



### Summary

Image: None.png

<b>Industry:</b>	Marine
<b>Application:</b>	Exploration Rig
<b>Actual Saving:</b>	£n/a
<b>Payback Period:</b>	n/a



## ERIKS Explore the Ocean Floor

Invaluable engineering support on short timescales

### ISSUE

A request was received from a design house in Great Yarmouth to put together a complete drive for launching two observation rigs into the water. The rigs were to be used for scientific exploration on the ocean floor. The whole drive would be installed on a trawler.

The 24T rig would be stowed in the Port side of the hold and the 12T rig on the Starboard side. Both would be launched and stowed away again via a central conveyor to the "Moon-Pool" launch area.

### SOLUTION

After lengthy discussions with the design house, calculations were made by ERIKS in order to establish the torque and speed requirements of all 3 drives. The control solution provided for the user to operate the launch mechanism from a central control pendant. ERIKS worked closely with their partner supplier Renold and each drive was supplied with 1½" Pitch Renold Synergy BS Transmission chain with K1 attachments.

ERIKS selected Quadruple reduction Fenner Series C geared motor units fitted with Danfoss FCD300 series integrated inverter modules. The control pendant was specially designed and produced to cater for the customer's requirements. In addition to the drive components, ERIKS also supplied bearings, sprockets and chain-tensioners.

The project needed to be supplied in just two weeks as the boat was due to sail shortly after. The launch mechanism still needed to be installed and commissioned, after sales support was provided ERIKS Drives experts to commission the drives on board ship and iron out initial teething troubles.

### OTHER BENEFITS

- Full design, build, test, and after sales support
- Speedy design, build and supply - to meet customer's demands
- Wide portfolio of products from partner suppliers

### FURTHER COMMENTS...

Unrivalled impartial in-house technical expertise from ERIKS was essential to the success of this project.

### MORE INFORMATION

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know-how makes the difference

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