec GmbH

## Liebherr Nenzing

(Austria)

Foundation 1976

Total area 254,635 m<sup>2</sup>

Employees\* 1,661 (2024)

Turnover 2024 € 697.8 m

### Products

- Piling and drilling rigs
- Crawler cranes
- Duty cycle crawler cranes

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Liebherr Container Cranes Ltd.

Liebherr-MCCtec GmbH

# Liebherr Killarney

(Ireland)

Foundation 1958

Total area 202,000 m<sup>2</sup>

Employees\* 894 (2024)

Turnover 2024 € 333.7 m

## Products

- Ship-to-shore container cranes
- Container stacking cranes

**LIEBHERR**





Liebherr-MCCtec GmbH

# Liebherr Sunderland

(Great Britain)

Foundation 1989

Total area 68,500 m<sup>2</sup>

Employees\* 202 (2024)

Turnover 2024 € 46.7 m

## Products

- Mobile harbour cranes
- Ship cranes
- Offshore cranes

Liebherr Sunderland Works Ltd.

**LIEBHERR**





Liebherr-MCCtec

# Liebherr Rostock

(Germany)

Foundation 2002

Total area 451.000 m<sup>2</sup>

Employees 1.660

Turnover 492.9 M €

## Products

- Mobile harbour cranes
- Ship cranes
- Transshipment Cranes
- Offshore cranes

03

## Product range

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# Port Equipment

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**LIEBHERR**



# Ship cranes

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**LIEBHERR**



# Transshipment solutions

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# Offshore cranes

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**LIEBHERR**

04

The LHM

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# Mobile harbour crane - LHM

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Versatile all-rounder in  
port handling

# LIEBHERR

Maritime cranes





# Product range



## One machine – many possibilities

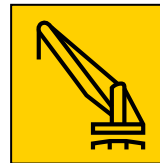


### Container handling

From Coaster ships up to Ultra Large Container Vessels (ULCV).

### Bulk handling

Max material handling rate of up to 2,300 tonnes per hour.



### General cargo

Lifting attachments to be quickly and easily exchanged.



### Heavy lift

Maximum load capacity 308 tonnes at 16 metres.





02 The LHM

## Modularity

### LFS – Liebherr Fixed Slewing

- Fitted on a fixed base column
- Reducing the space required



### LPS – Liebherr Portal Slewing

- Rail-mounted gantry – adaptable for every rail loading
- For quays or wharves where space is limited or traffic is high
- Not restricting for quayside infrastructure and transportation of goods



02 The LHM

## Modularity

### LBS – Liebherr Barge Slewing

- Fitted on barges and pontoons
- Floating crane concept
- Tailor-made to individual requirements

### LPM – Liebherr Portal Mobile

- Gantry which is fitted with rubber tyres
- Combination of LHM and LPS crane
- 360° mobility and all advantages of a gantry crane







## 4-Chord boom

- Maximum stability & stiffness
- Long service life
- Precise crane movement



## Luffing cylinder

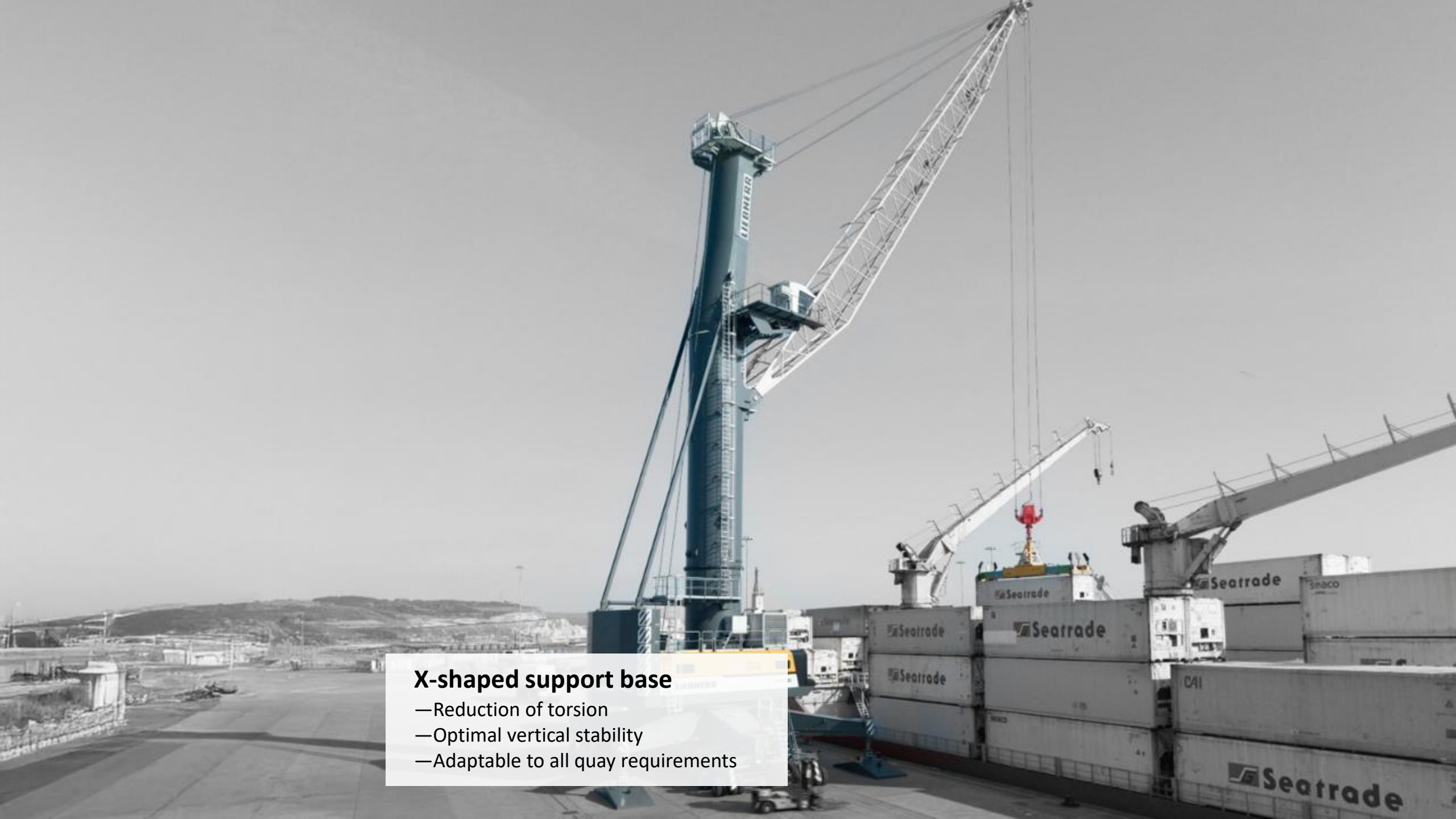
- Increased boom clearance
- Protection from damage
- Less hydraulic oil





## Hydrostatic drive

- Extremely precise control
- Reduced fuel consumption
- Unaffected by temperature



### **X-shaped support base**

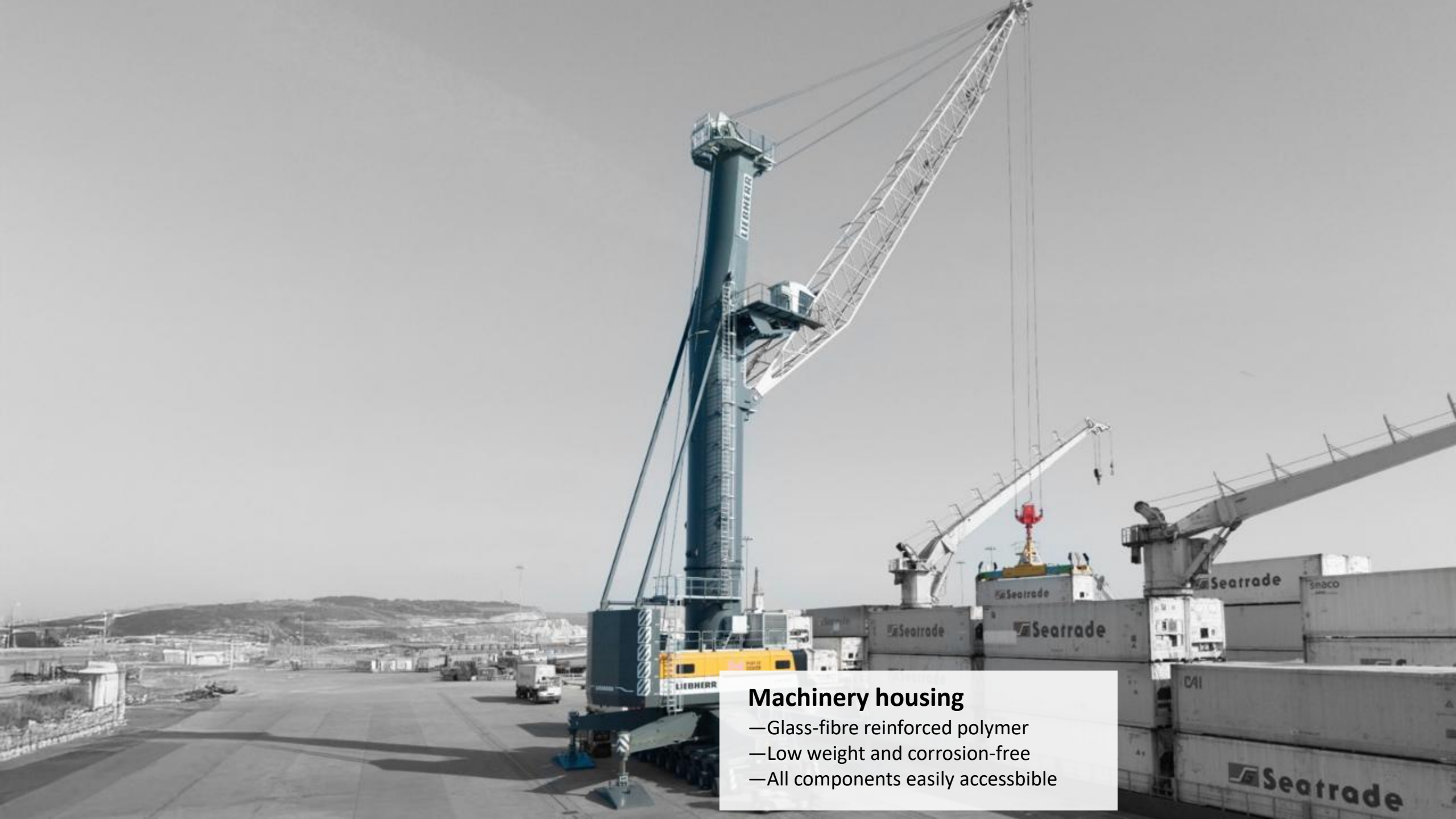
- Reduction of torsion
- Optimal vertical stability
- Adaptable to all quay requirements



## Tubular tower design

- Even distribution of forces
- Minimization of torsion
- Increased service life





### **Machinery housing**

- Glass-fibre reinforced polymer
- Low weight and corrosion-free
- All components easily accessible



### Individual wheel sets

- Individually steerable
- Highest maneuverability
- Ground pressure per wheel  $\leq 6$  t

The LHM

## New Features







The LHM

## Digital fuse monitoring

- Improved overvoltage monitoring
- Triggered fuses are now recorded and shown in the crane control
- No necessity to search triggered fuses for troubleshooting
- Shorten mean time to repair

The LHM

## IP-cameras

- The new ECU allows **multiple IP-camera** implementation (theoretically up to 256)
- **Better image quality** can be achieved through the IP-cameras
- Digital signal processing allows **for easier image storage** and further processing

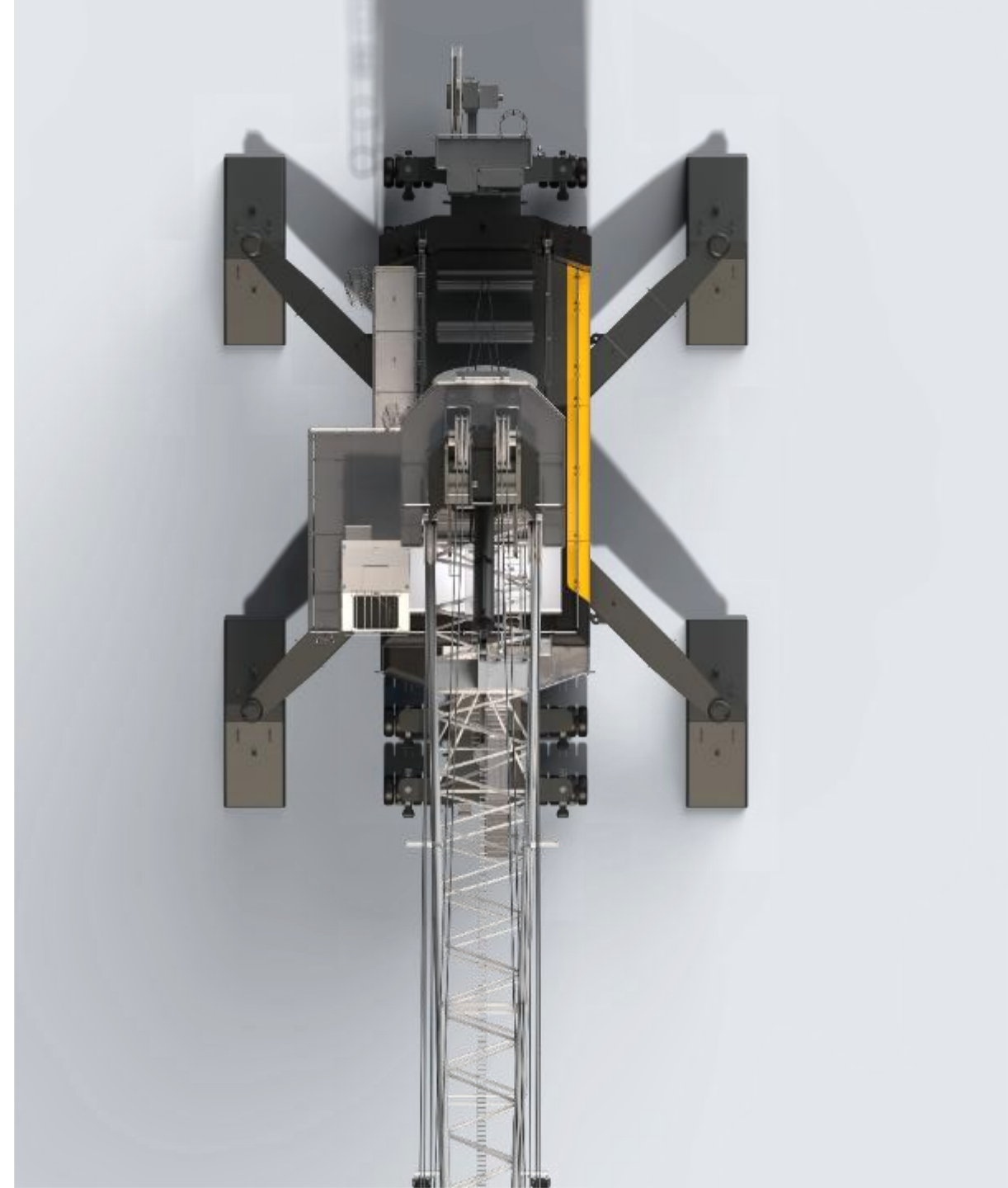


The LHM

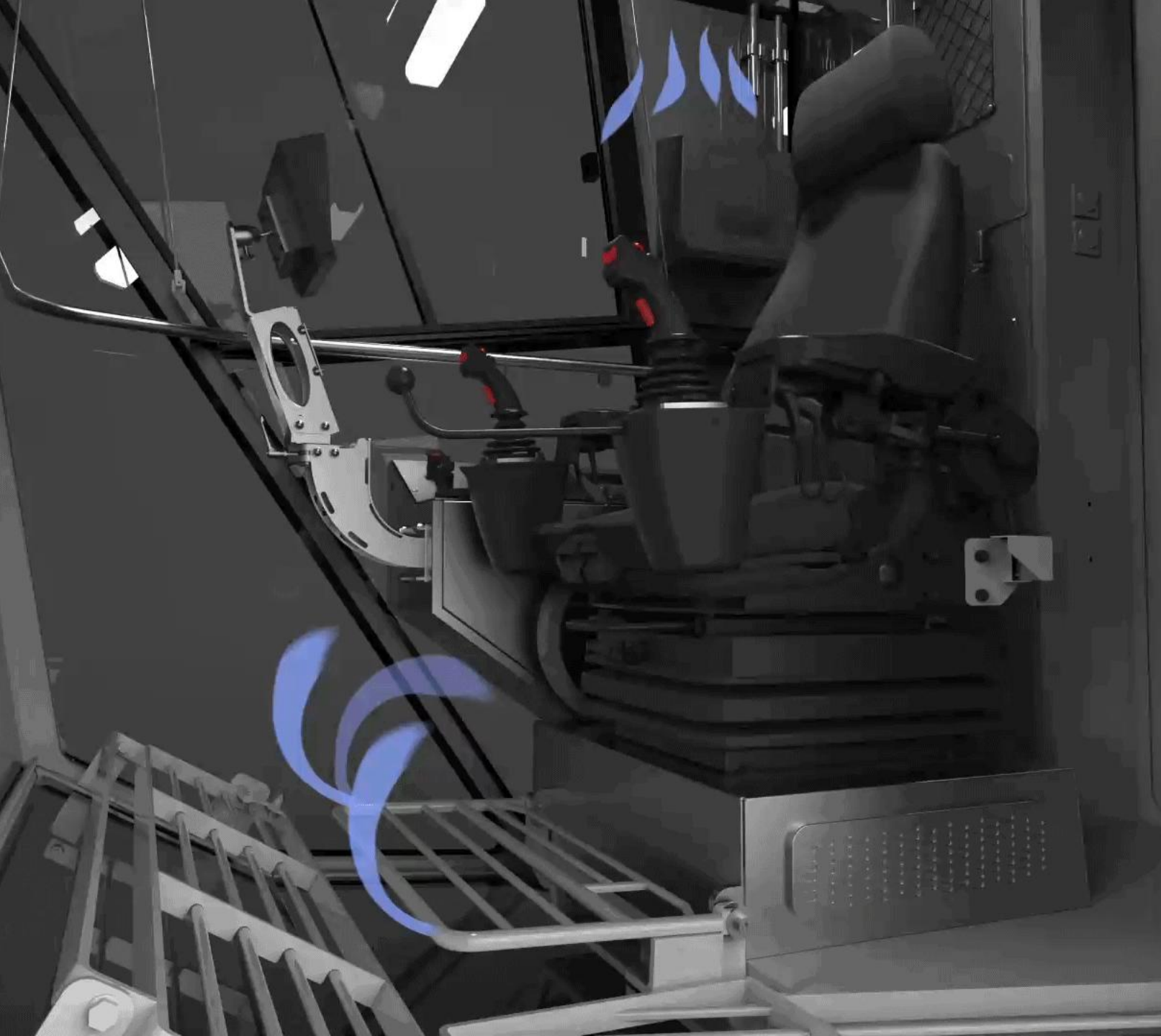
## Flexible supporting base

- Outtrigger position is now an integrated system parameter due to sensor measurement
- Changing the outtrigger position requires only a software update, within technical limits

High degree of flexibility when changing the supporting base







The LHM

## New maritime cabin

- New concept for climate control
- Allows fast dehumidification of windows
- Comfortable flow of cool and warm air

Providing a clear view and  
more safety

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The LHM

## The LHM Unplugged

- Up to **2 km travelling distance** with 260 kWh capacity
- Fully recharged battery within 10 to 12 hours
- Up to **10 years** battery lifetime
- Emergency operation possible

Zero emission traveling for grid connected cranes

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The LHM

# The LHM Unplugged

## LHM Unplugged

Emission-free travel  
meets high-performance handling  
in one electric solution

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Port equipment





## The High Temperature package (HTP)

### Overpressure system:

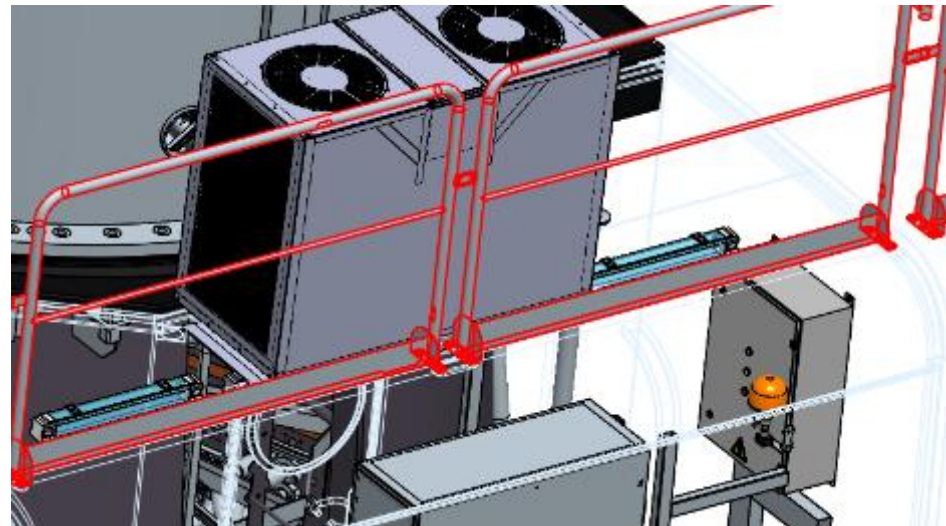
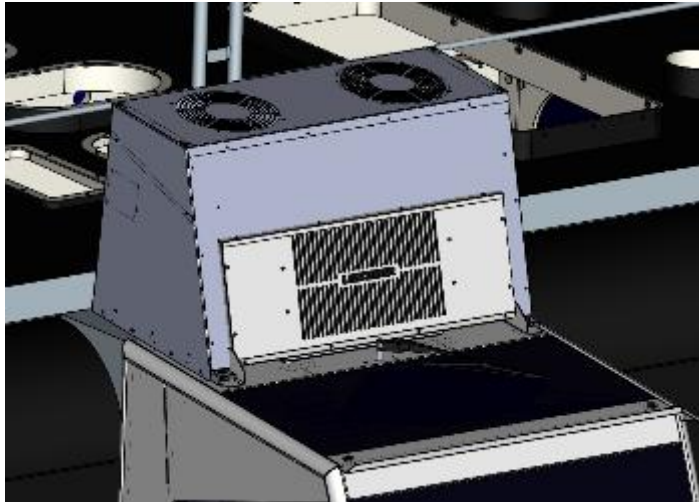
- Cool air from the top of the crane will cool down the engine compartment and reduce the inside temperatures by up to 20K
- Provides additional air circulation to further protect critical components inside the engine compartment



## The High Temperature package (HTP)

### New HVACs:

- New powerful air condition for temperatures up to 60°C available for the slewing platform cabin and switch cabinet compartment.
- All critical electrical components will be placed inside the switch cabinet room

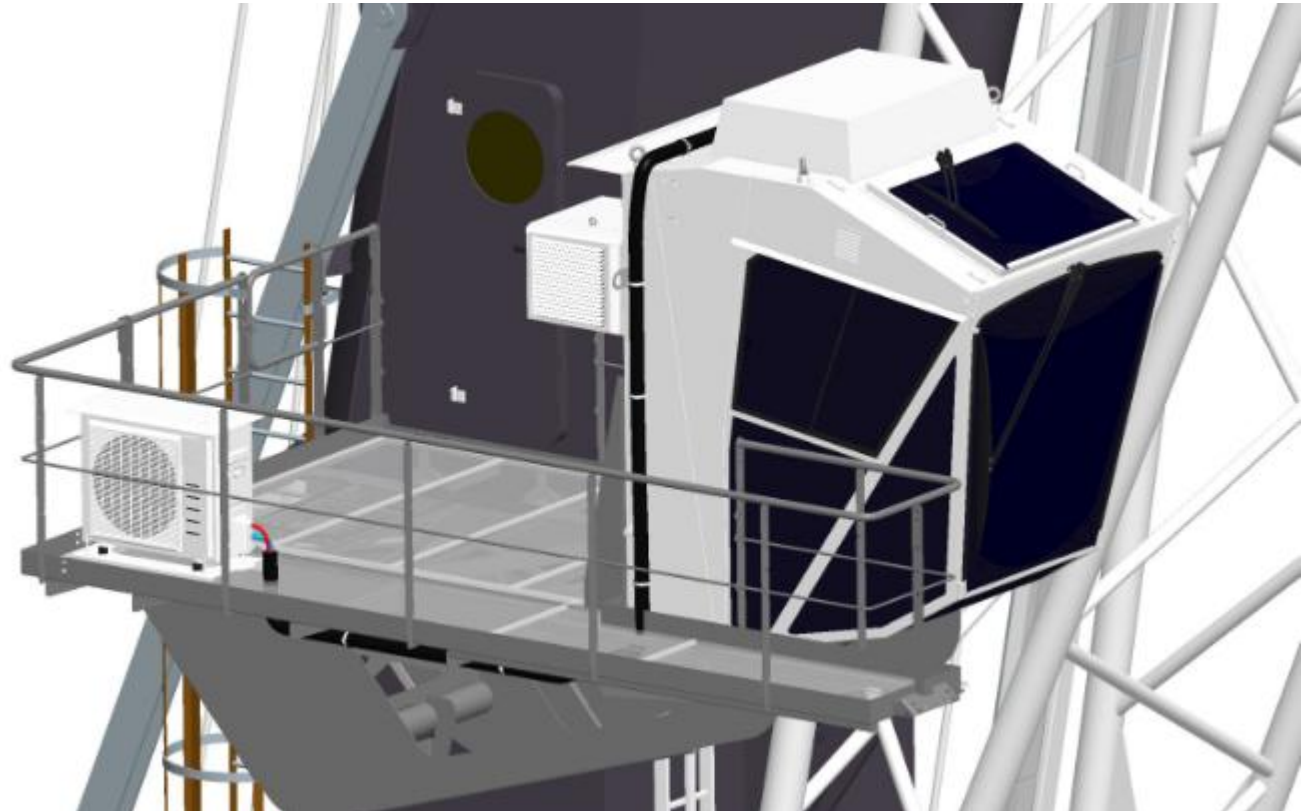




The LHM

## The High Temperature package (HTP)

New tower cabin with insulated roof window and additional split cooling unit



The LHM

## The High Temperature package (HTP)

- Cooling fluid and liquids chosen for high temperatures
- Adapted oil cooling for winches/ gearboxes



05

LiSIM move

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LiSIM Move

# Components



Computer\*



VR-Headset



Control System



\*additional monitor not included



LiSIM move

## What makes our LiSIM move unique?

01

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### Multiple display channels

The ability to simultaneously display the simulation on both the VR headset and another monitor - Ensures visibility for the operator and bystanders.

02

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### Touchscreen monitor

Integrated touchscreen for various control options and display of camera views - Allows simulation control without an additional monitor.

03

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### Realistic control system emulator

The in-house developed control system emulator ensures realistic machine control experience, as if you were working in the field.

Thank  
you.



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