

## PRODUCT FOCUS: KRANICH 3000



### THE CRANE

The installed crane is an electrically driven, rail-mounted single jib crane, KRANICH 3000, with main and auxiliary hoist, especially designed for working within shipyards. The slewable part of the crane is connected to the fix part by means of a giant roller slewing ring, made by Rothe Erde Germany. The crane is particularly tasked with the turning of heavy ship segments.

### THE DESIGNER

The challenge for this project was to combine a heavyweight regarding hoisting capacity and a lightweight with respect to the final weight of the crane. In addition it was essential that the crane was reliable and resistant to the tropical temperatures and the monsoon rains of the region.

### CONTACT INFORMATION

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### THE CUSTOMER

Colombo Dockyard PLC, a shipyard in the Port of Colombo is a Joint Venture between a Sri-Lankan and a Japanese enterprise.

This highly respected company has a long tradition and wealth of experience in shipbuilding as well as in ship repair, maintenance and offshore engineering.

### THE TASK

The dockyard needed a crane designed and installed with a very high lifting capacity (160 tonnes) that was capable of working in a very limited space and on a narrow track gauge. In addition to the narrow gauge very low permissible wheel loads also needed to be considered and incorporated within the design.

The customer wanted to minimise the disruption to their working schedule in order to achieve this the crane was assembled directly from the supply ship meaning that the vessel could travel into the yard in a very small time window to complete installation.

### CRANE SPECIFICATION

HOISTING CAPACITY	MAX. 160 T
OUTREACH	MAX. 52.5 M
TRACK GAUGE	10 M
HOISTING HEIGHT	35 M

