

PRODUCT FOCUS: KRANICH 1000

THE CUSTOMER

Arab Shipbuilding and Repair Yard Co. (ASRY) is one of the leading companies in its field in the Persian Gulf region. Located in Manama, Kingdom of Bahrain, ASRY provides access to its docks, jetties and workshops. Since establishing itself in the market ASRY has handled for repair and refurbishment many and various types of marine and offshore vessels. In short, the company is now capable of handling repairs to almost any type or size of vessel.

THE TASK

Within ASRY's facility an expansion programme has been undertaken including construction of a new berth with a length of more than 1,200 meters, enabling the maintenance and repair of the biggest oil rigs. To carry out such jobs, the berth had to be equipped with reliable, safe cranes with enormous hoisting heights. This project also presented the challenge of providing power to the chosen lifting equipment over the full length of the berth.

THE CRANES

The cranes delivered are single jib Kranich 1000 with main and auxiliary hoist. Power feed is supplied via diesel generator sets, enabling the cranes to serve the whole length of the berth. The cranes are equipped with personnel lifts. The cranes have also been installed with additional brakes on the travelling gear to prevent drifting of the cranes in high or unexpected winds. The two KRANICH 1000 were erected at the site and are successfully meeting the operational expectations of the customer.

THE DESIGNER

The designing of cranes with such extreme lifting heights and jib lengths would be a challenge in itself but with this project we had other factors to encompass within our design. The installation location had potential environmental forces that required exact calculation; unpredictable high wind gusts and a very real risk of earthquakes meant making the crane resilient enough to withstand the environmental hazards whilst, at the same time, ensuring that the crane was not too heavy for the quay.



CRANE SPECIFICATION

HOISTING CAPACITY	MAX. 30 T
OUTREACH	MAX. 65 M
TRACK GAUGE	15 M
HOISTING HEIGHT	MAX. 99 / 132 M
POWER SUPPLY	CAT DIESEL GENERATOR SETS



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