



# Cable and pipe transits for the oil industry

REPORT FROM THE MIS YARD IN THE UNITED ARAB EMIRATES

Maritime Industrial Services, MIS, provides the oil industry with a series of F&G Super M2 offshore jack-up rigs. The contractor has specified Roxtec cable and pipe transits to ensure cost-efficient

production and long-term operational reliability. MIS also benefits from the local service and support: "Being on time is everything, and Roxtec is a quick supplier," says Tom Hart, Project Manager of MIS.

# Speed and safety for better business

Roxtec solutions meet the various needs through the entire process. It is, for example, important to save time in all production phases. The faster the jack-up drilling rigs reach the market, the more the owner will gain.



*Ahmed Numan of Roxtec and Pablo R Elorde, certified Roxtec installer at MIS.*



*Mohammed Toubasi, Roxtec, and Harish Kannan, MIS, using Roxtec software to plan cable transits.*

The new Super M2 rigs are designed by Friede & Goldman and built at MIS' yard in Port Khalid in Sharjah, UAE. The first rig, the SeaWolf Oritsetimeyin, took MIS 24 months to complete. The target for the third one is 16 months.

"I decided to go on with Roxtec to be able to get quick deliveries," says Project Manager Tom Hart. "The seals are versatile and easy to use, and have the required certificates."

## **Avoid costly delays**

Procurement Engineer Suganya Panneerselvam is also satisfied with the speed of Roxtec. Unexpected design changes require logistic solutions and well-stocked suppliers: "It may be a small part of a rig, but if the transits are not here when we need them, the work of a hundred people is blocked."

## **Faster design work**

The design engineers at MIS find the Roxtec Transit Manager software a useful tool for planning transits.



*Roxtec transits for plastic pipes and cables.*



*"Quick actions and availability is more important than price," says Joel Cortejo at MIS.*

**"I decided to go on with Roxtec to be able to get quick deliveries"**



*The Super M2's are the first offshore jack-up rigs ever built in the Middle East. Its operating water depth is 300 feet (91.4 m), its drilling depth 30,000 feet (9,144 m).*

Instrument Design Engineer Harish Kannan will be able to work twice as fast with the latest version of the software – and save 15 minutes on each one of the 500 drawing sheets: "I used to fill in the transit plans by hand. Now I can pass them on directly."

**Ready for expansion**

Onboard the jack-up rigs, Roxtec transits are used for sealing and managing of thousands of cables as well as steel and plastic pipes. The transits allow modifications and installation of additional cables during construction and in the future.

**Installation training**

According to Electrical and Instrument Superintendent Joel Cortejo, the commitment and presence of Roxtec create the base for a good long-term relation. He says that the free installation training for 60 installers provided by Roxtec was beneficial.

**Easy checking safety**

Representatives from the ship classification society ABS, American Bureau of Shipping, received Roxtec training as well, which will help them in their inspection work.

"It is good to know this simple solution," says Principal Surveyor Darko Begović. "There must be no issues in this business. If anything happens, you may lose a billion dollars."

**BENEFITS**

- A-60 fire rating
- Watertight
- Area efficient
- Easy to install
- Flexible for users
- Reliable and available



*Area efficiency is ensured by Roxtec.*



## Facts

<b>Project type</b>	New-build of jack-up drilling rigs
<b>Customers</b>	SeaWolf Oilfield Services, Nigeria (owner) Friede & Goldman, USA (design) Maritime Industrial Services, United Arab Emirates (contractor) Thermo LLC and Seven Seas Ship Maintenance (sub-contractors)
<b>Applications</b>	Cable and pipe transits in jack-up rigs
<b>Requirements</b>	Fire-proof according to A-60 marine fire rating Watertight according to marine classification Gas-tight
<b>Roxtec products</b>	Roxtec S frames Roxtec SF frames Roxtec RS seals Roxtec RS PPS seals Roxtec RS PPS/S seals Roxtec Wedges Roxtec adaptable sealing modules
<b>Reasons for choosing Roxtec</b>	Local stock, quick deliveries Design and technical support Cost-effective installation High safety demands Multidiameter™ – adaptability to cables and pipes of different sizes through sealing modules with removable layers

### Roxtec oil & gas references

Agip ENI, Aramco, BP, CCIC, CDB  
Corall, CDB ME Rubin, Chevron,  
CNOOC, CNPC, ConocoPhillips,  
Daewoo Heavy Industries, Drydocks  
World Dubai, ENPPI, Fluor, Foster  
Wheeler, Hyundai Heavy Industries,  
IOEC, J Ray McDermott Middle  
East, JSCo PO Sevmash, Keppel  
Fels, Kvaerner, Lamprell Energy,  
NIOC, NPCC, Raffels Shipyard,  
Sadra, Samsung Heavy Industries,  
Shell, SINOPEC, Statoil, Techno-  
mare, Vyborg Shipyard.



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