

CASE STUDY

DRYDOCKS WORLD, SHIPYARD
DUBAI, UNITED ARAB EMIRATES

GANTRY CRANE FOR SHIPBLOCK ASSEMBLY

Over the past 32 years, Drydocks World's facilities in Dubai have become one of the most prominent shipyards in the world, providing marine and maritime services to the shipping, offshore, oil, gas and energy sectors. With 14 million LTI-free man hours completed across Drydocks World in 2014, the organization and its 9000+ workforce exhibit an exceptional safety record. On average, the yard handles more than 350 vessels per year; it is spread over 200 hectares, and it has a 350m wide entrance channel and repair berths.

MEETING THE GROWING DEMANDS OF HEAVY LIFTING

With an outfitting and assembly area of 16,500m², lifting equipment is required to assist in the manufacturing and assembly process. Steel plates are cut and subsequently welded into bigger segments, which become ship blocks. As the size of the ship blocks increase, so does the lifting requirement. A crane must be able to lift and carry the blocks over the drydock, without compromising safety or efficiency.

THE GOLIATH

A Goliath Gantry Crane, with a lifting capacity of 300 tons, was installed in the Drydocks World yard. Konecranes supplied the design and all components, while Drydocks World manufactured the steel structure and assembled the crane under Konecranes supervision. The crane, with a span of 73 meters and a lifting height of 55 meters, assists in the production of ship blocks. It lifts the blocks and allows them to be turned in mid air, providing easy access to all sides for welding. Being positioned so close to the sea, the crane is built to withstand humidity of up to 100%.



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HEAVY-DUTY
LIFT TRUCKS

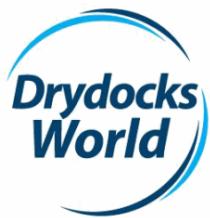


SERVICE



MACHINE
TOOL
SERVICE

Since the Goliath Gantry Crane has to be operational 24/7, TRUCONNECT® Remote Monitoring was installed. It provides data that can help in optimizing maintenance activities, while TRUCONNECT® Remote Support experts are able to communicate and provide remote support and troubleshooting in case of a breakdown or indication of a fault.



Drydocks World
P.O.Box 8988 - Dubai - UAE
Tel: +971-4-3450626
Fax: +971-4-3450116
Email: drydocks@drydocks.gov.ae

Konecranes is a world-leading group of Lifting Businesses™ offering lifting equipment and services that improve productivity in a wide variety of industries. The company is listed on NASDAQ OMX Helsinki Ltd (symbol: KCR1V). With almost 12,000 employees at 600 locations in nearly 50 countries we have the resources, technology and determination to deliver on the promise of Lifting Businesses™.

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