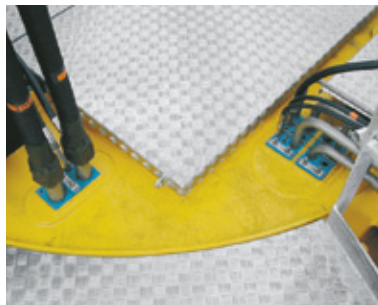


# REPORT

Offshore platform  
diesel hydraulic crane

"It takes us five to six months to build a complete crane, but still, when we need Roxtec products it is overnight," says Jan Olaf Roaldset, Procurement Manager at Molde Produksjonscenter, Norway.



*Hydralift Lattice Boom Cranes – cost-effective and forefront in technology with Roxtec onboard.*

Molde Produksjonscenter has specialised in building advanced cranes for offshore and dockside applications. This particular unit, a diesel hydraulic light weight crane, is built to handle operational lifting on offshore platforms including loading to and from supply vessels. The build is in cooperation with Hydralift Molde Crane – one of the leading players in the world. Hydralift is responsible for the basic



design and Molde Produksjonscenter adds to the construction through long experience of building high quality systems and of choosing materials. A strength of the conglomerate is its capacity to build the cranes to the customers' requirements and to relevant rules and regulations. Another is to produce cost-effective design and comprehensive crane control systems.

"We particularly like the Roxtec solution because it reduces vibrations at the same time as it is a cable and pipe penetration seal,"

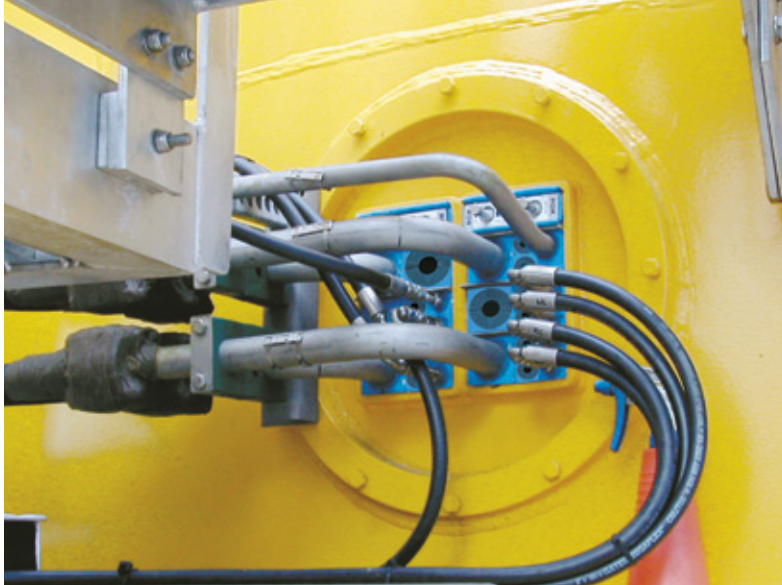
says Odd Rödahl, Forman for the hydraulics department at Molde Produksjonscenter.

The old solution was to use stainless steel plates with traditional glands. Now Roxtec is used through the barrier wall of the machine house, on the outside, under and on top of the unit. In general it is Roxtec S6x2, S6x3 and S6+6+6 frames that are used. Also two R 200 are found under the unit. Sometimes a horizontally welded S 8+8+8 can be used in the Roxtec house.

**Roxtec team reports on site**

From the building of an offshore platform diesel hydraulic crane in Norway

**We Seal Your World™**



Roxtec meant a one-stop-solution to reduction of vibrations combined with a reliable sealing for cables and pipes in a marine environment.



Typical Roxtec solutions are S 6 openings, single or combinations.

## Facts

### Crane

Offshore Platform Diesel Hydraulic Crane, a pedestal crane of the wire rope luffing and lattice boom type. Max lifting capacity of 24 tonnes at 30 m radius (platform lift) and 10 tonnes at 35 m radius. The driver's cabin is equipped with air-conditioning. Ambient temperature: -8 C to +23 C. Wind: 24 m/s (50 m/s in stowed position). Zone Classification: Safe area with boom in Zone 1. Total crane weight: 64 tonnes. Estimated cost: depends on type and build, for some around 10 million NOK.

### Builder

Molde Produksjonssenter A/S, Molde, Norway

### Design

Hydralift Molde Crane

### Application

Diesel hydraulic crane with hydraulic hoses and pipes and electrical cables routed to and from the machinery house and the driver's cabin. Chosen penetration seals are Roxtec S 6x2, S 6x3, S 6+6+6 alt. S 8+8+8+8, and Roxtec R 200 transits. All in stainless steel. A total of 15 openings per crane is normal.

### Time

Building time approx. 5-6 months.

### Properties

Forefront crane technology with lighter cranes and reduced costs together with easy manoeuvrability and load handling.

### Reasons for choosing Roxtec

Flexible seals that also provide vibration dampening for hydraulic pipes. Good support and overnight-deliveries from the Roxtec supplier. Seals designed for the marine environment.



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