

# Maritime cranes

Company presentation  
2026

# LIEBHERR

Liebherr-MCCtec Rostock GmbH



# Agenda

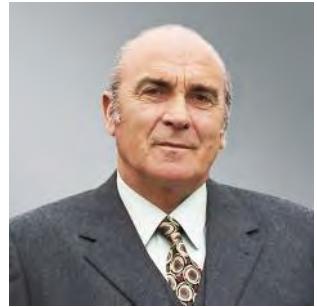
- 1** Liebherr Group
- 2** Liebherr-MCCtec GmbH
- 3** Product Range
- 4** The LHM
- 5** Technological Innovations

01

# The Liebherr Group

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# Factsheet: Group overview (2024)



# 1949

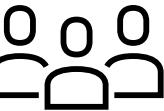
Founded by Hans Liebherr in  
Kirchdorf an der Iller,  
Germany

# 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

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

# 11 Divisions



**EMT** Earthmoving



**LMT** Concrete  
technology



**HAU** Refrigerators  
and freezers



**MIN** Mining



**MCC** Maritime and  
Construction



**COT** Components



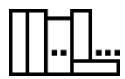
**LWE** Mobile and  
crawler cranes



**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.

02

**Liebherr-MCCtec GmbH**

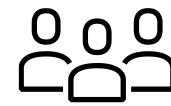
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# Locations

## Facts and figures



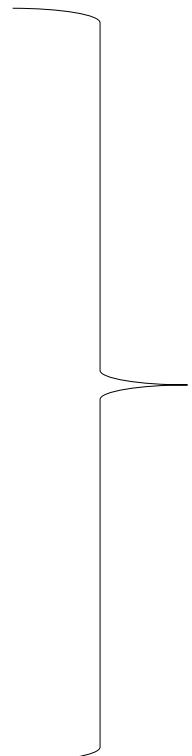
**€ 1.75 bn**  
Turnover (2024)



**6,009**  
Employees (2024)



**50**  
Companies worldwide



03

## Product range maritime

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# Port Equipment

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**LIEBHERR**





J7522

Port of Felixstowe

Port of Felixstowe

EVERGREEN

MAERSK

MAERSK  
SEALAND

# Ship cranes



LIEBHERR

# Transshipment solutions

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**LIEBHERR**

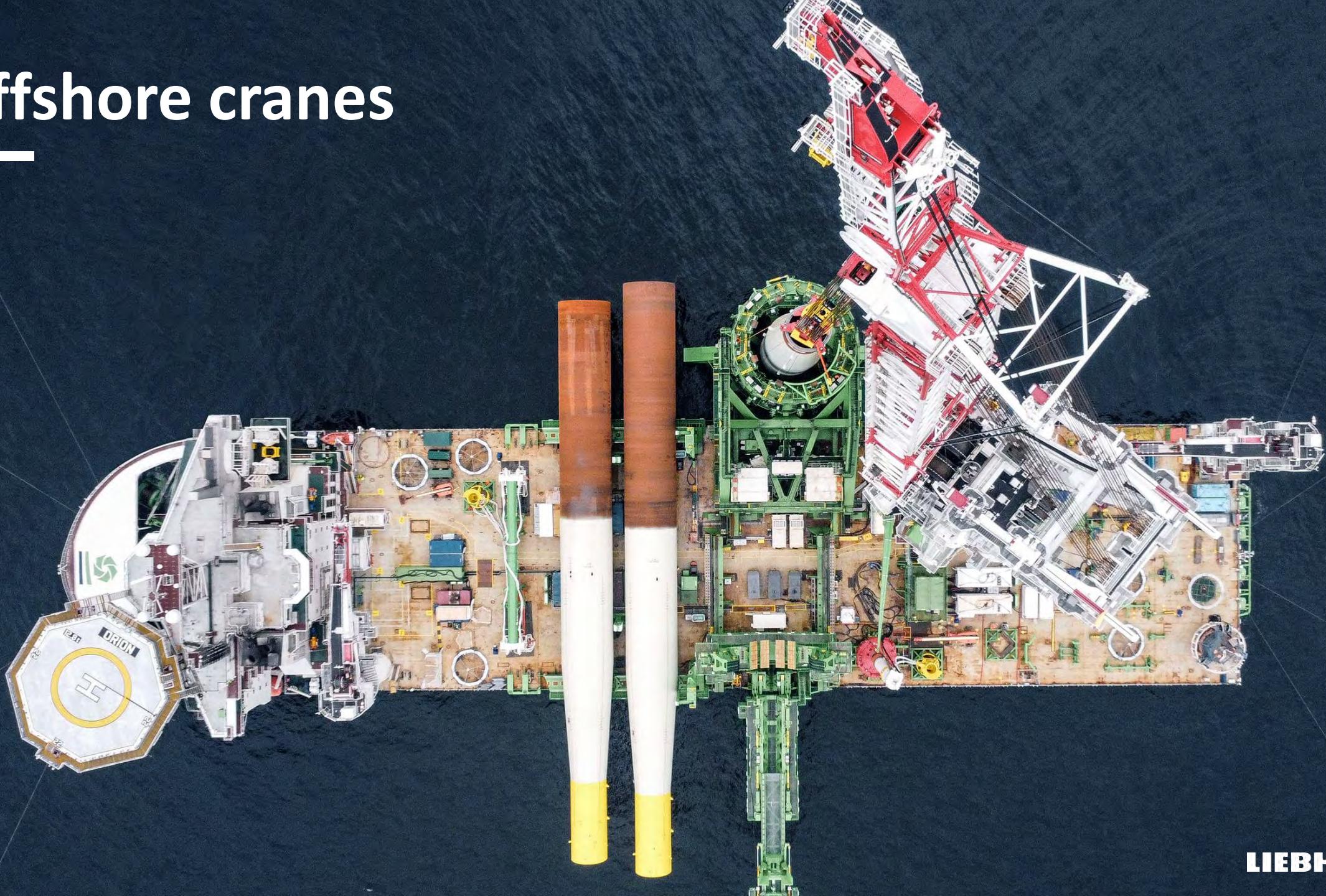
# Fixed port solutions

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# Offshore cranes

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**LIEBHERR**

04

## The LHM

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# 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



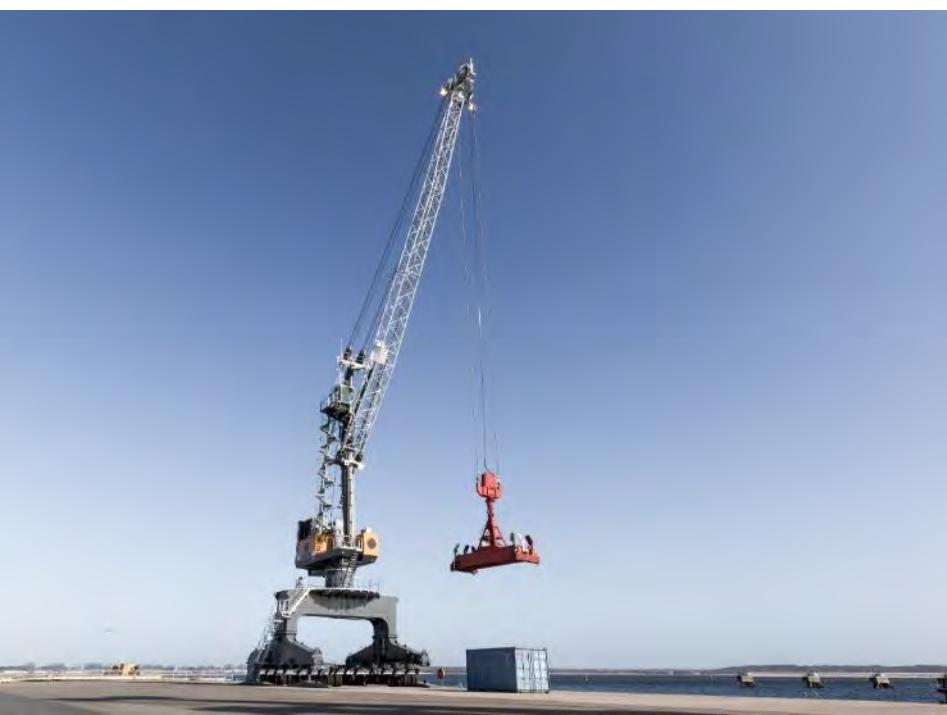
## 02 The LHM Modularity

### **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



05

## Technological Innovations

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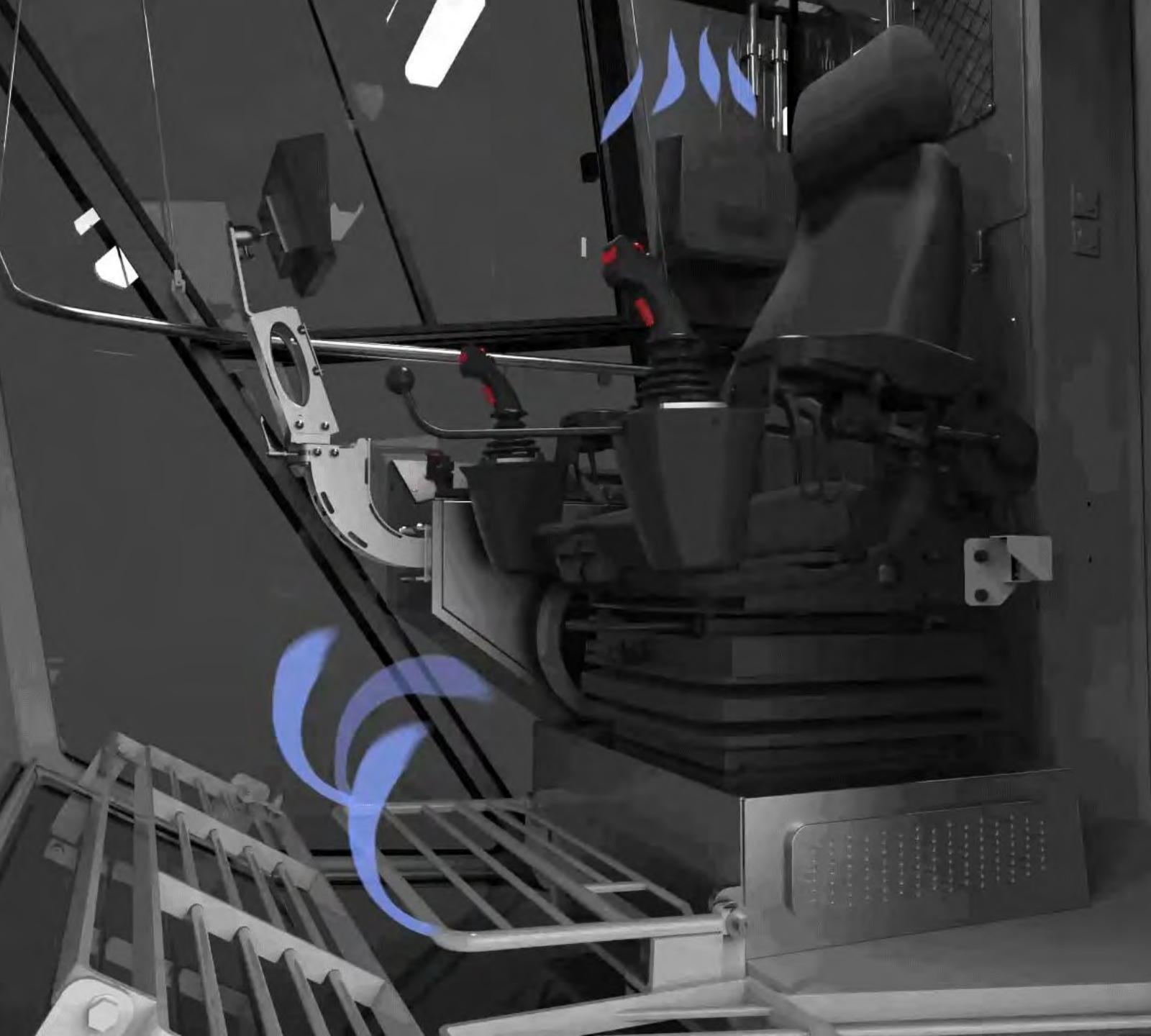


The LHM

## 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



The LHM

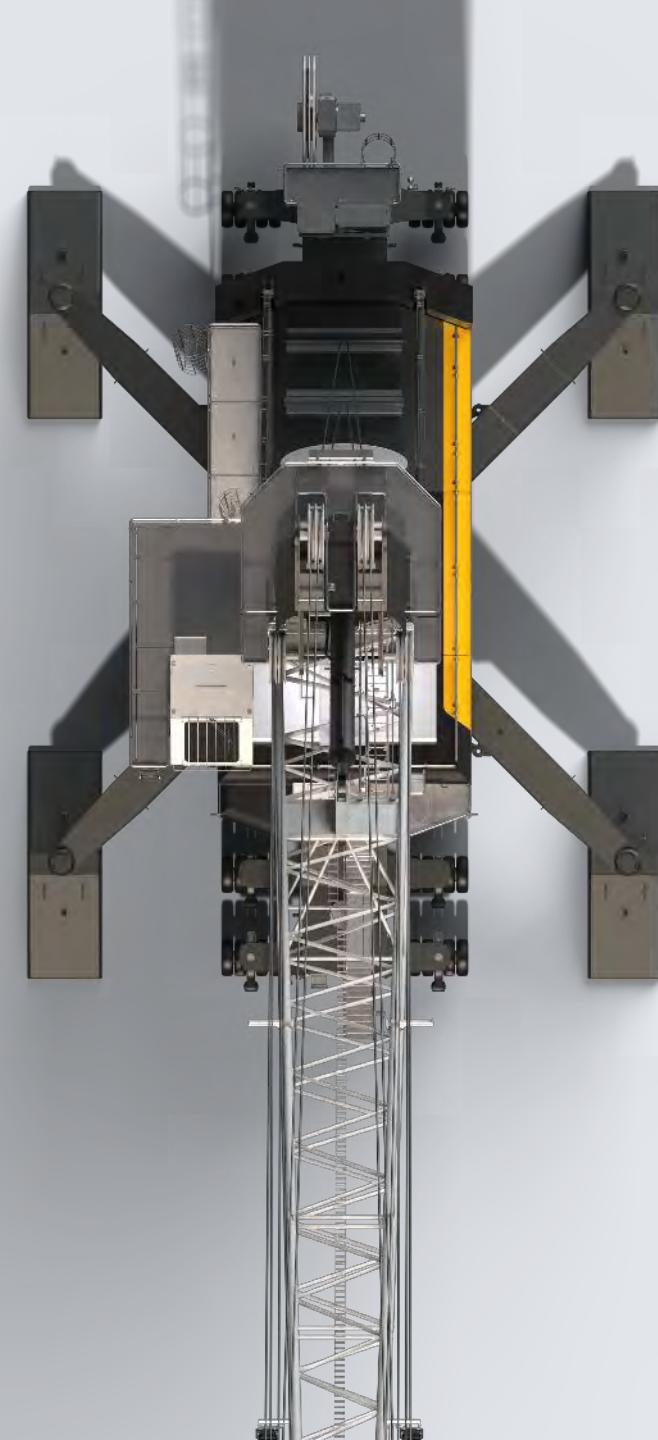
## New heat package

- Heat package to further improve reliability and performance under harsh temperature conditions.
- New concept for climate control
- Allows fast dehumidification of windows
- Comfortable flow of cool and warm air

## Flexible supporting base

- Outtrigger 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



# Advanced Container Assistant

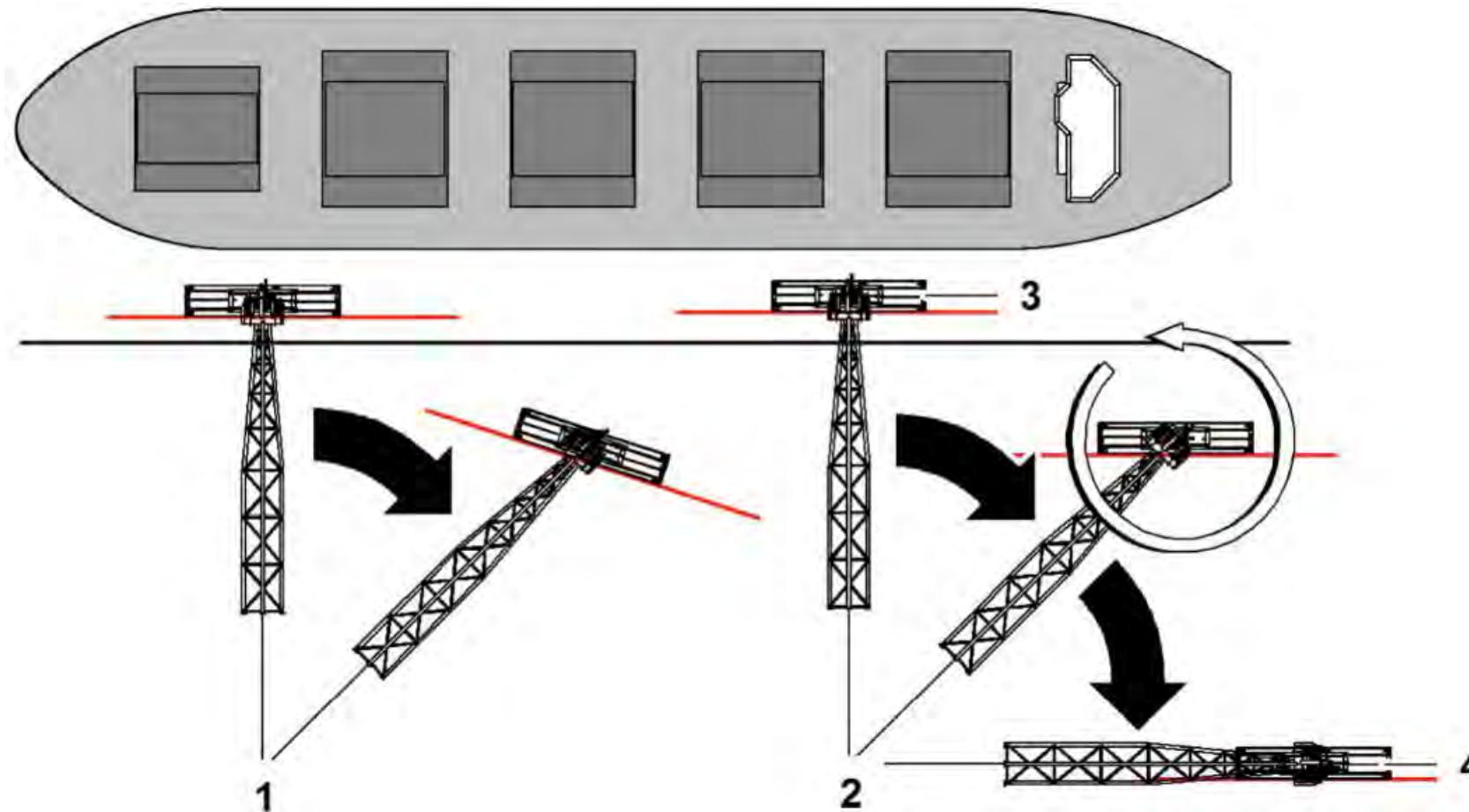
Maritime Technology

# LIEBHERR

Maritime cranes



## Technical Solution



Keeps the container  
in the same position  
during slewing

Turns the container  
automatically 90° or  
180°



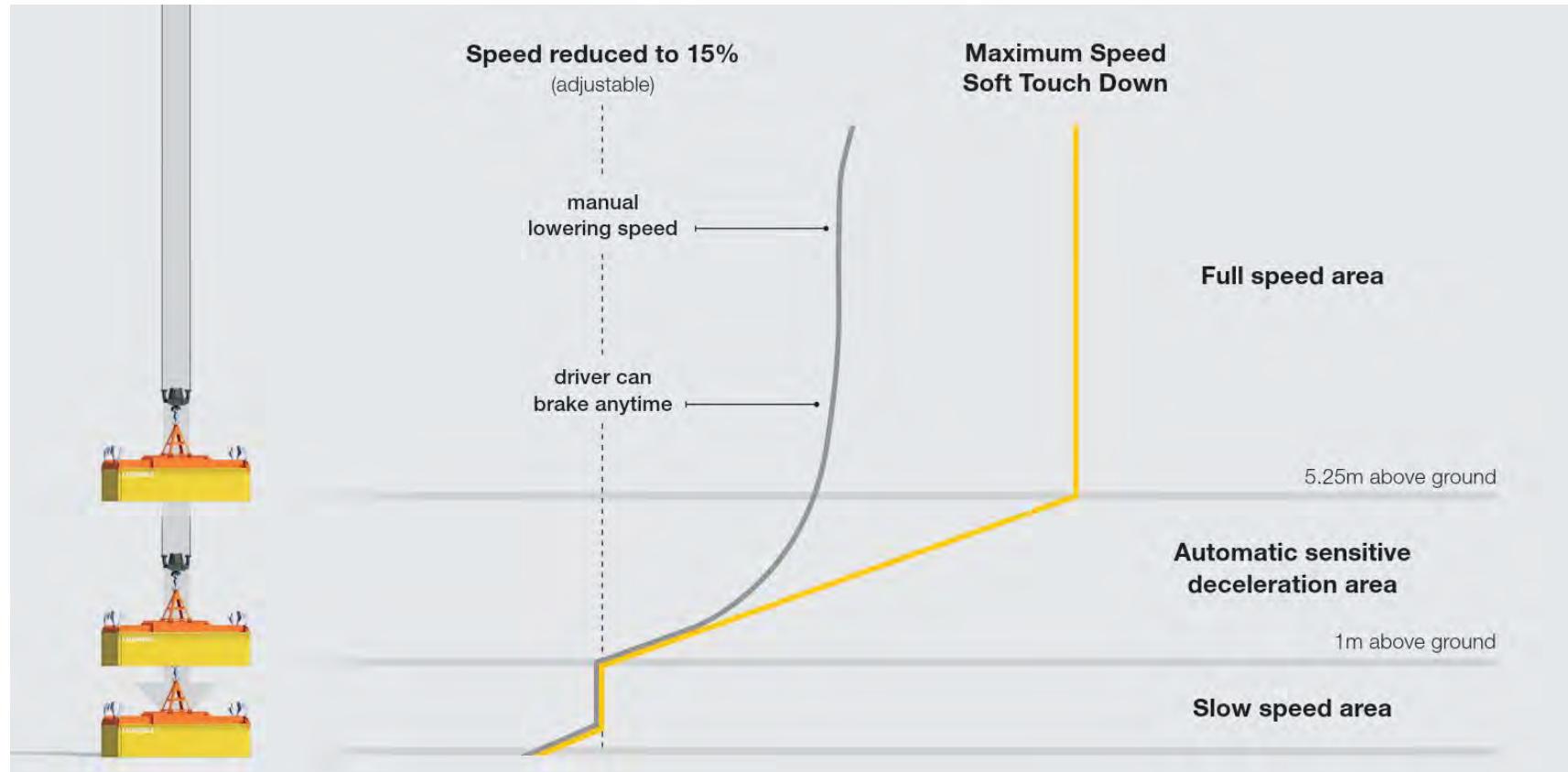
# Soft Touch Down

Automatic winch speed  
reduction system

# LIEBHERR

Maritime cranes

## Technical solution



- The indicated values (speed 15%, 5.25m above ground, 1m above ground) are not fixed.
- The values are set by the technician on site.

# Teach-In®

Point-to-Point control for  
bulk handling operation

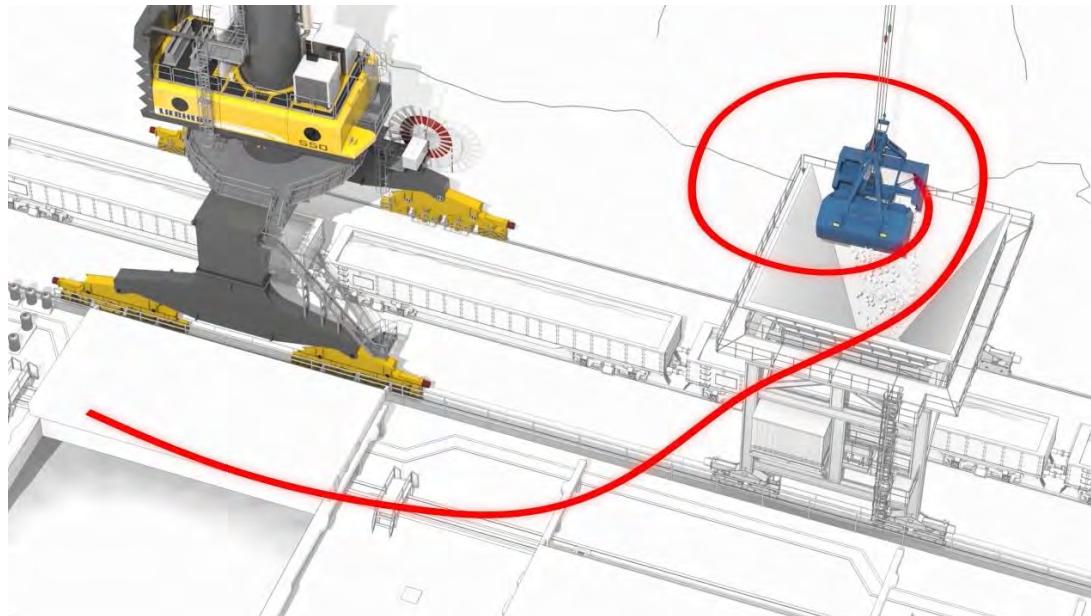
# LIEBHERR

Maritime cranes



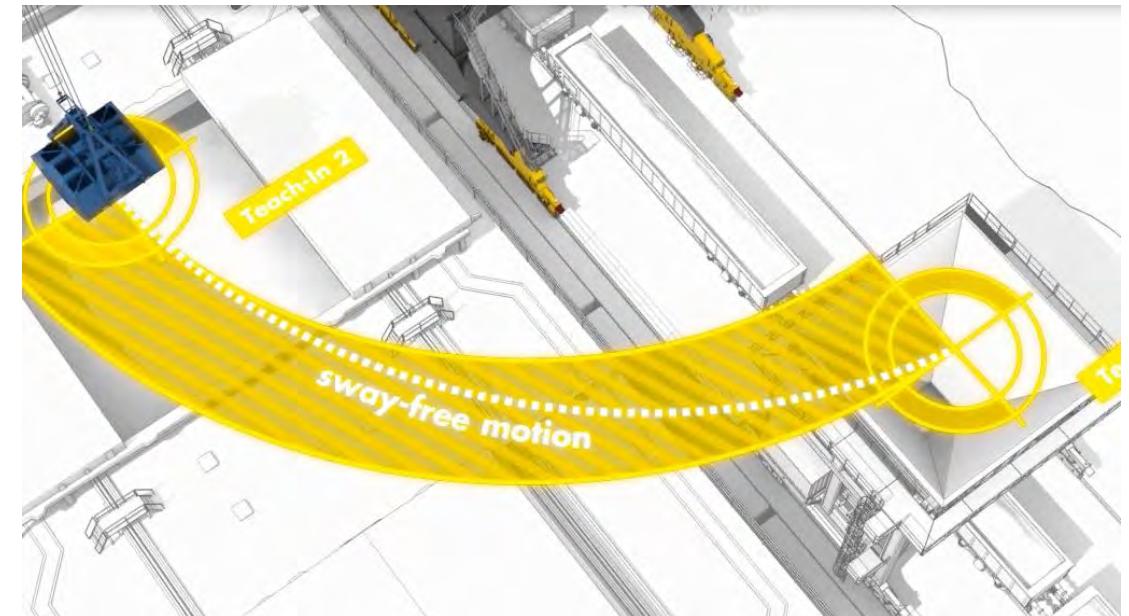
# Comparison Teach-In

## No Teach-In installed



- Unexperienced crane drivers cause a reduction in turnover due to unnecessary oscillating motions

## Teach-In installed



- Defined luffing and slewing area with Teach-In
- Sway-free load in destination

# SmartGrip®

Intelligent grabbing  
technology

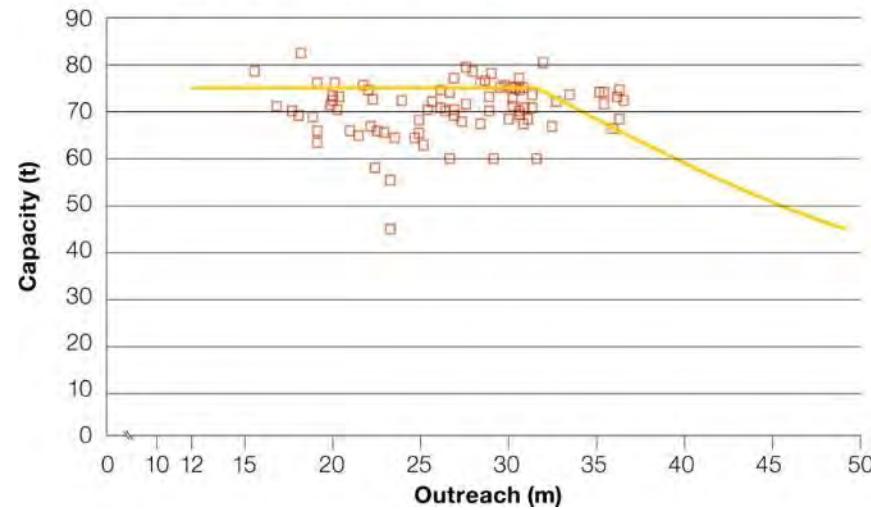
## LIEBHERR

Maritime cranes

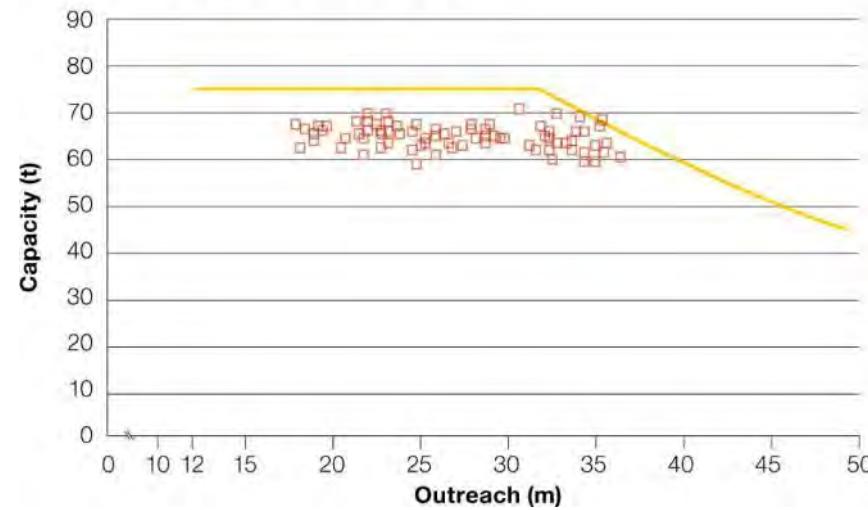


# Technical Solution

Load Diagram without SmartGrip



Load Diagram with SmartGrip



Test and analysis in the field have shown an average grab filling rate of 70%.  
SmartGrip® utilizes the remaining 30%.

## 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



# Sycratronic®

Automatically  
synchronized tandem lifts

# LIEBHERR

Maritime cranes

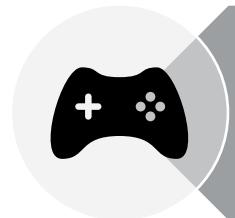




Computer\*



VR-Headset



Control System

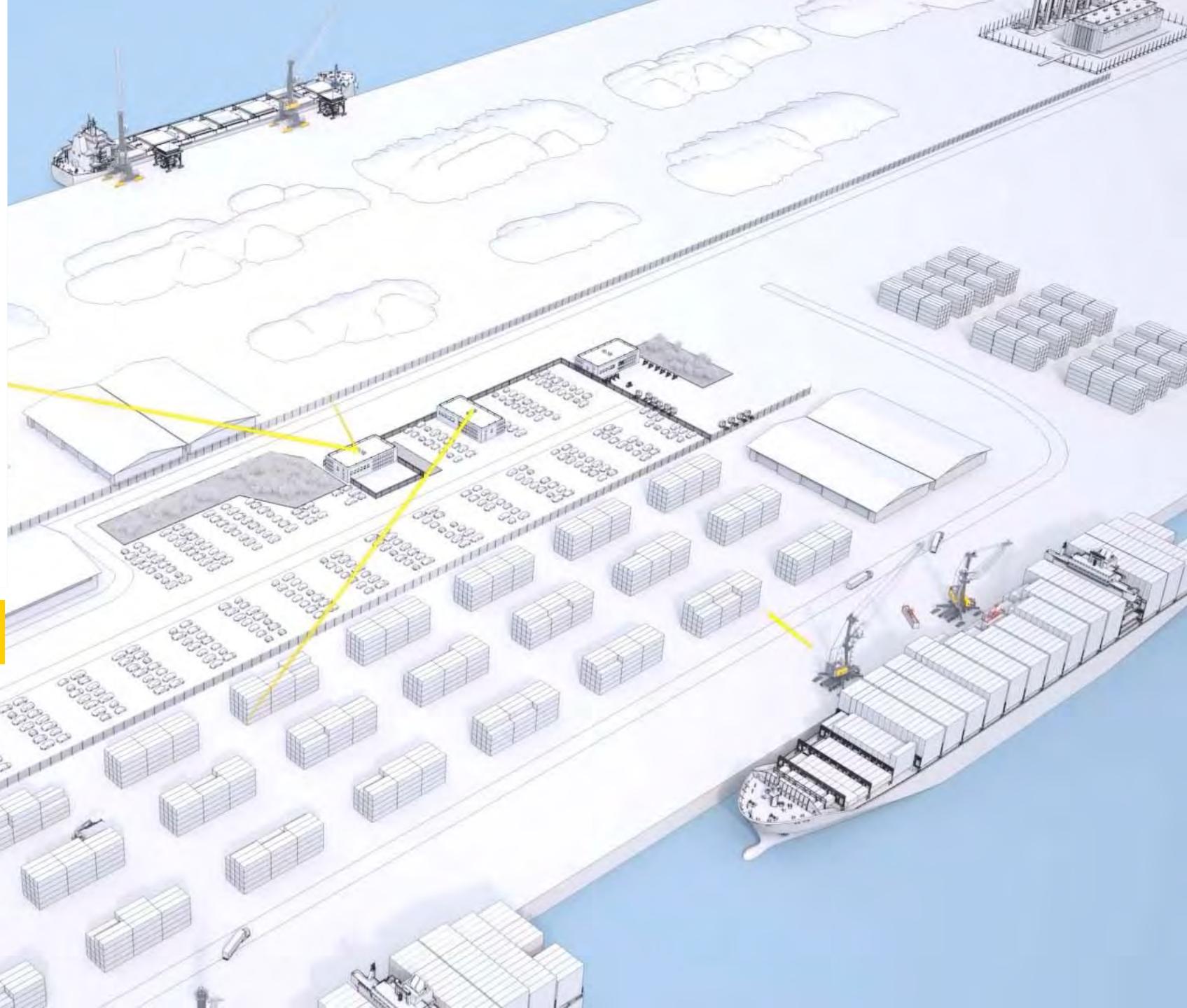


# LiDAT® smartApp

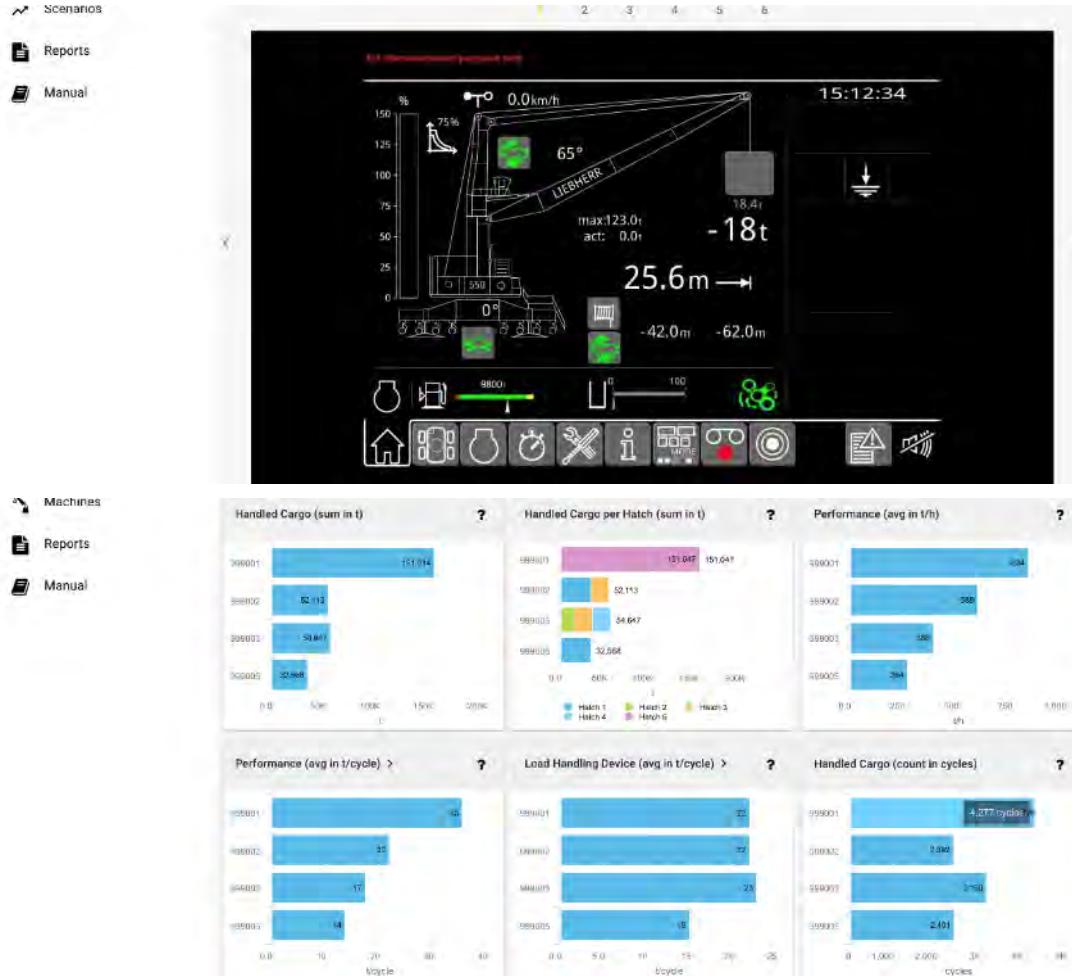
Smart up your  
performance

# LIEBHERR

Maritime Cranes



# Business Cases



**Direct access:** Information obtained directly from crane control system rather than from external sensors



**Web app:** Intuitive web application, available for different devices

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k  
—  
you.



**LIEBHERR**