

### **The 1st new Liebherr Reachstacker started its daily duty in the Port of Ravenna**

- Dedicated and designed for modern container handling
- The LRS 545 is the new efficient link between quay and yard
- In compliance with the latest emission standards (EU stage IV and EPA tier 4 final)

**Rostock (Germany), February 2016 – Liebherr Maritime Cranes delivered a LRS 545, the first model out of the new reachstacker series, to the Italian Port of Ravenna.**

Innovative products emerge more often as a result of cross-sectoral combination of technologies and design. The LRS 545 is the latest cargo handling solution from Liebherr and as such benefits not only from the companys collective maritime experience, but also from its expertise in the fields of engine architecture and system control software. The result is a reachstacker, which exceeds all demands of a modern container terminal.

The Port of Ravenna is one of the most frequented Eastern Mediterranean hubs and plays an important role in handling solid bulk commodities, in particular raw materials for the ceramic, grain, fertilizer and flour industry. Furthermore, it is one of the biggest Italian ports when it comes to container throughput.

During the last years Liebherr has already delivered quite a number of mobile harbour cranes to various terminals (Sapir, Bunge, Marcegaglia, Nadep Ovest & Setramar) located in the Port of Ravenna. All cranes are high performing machines and are characterised by utmost reliability. This is where the new Liebherr LRS 545 steps in. Synergies with regards to service and maintenance are further benefits.

The complete design of the new reachstacker series is based on the latest technology in order to maximise driver's comfort, performance and eco-friendliness.

The LRS 545 is equipped with a 4 cylinder, 230 kW Liebherr diesel engine. This downsized engine protects the environment by low fuel consumption and reduced emissions. To fulfil stage IV and tier 4 final legislative requirements, Liebherr relies entirely on an innovative SCR (selective catalytic reduction) system. The inhouse-developed system reduces exhaust emissions effectively without a sacrifice in performance.

Performance is also measured by possible down times. The new Liebherr reachstacker is designed for low maintenance. Service intervals of 1000 operating hours provide the necessary reliability and peace of mind for the engineers on-site. Furthermore, intelligent maintenance planning is offered as an option. Remote access and remote technical assistance in order to analyse data and carry out troubleshooting are possible via internet.

Besides the service personnel, also drivers are enlightened. Its wedge-shaped design provides the desired agility for smooth operation not only in-between narrow container rows. The front blind spot is reduced and the driver can rely on an excellent visual field in all directions, which means enhanced safety at work for the operator. The ergonomic cabin, heated windows, automatic climate control and a unique suspension system, which reduces noise and absorbs shocks, complement a comfortable driving experience.

"When technology meets design, magic happens. At least for me, and that is the exactly the case when I start the engine of the new Liebherr reachstacker and begin my shift", says Mr Leoni, Reachstacker Operator - Port of Ravenna.

The new strong link in the logistic chain of ports and terminals perfectly complements Liebherr Maritime Cranes' comprehensive portfolio. The Liebherr reachstacker range will be further expanded in the long run.

## **Liebherr Maritime Cranes**

*Liebherr Maritime Cranes is a division of the Liebherr Group which specialises in cargo handling solutions for ports as well as for the shipping and offshore industry. The well-balanced portfolio includes ship to shore cranes, mobile harbour cranes, offshore cranes, ship cranes, floating transfer solutions, rubber tyre and rail mounted gantry cranes, reach-stackers and straddle carriers. Moreover, the LiSIM® maritime crane simulators allow for highly immersive crane operator training. Liebherr Maritime Cranes currently employs more than 3,700 employees worldwide and has four state-of-the-art production sites in Killarney (Ireland), Nenzing (Austria), Sunderland (Great Britain) and Rostock (Germany). In addition, Liebherr Maritime Cranes operates eight fully owned sales companies and is additionally represented in more than 30 mixed sales companies worldwide.*

### **Captions**

- Liebherr reachstacker (LRS 545) handling container in the Port of Ravenna

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