

Factsheet Surveying

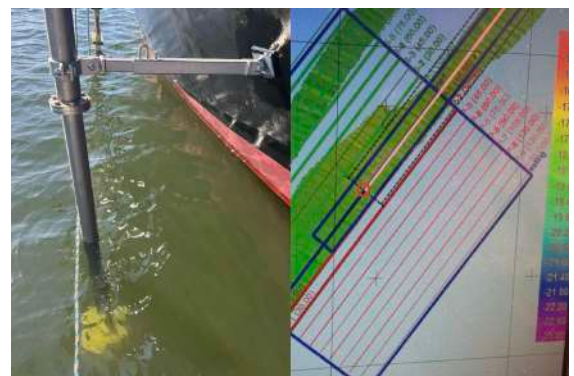
The Sea Ranger Service carries out hydrographic and ROV surveying with its sailing work ship SV Fantastiko. This factsheet provides a brief overview of the surveying pilots and capacity currently being built up on board the ship.

HYDROGRAPHIC SURVEYS

In collaboration with Kongsberg, Maritime Institute Willem Barentz and G2 Surveys, the Sea Ranger Service carries out surveying pilots with the deployment of a Kongsberg EM 2040C multibeam echosounder from its work vessel.

Technical specifications:

- Frequency 300-400 kHz
- Execution according to IHO special order criteria
- Using 06GPS RTK correction signals.
- Sailing speed 4-5 knots depending on circumstances
- Specially developed lines plan for sailing surveying



Installation of a multibeam echo sounder on the ship takes place via a pole mounted on the bow.

ROV SURVEYS

For surveying offshore installations, the Sea Ranger Service works together with Vriezoo BV in the use of an ROV type Mojave.

Technical specifications:

- Length : 1.000 mm, width : 600 mm, height : 550 mm
- Thrust : forward 53 Kg, lateral 53 Kg, vertical 26 Kg
- Max depth : 300 metres
- Weight : 100 Kg (neutral in seawater), payload : 12 Kg
- Camera #1 : 540 lines/ 0,02 lux colour
- Camera #2 : 2x10-5 Lux B&W (near sit)
- Sonar : Blueview M900-130
- Max speed : 3,5 Knots



ROVs have been deployed from the Sea Ranger Service ship for surveying offshore installations in the North Sea.

Partners



Contact



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