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# The new LHM

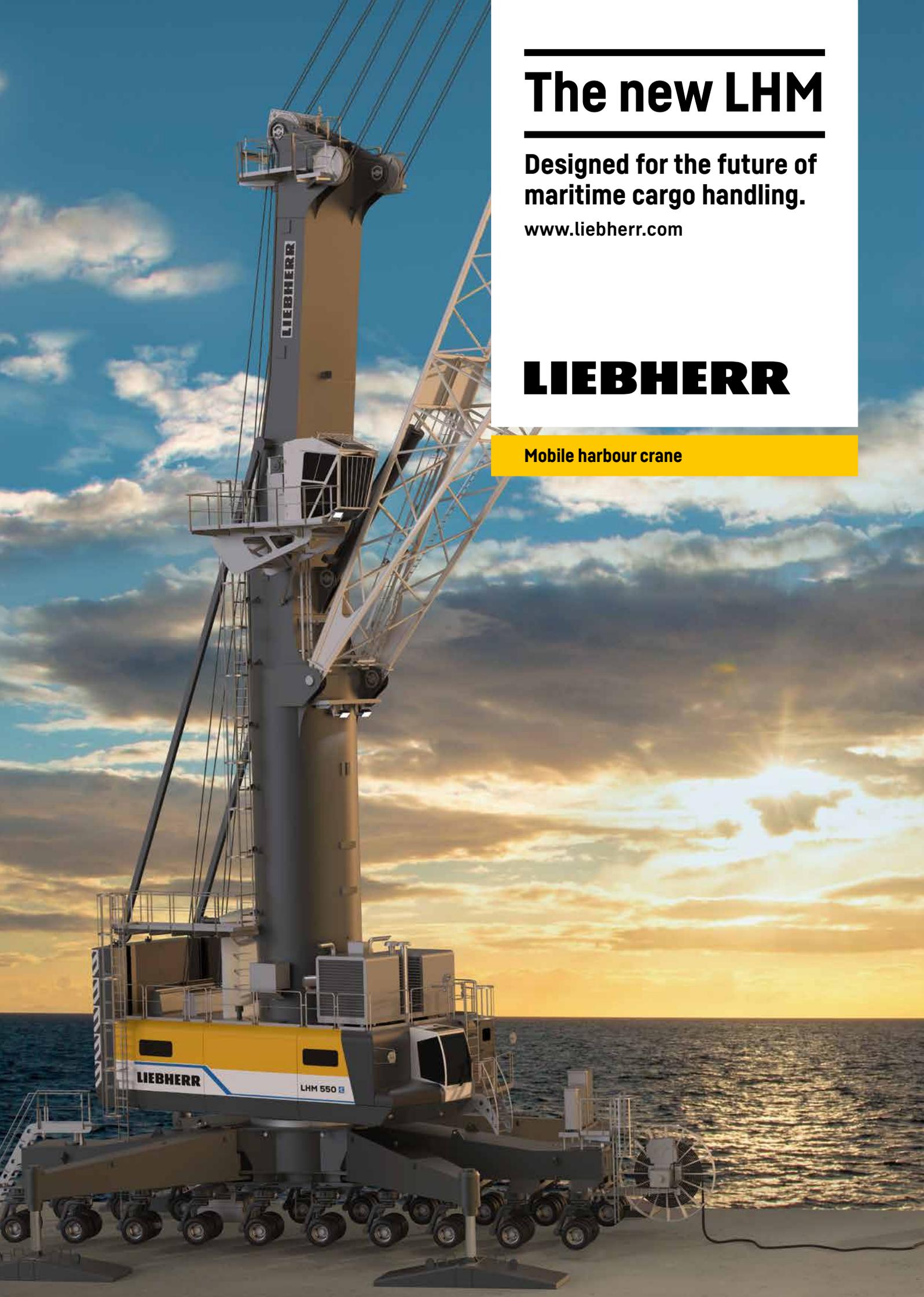
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Designed for the future of  
maritime cargo handling.

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## LIEBHERR

Mobile harbour crane



# A new evolutionary stage

The Liebherr mobile harbour crane series enters a new evolutionary stage and gets ready for the future. The new LHM is more digital, more efficient and impresses with a modern exterior design. A new crane control system, advanced sensor integration and digital information transmission enable future assistance and partial automation systems. In addition, the Liebherr Pactronic hybrid system and the operator's cab have been improved to meet customer needs.



## Electronic control unit

The decisive innovation of the new LHM is the implementation of the "Master V" crane control system. Together with an even more efficient software architecture, this forms the basis for integrating future assistance and partial automation systems into the crane in the long term. Overall, the crane will become much more digital, networked and smarter.



## Pactronic 2.0

The Pactronic 2.0 hybrid system represents the second generation of the Liebherr hydraulic drive system using hybrid technology. An accumulator serves as an energy store and provides support when needed by supplying additional, temporarily stored power.

The new Pactronic is more closely aligned to the actual needs of the user. By setting the individual lifting height, the power output of the Pactronic is adjusted accordingly – over the entire lifting process. Pactronic 2.0 offers the operator a choice of two operating modes, depending on the current work situation:

### Boost mode

In this mode, the Pactronic acts as a significant power amplifier. Lifting speeds are significantly increased – without the aid of a larger or even additional main unit for more power. This massively increases the efficiency of the crane.

### Green mode

This mode is designed to save fuel or power consumption and to reduce CO<sub>2</sub> emissions. During the lifting process, the Pactronic supports the main unit to such an extent that less power is required by the main drive, despite the lifting speeds remaining the same. As a result, absolute fuel or power consumption and emissions are reduced.



## Maritime cabin

The redesign of the LHM operator's cab focuses on the crane operator. Thanks to the new coupling of joystick and armrest, not only does the driver's comfort increase, but the control of the crane also becomes even more precise and safe. With the new integrated touch panel, all crane functions can be selected clearly and intuitively, which greatly simplifies the operation of the crane. An integrated bottle cooler provides cool drinks – even on warm days. A revised air-conditioning concept significantly increases the well-being of the operator, whether air-conditioning or heating. It also ensures that fogged windows are quickly dehumidified, thus providing a clear view and more safety.



# New crane design



The colour compositions of the latest LHM generation combine the classic Liebherr yellow with new accents in black, grey and white. The agile-looking design reflects how long-standing tradition and corporate values merge with advanced technologies. The modern colour scheme gives the machines a distinctive look and instant recognition.

The blue accent in the colour composition and also the blue E-symbol next to the crane type, give all alternatively powered machines a distinctive look. This allows all future LHM customers to directly communicate advanced and environmentally friendly crane technology to their stakeholders.