

From old to new

Lessons from evolving through market demands

LIEBHERR

Liebherr Maritime Cranes

Agenda

01

Maritime
history



Our origins
and focus

02

Market
demand



Adapting to
customer
requirements

03

The future



What's
ahead for
maritime
technologies

Maritime history 1974 – 2024

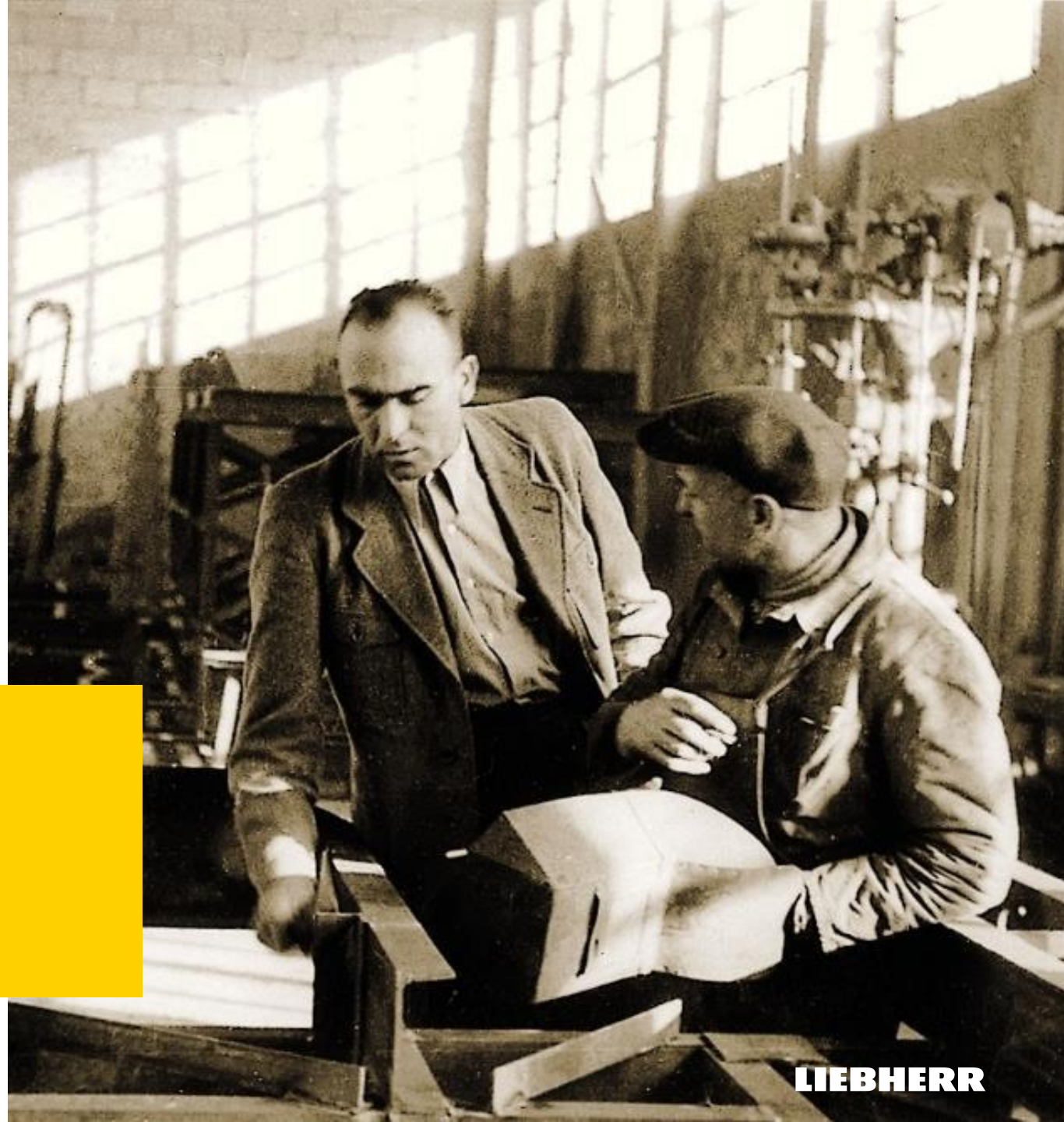
Maritime history

Company founder Hans Liebherr

- 1 April 1915 – 7 October 1993
- Trained as a master builder
- Developer of many pioneering products

“We are not satisfied until our customers and business partners are satisfied.”

— Hans Liebherr



Maritime history

First Liebherr mobile harbour crane

1974

1996

2010

2019

2022

LGM 1140



Our crane

- Angular tower design
- H-shaped supporting base

The industry

- Increasing dominance of containerization and more global trade routes
- Increase in the size and capacity of cargo ships

Further mobile harbour crane innovations

1974

1996

2010

2019

2022

LHM 250



Our crane

- X-shaped undercarriage
- Individually steerable wheelsets
- Telemetry

The industry

- Increase in the size and capacity of container ships and evolution of container handling technologies
- Increase in demand of crane efficiency

Maritime history

The jack-of-all-trades

1974

1996

2010

2019

2022

LHM 550



Our crane

- Tubular tower & 4-chord boom
- Design evolution
- More e-drive

The industry

- Shift towards the integration of digital technologies and automation in port operations
- More environmental focus

Increasing sustainability

1974

1996

2010

2019

2022

All-electric performance



Our crane

- LPS 420 E provides all-electric efficiency and dynamics

The industry

- Increasing demand for all-electric solutions, not only prime movers
- Stronger focus on CO2 footprint

The era of more data-driven logistics

1974

1996

2010

2019

2022

The new LHM



Our crane

- Setup for supervised work cycle automation

The industry

- Forecasted growth of the global crane automation market
- Significant factors driving the growth of renewable energy industry

Market demand & future orientation

Future orientation

01

More data-driven logistics

Improve operations of maritime crane fleet by mastery over data access and optimisation

02

More renewable infrastructure

More ports will adapt a more sustainable infrastructure to provide reduced local emissions and sourcing more renewable energy sources





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Seatrade Maritime Podcast

In Focus: Mobile Harbour
Cranes

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Port equipment

Thank
you.



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