

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

Factsheet: Group overview (2024)



1949

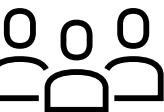
Founded by Hans Liebherr in
Kirchdorf an der Iller,
Germany

13

Product segments



Parent company
Liebherr-International AG
based in Bulle, Switzerland



54,728

Employees



14,622

Revenue in € mio

**Liebherr is a
family-run
technology
company**

>40

Production sites

>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

- 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.

LDU Divisions

Mobile
Cranes



Maritime Cranes &
Construction
Machinery



Tower Cranes



Mixing
Technology



Aerospace &
Transport
Technology



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

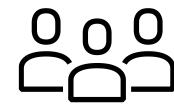
Liebherr-MCCtec GmbH

Locations

Facts and figures



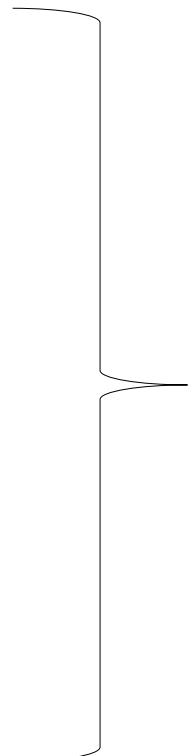
€ 1.75 bn
Turnover (2024)



6,009
Employees (2024)



50
Companies worldwide





Liebherr-Werk Nenzing GmbH

Liebherr-MCCtec GmbH

Liebherr Nenzing (Austria)

Foundation 1976

Total area 254,635 m²

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 m²

Employees* 894 (2024)

Turnover 2024 € 333.7 m

Products

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

LIEBHERR



Liebherr Sunderland Works Ltd.

Liebherr-MCCtec GmbH

Liebherr Sunderland (Great Britain)

Foundation 1989

Total area 68,500 m²

Employees* 202 (2024)

Turnover 2024 € 46.7 m

Products

- Mobile harbour cranes
- Ship cranes
- Offshore cranes

LIEBHERR



Liebherr-MCCtec Rostock GmbH

Liebherr-MCCtec

Liebherr Rostock (Germany)

Foundation 2002

Total area 451.000 m²

Employees 1.660

Turnover 492.9 M €

Products

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

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03

Product range

Port Equipment



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Ship cranes



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Transshipment solutions



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Offshore cranes



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04

The LHM

Mobile harbour crane - LHM

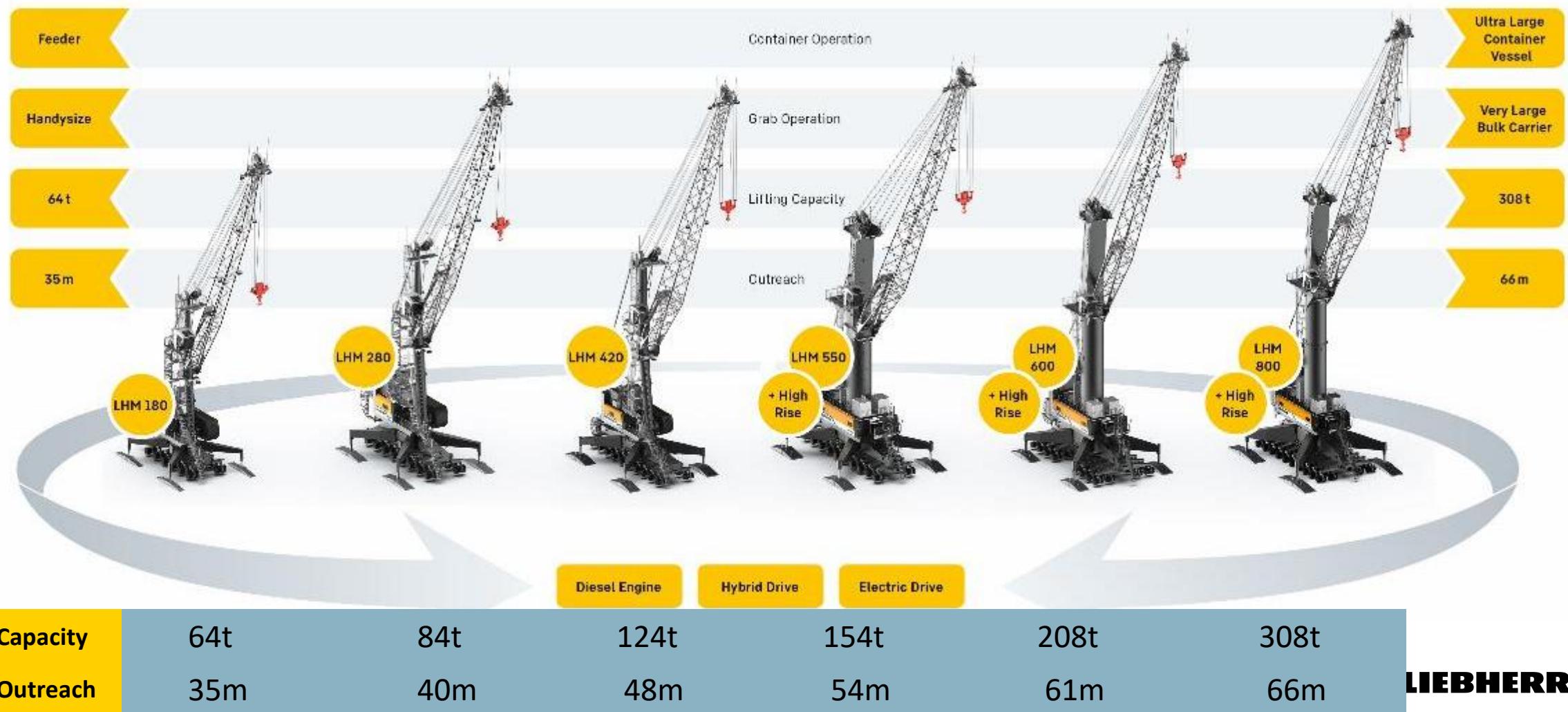
Versatile all-rounder in
port handling

LIEBHERR

Maritime cranes



Product range



One machine – many possibilities



Container handling

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



General cargo

Lifting attachments to be quickly and easily exchanged.



Bulk handling

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



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



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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

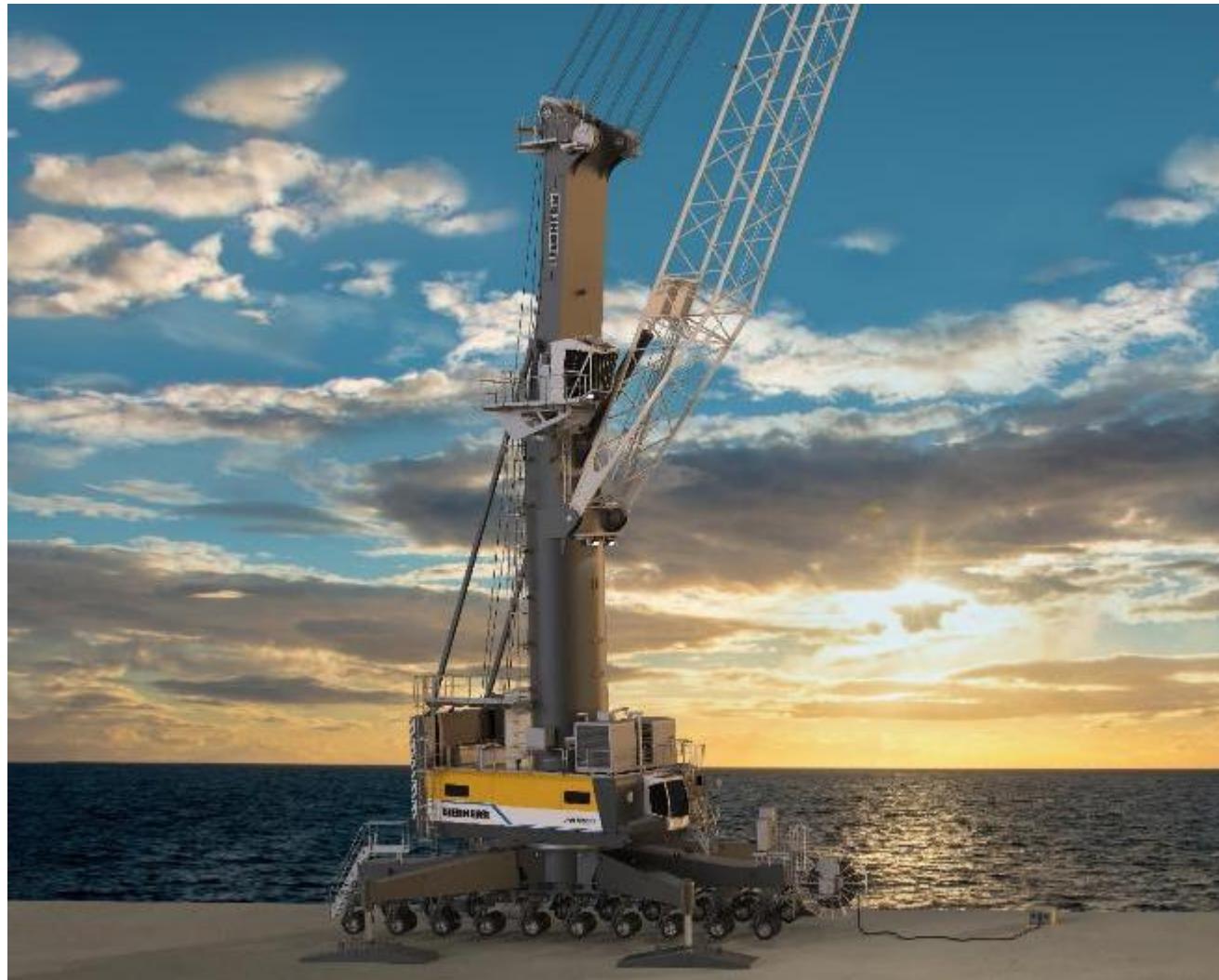


Individual wheel sets

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

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

IP-cameras

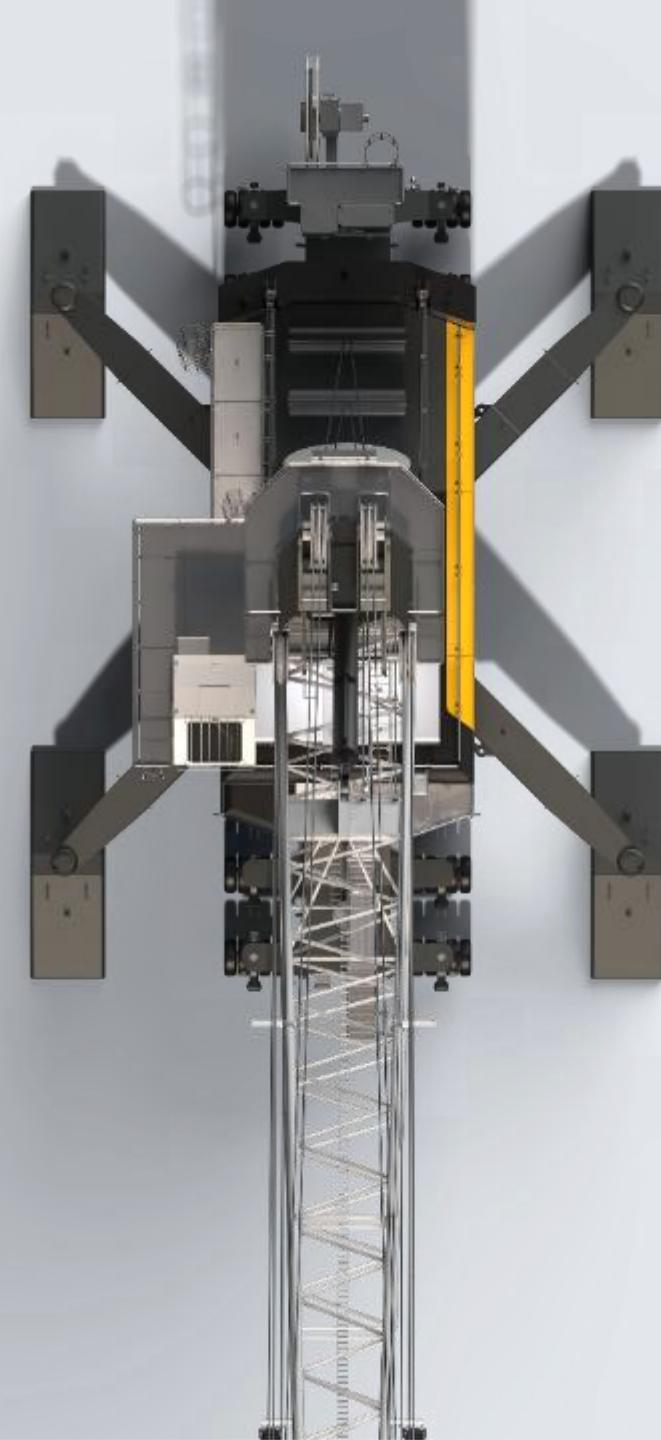
- The new ECU allows **multiple IP-camera** implementation (theoretically up to 256)
- **Better image quality** can be achieved through the IP-cameras
- Digital signal processing allows **for easier image storage** and further processing

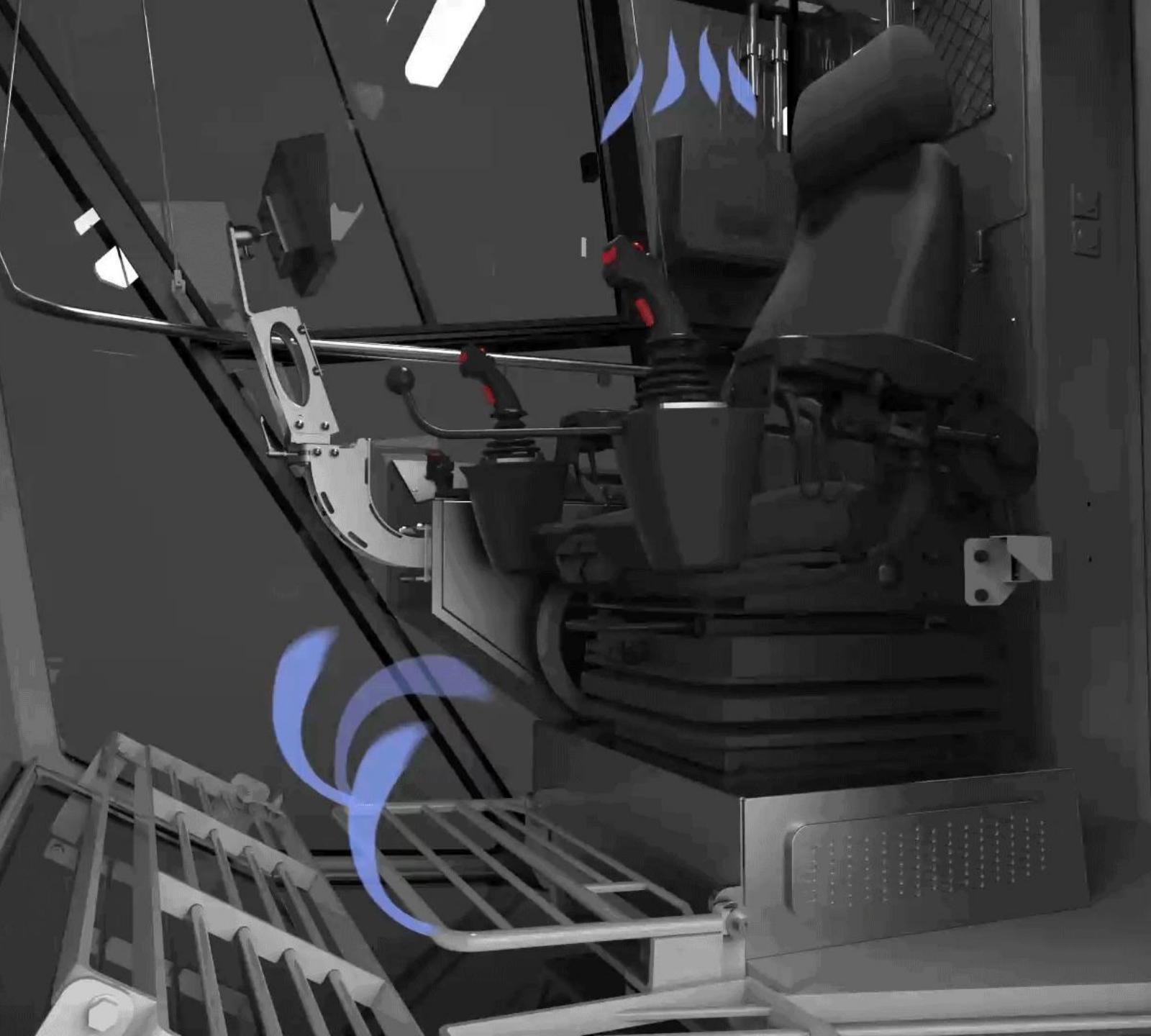


Flexible supporting base

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

High degree of flexibility when changing the supporting base



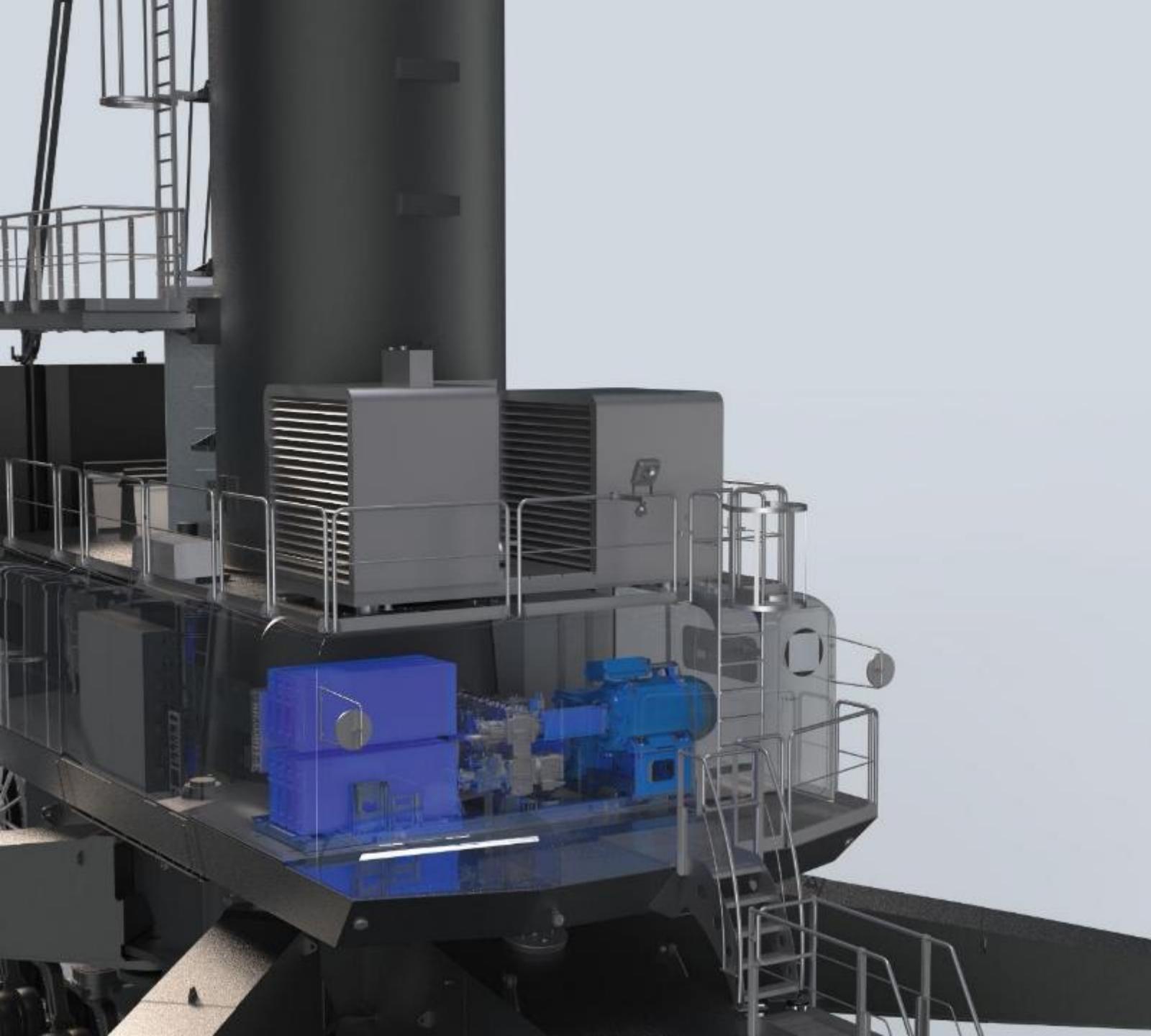


The LHM

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



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

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:

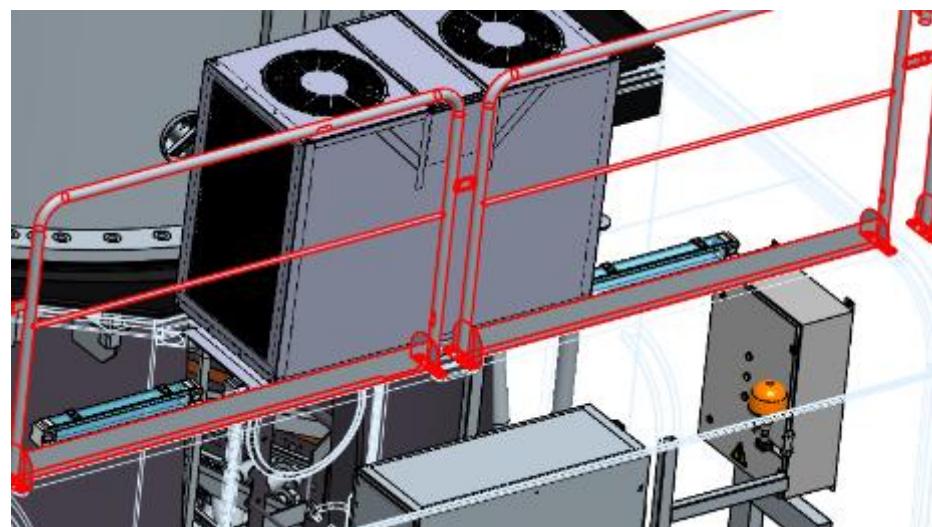
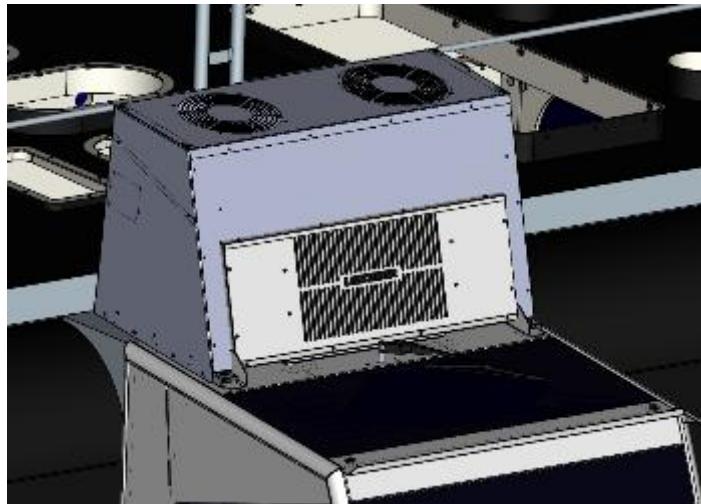
- Cool air from the top of the crane will cool down the engine compartment and reduce the inside temperatures by up to 20K
- Provides additional air circulation to further protect critical components inside the engine compartment



The High Temperature package (HTP)

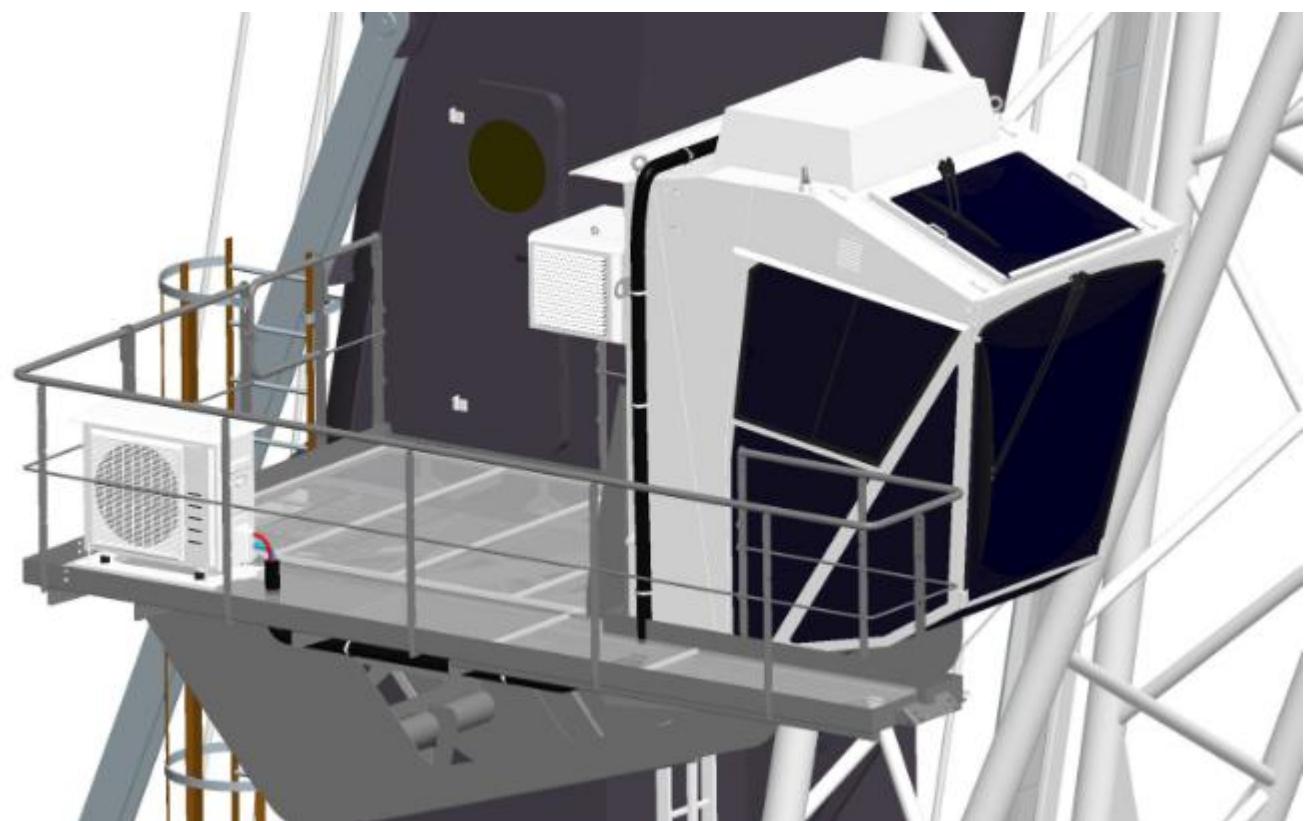
New HVACs:

- 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 High Temperature package (HTP)

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



The High Temperature package (HTP)

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



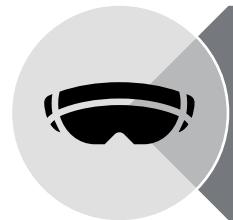
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LiSIM move

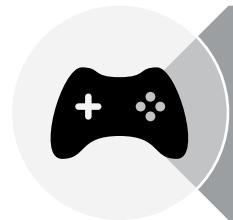
Components



Computer*



VR-Headset



Control System





LiSIM move

What makes our LiSIM move unique?

01

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

Touchscreen monitor

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

03

Realistic control system emulator

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

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