

PRODUCT FOCUS: BOXER 5000

THE CUSTOMER

Cai Mep International Terminal Co. (CMIT) is the first container terminal in Vietnam that has been able to allow super-post-Panamax class vessels to call at the port. The harbour, near the capital Ho Chi Minh City, has a total area of 48 hectares with a quay length of 600 m. The modern container terminal facility has been built and operational within the last few years and is positioned in a previously inaccessible river basin, but now has direct deep water access. CMIT is an important hub within transatlantic shipping acting as a transition point for North America and for inner Asian traffic.

THE TASK

Cargo handling volumes in Vietnamese harbours have grown constantly during recent years having urgently required expansion. At the end of 2009, the Vietnamese government announced far-reaching investments worth billions as part of a master plan for the improvement of infrastructure. The three Kocks Boxer 5000 were part of these investments and play an important role in the success of the totally rebuilt harbour at Cai Mep in the province of Baria Vung Tau. In March 2011, Vietnam's first deep-water terminal was officially opened.

THE CRANES

The stable design of this post-Panamax class of container crane with the newly developed light-weight trolley is ideally suited to the tropical conditions in Vietnam. It contains specialized equipment to secure the crane in storms, making the crane virtually immune to extreme winds (such as typhoons) and keeping it solidly anchored on the wharf. The super rigid mono-box boom and the high-performance machinery house trolley with the hoisting mechanisms arranged on the motor-driven trolley are typical of its construction. The hoisting rope system of the Boxer with its very short ropes minimizes operational costs and maximizes performance. Shorter travel distances and shorter rope lengths, hence faster box placement and less wear and tear on the entire rope length, in turn reduces the number of rope changes required: The Boxer produces 35-40 moves per hour in single lift operation, with further significant handling increases achieved in twin-lift operation.

WHAT THE DESIGNER SAYS

'Thanks to its electronic anti-sway device and its positioning control system, the Boxer is extremely precise. Short hoisting ropes and high-quality components guarantee easy maintenance. In a nutshell: Our Boxer is an engineering classic built for the future.'

CONTACT INFORMATION

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CRANE SPECIFICATION

CAPACITY BELOW SPREADER	65 T
OUTREACH WATERSIDE	46 TO 55 M
OUTREACH LANDSIDE	≥ 10 M
HOISTING HEIGHT	35 TO 45 M
BOXES PER HOUR	40 SINGLE LIFT / 80 TWIN LIFT

