
LHM 600

Job report

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Maritime cranes



Container handling



Situation

The port of Buenos Aires is the main port of Argentina and therefore the leading transshipment point for external trade. Terminal 5 is operated by Buenos Aires Container Terminal Services S.A. (BACTSSA) since 1994. BACTSSA is dedicated to containerized cargo handling over 300,000 TEU annually. The container terminal has optimal conditions to service big vessel types up to super post-panamax class.

Task

Due to a logistics infrastructure improvement in 2004, the seaside link of the intra-port transportation chain more and more turned out to be a bottleneck. To fully use the capacity of the improved logistics infrastructure an efficient quay-side solution to service large vessels was required. BACTSSA ordered an Liebherr mobile harbour crane and requested the special "High-Rise" version to attend empty container vessels and higher container stacks on deck.

Solution

Since September 2013, a new Super-Post Panamax crane, type LHM 600, started operation in BACTSSA's Terminal 5. An elongated tower extension ensures high visibility into deep cargo holds and enables highly efficient container handling with maximum safety due to the higher position of the tower cabin of 37 metres. A higher fulcrum point eases the handling of bigger vessels. With a maximum outreach of 58 metres, twin lift capability and a lifting capacity of 104 tonnes, the LHM 600 is capable of servicing vessels up to 19 container rows wide and 9 container stacks high.

LHM 600 „High-Rise“ Version

Weight (t)	548
Capacity (t)	104
Max. outreach (m)	58
Max. lifting height (m)	49
Scope of supply includes	12m special tower extension
Twin-lift spreader capacity (t)	50 / 60