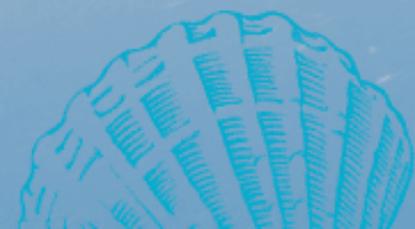
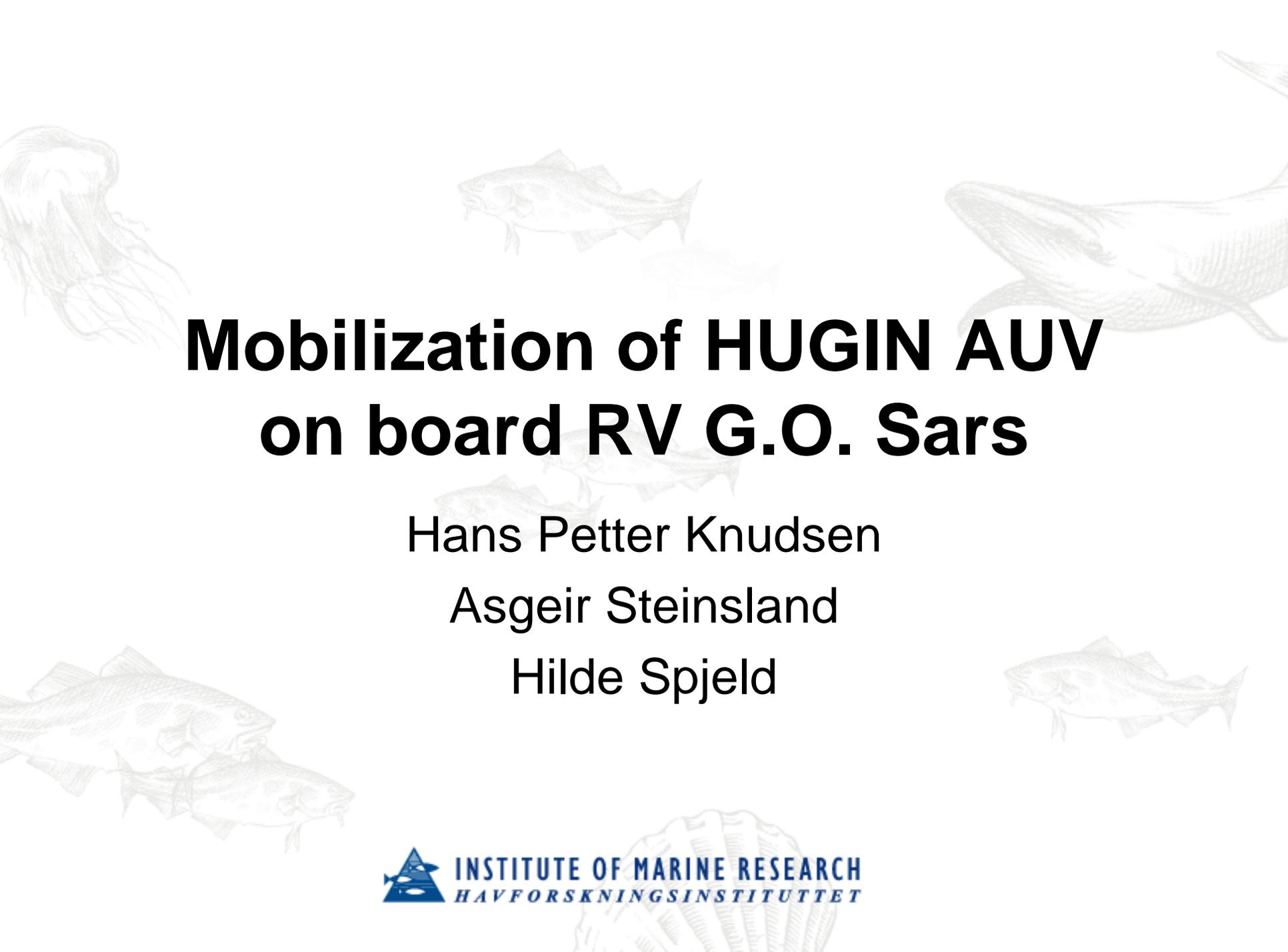




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Mobilization of HUGIN AUV on board RV G.O. Sars

Hans Petter Knudsen

Asgeir Steinsland

Hilde Spjeld



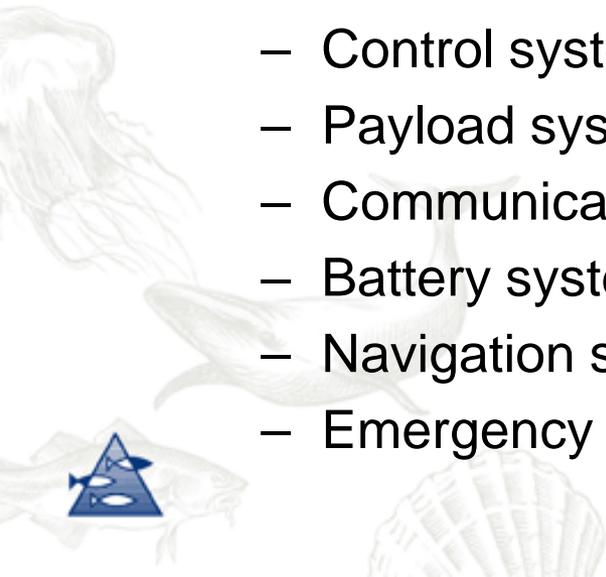
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HUGIN

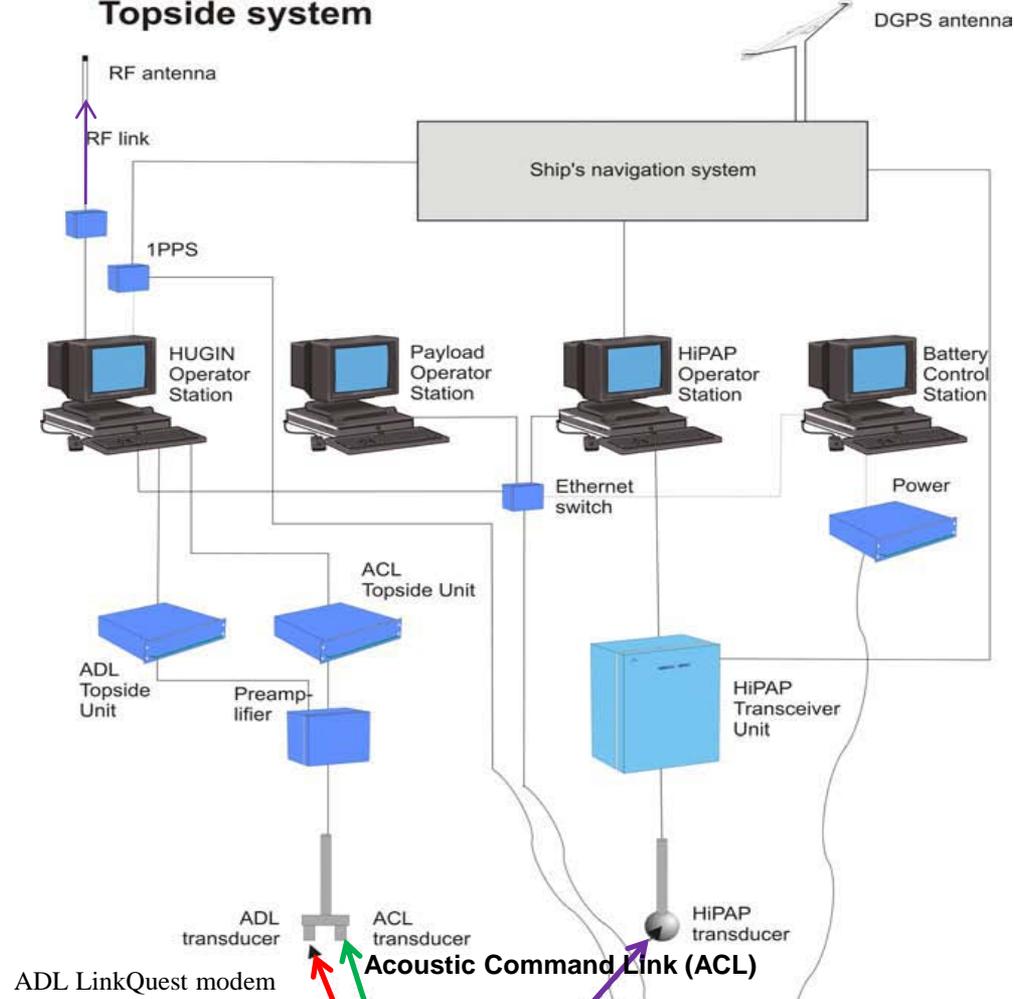


HUGIN 3000 AUV

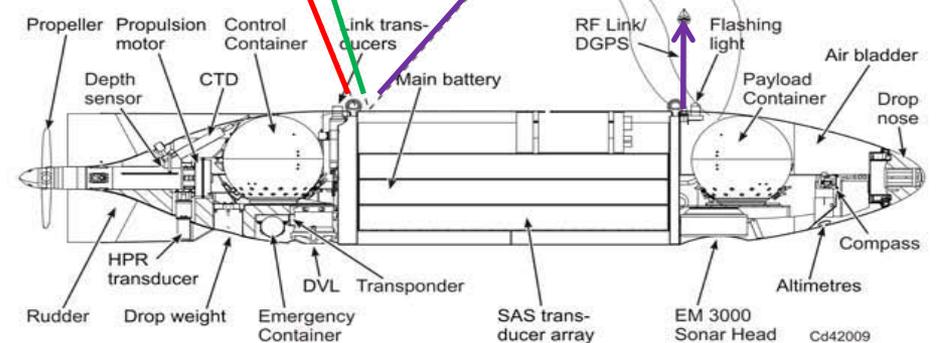
- Topside system on host vessel:
 - Operator stations
 - Transceiver units
 - Transducer units
 - RF-link
- Autonomous Underwater Vehicle (AUV):
 - Sensor units
 - Control system
 - Payload system
 - Communication, RF, ethernet and acoustic
 - Battery system
 - Navigation system
 - Emergency system



Topside system

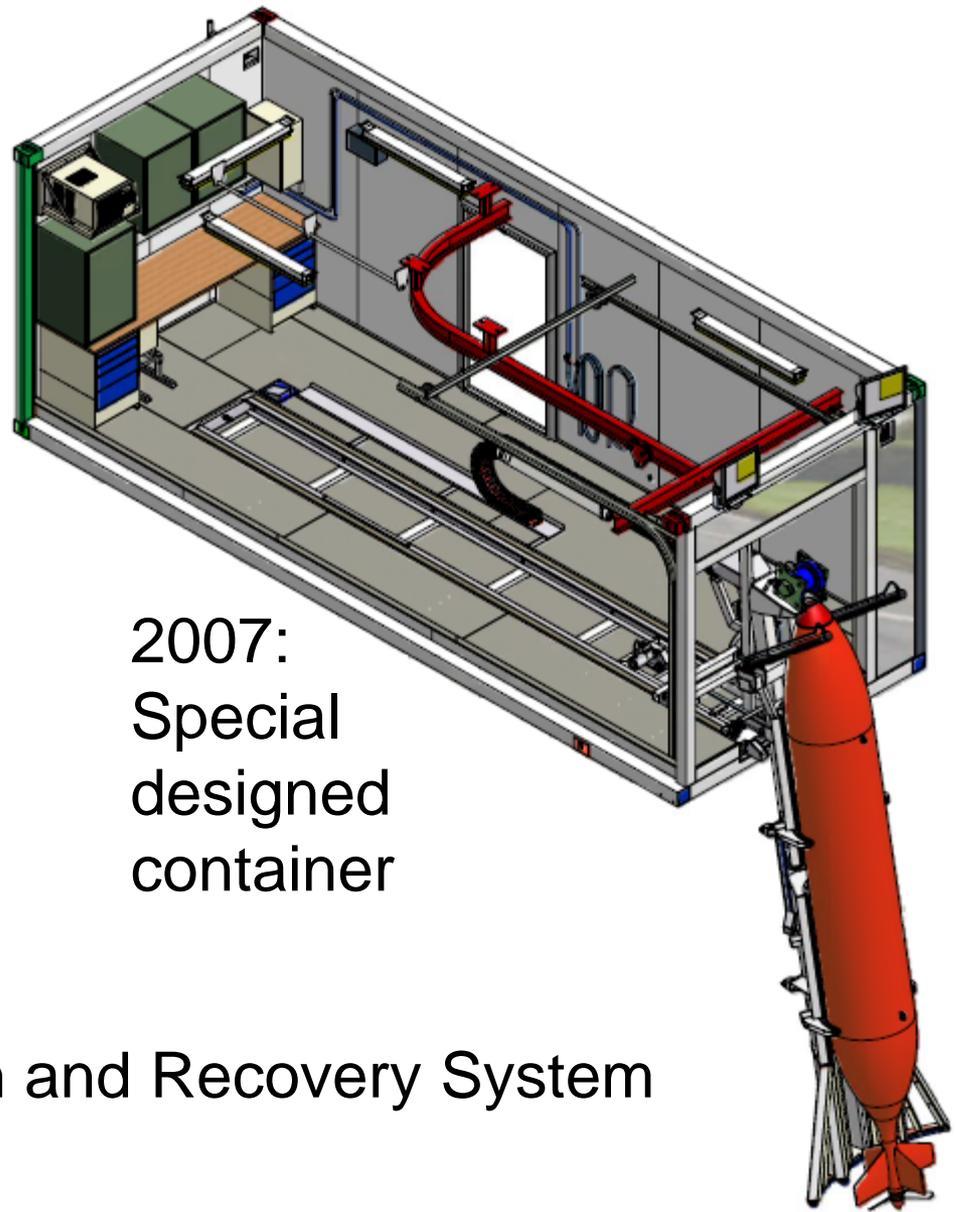


Vehicle





1999



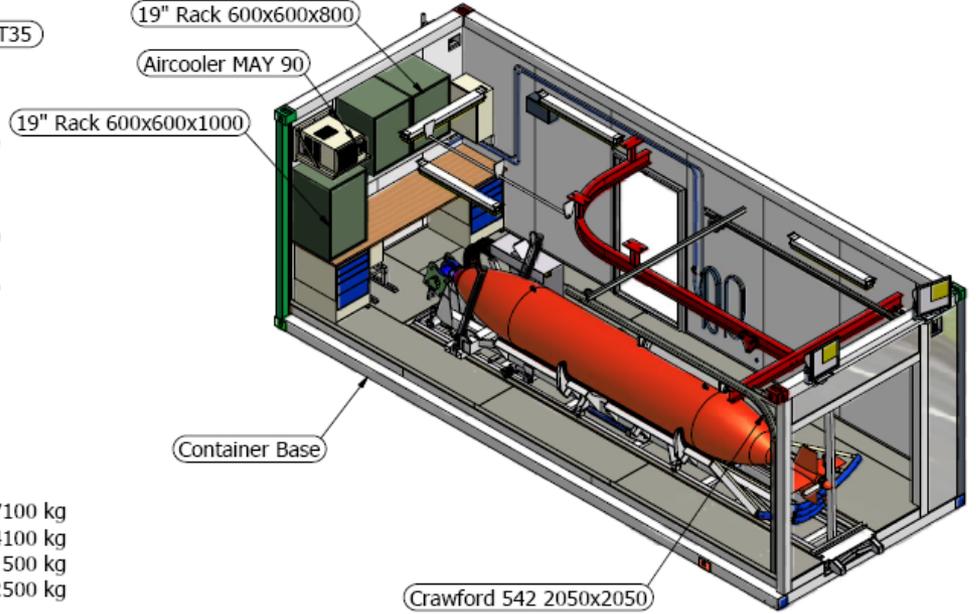
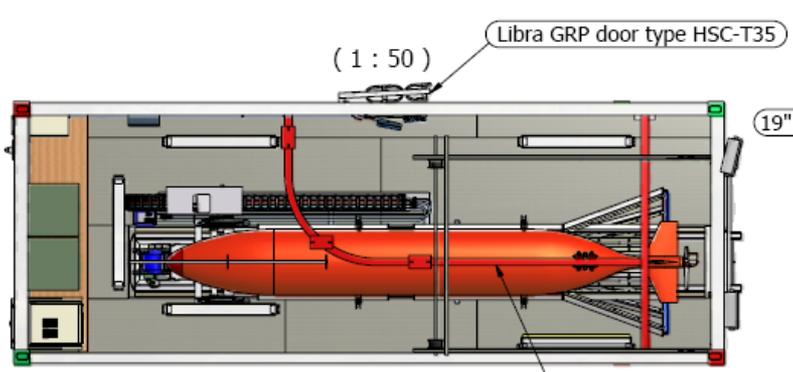
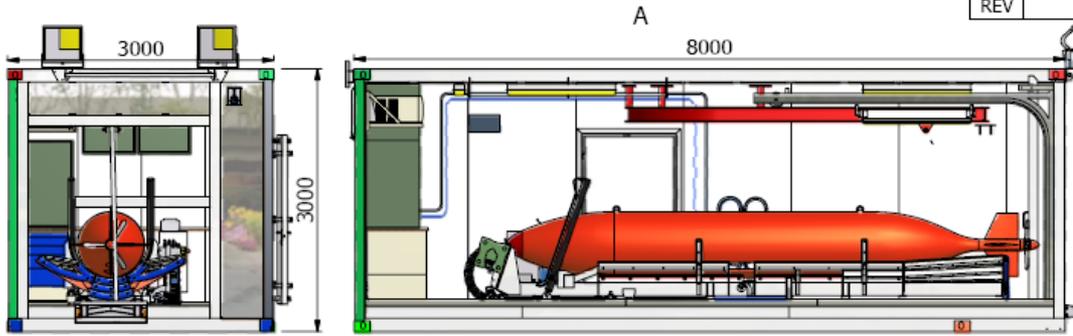
2007:
Special
designed
container

Launch and Recovery System



REVISION HISTORY

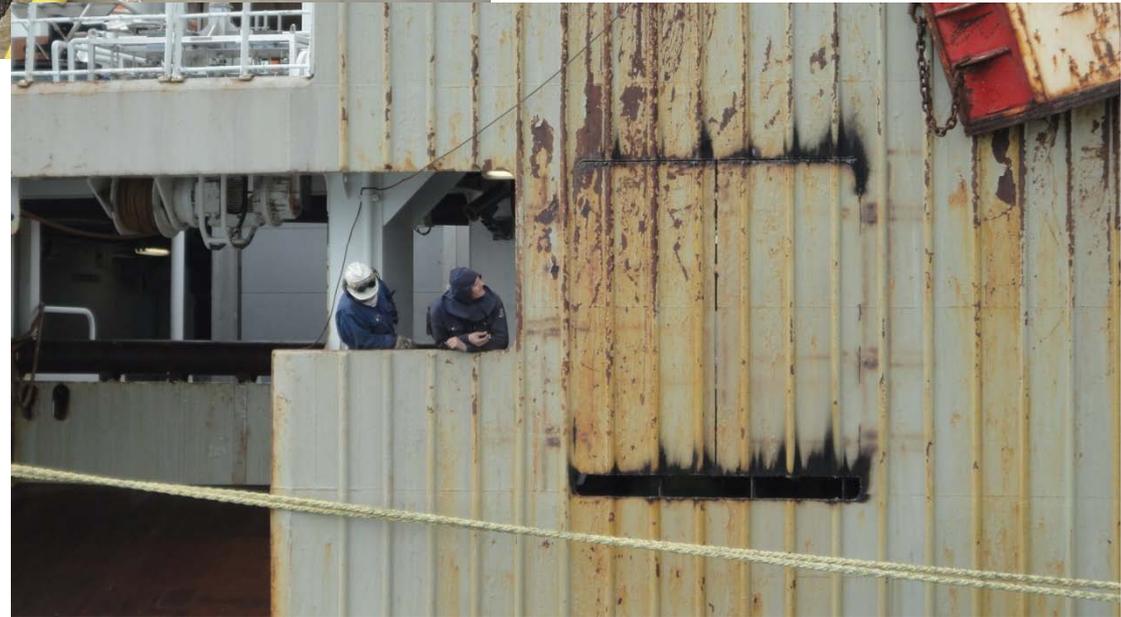
REV	DESCRIPTION	DATE	BY	APPR.
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↑
A

Container Weight With All Equipment: ~ 7100 kg
 Container Weight Construction: ~ 4100 kg
 Equipment Weight : ~ 500 kg
 Stingersystem Weight : ~ 2500 kg







The "stinger" is removed from container





The base for the "stinger" is fixed on deck.
The base can be moved for clearance to the door.



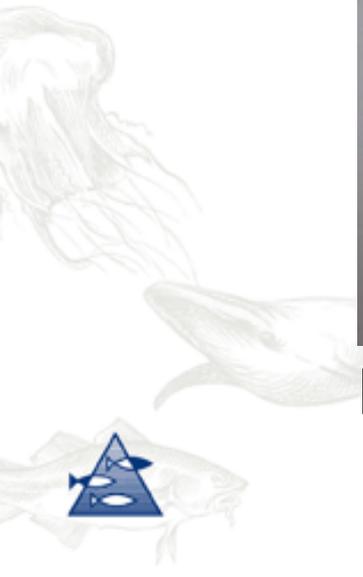


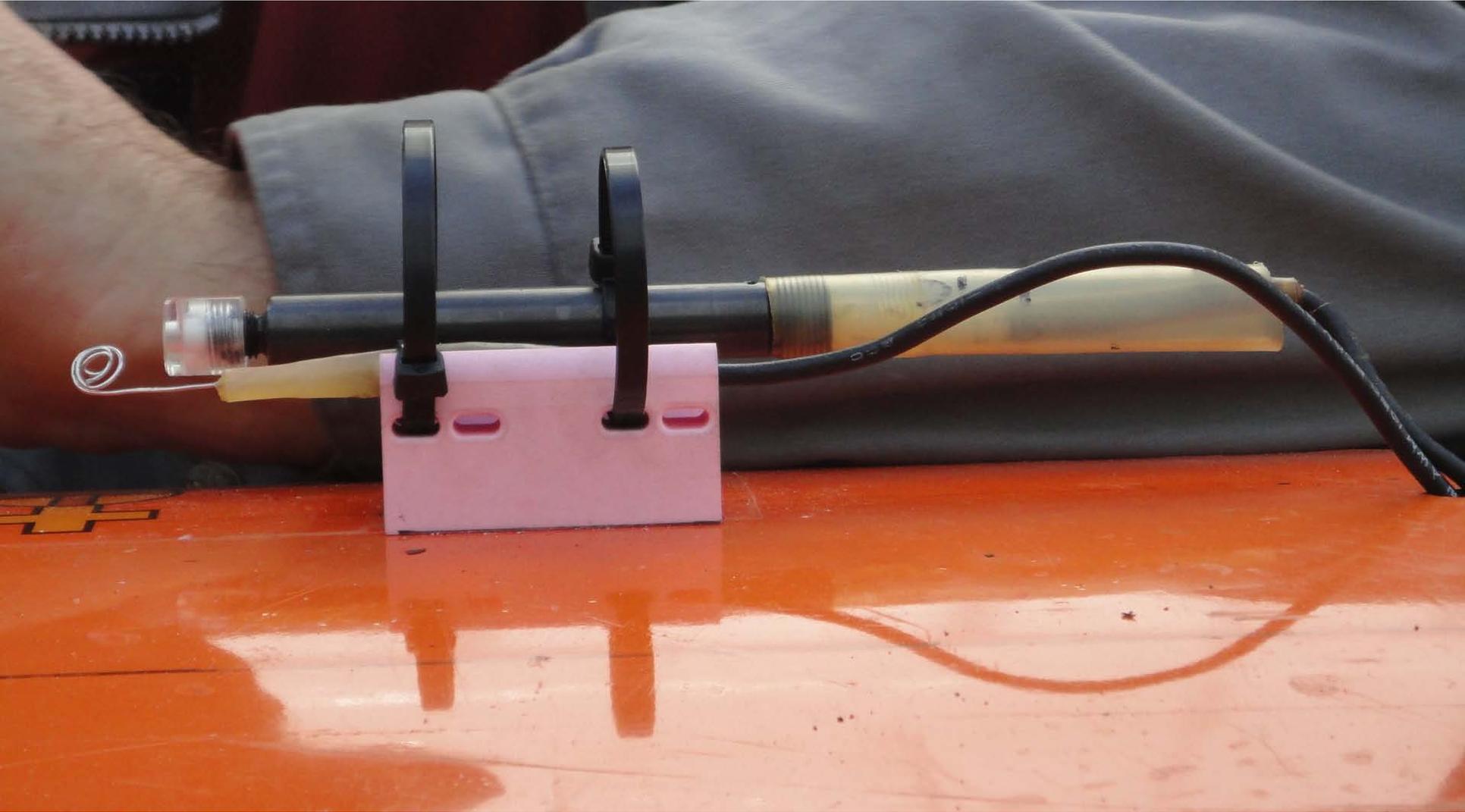
The "stinger" is mounted on the base





Hydrophones for commands and data communication installed in drop keel.





eH-sensor attached to Hugin





Provisional cover for eH-sensor



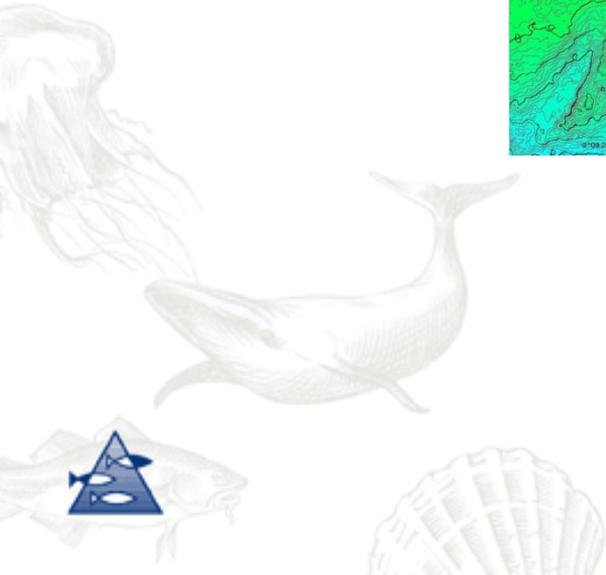
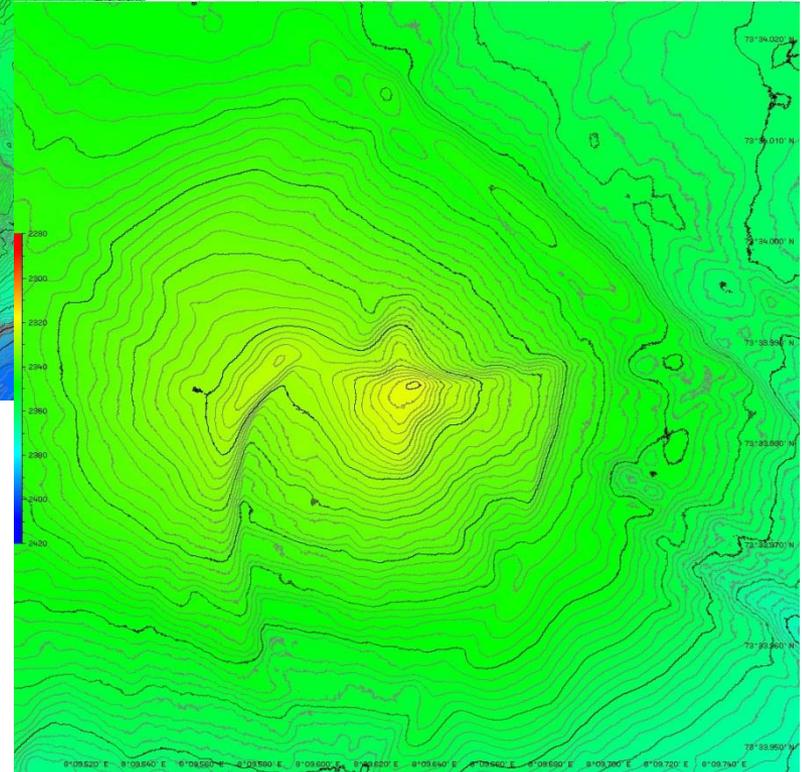
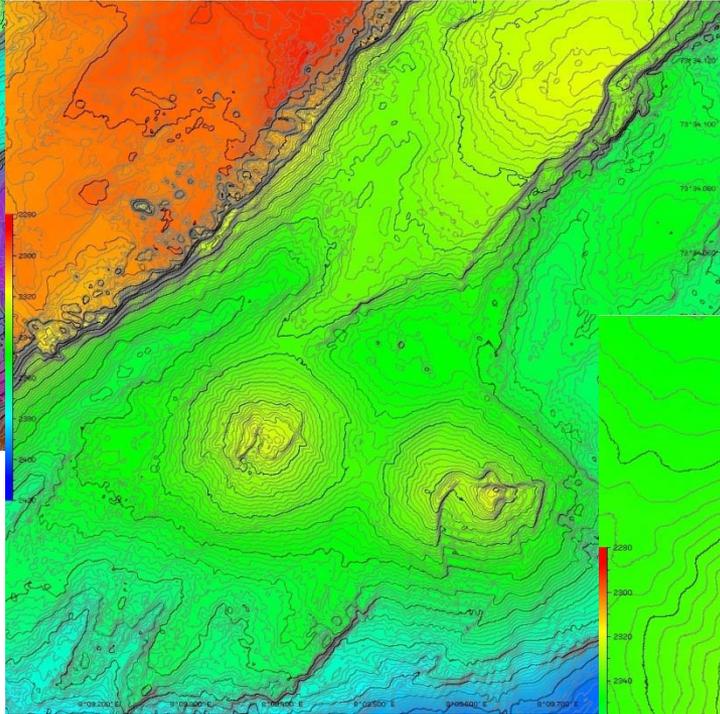
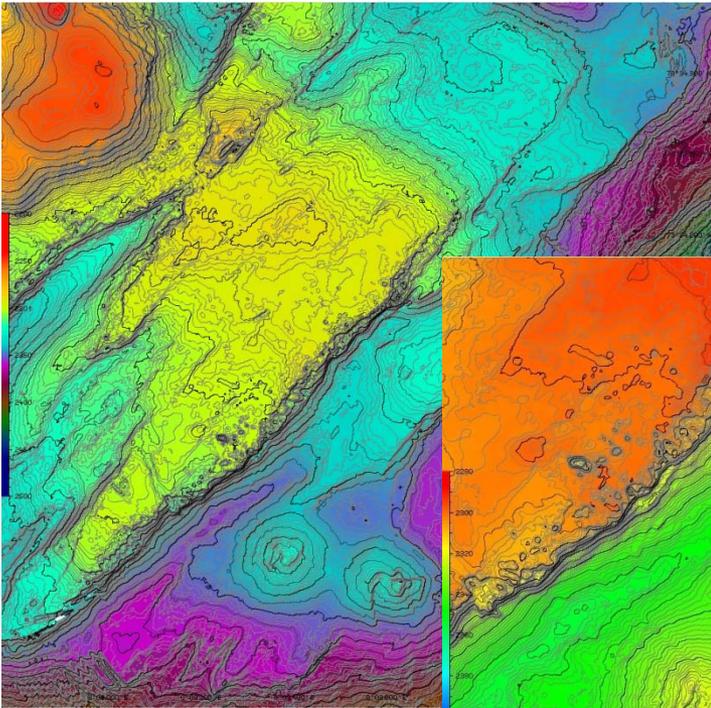




Operator station



Samples of the data achieved by Hugin



Acknowledgements:

Thanks to:

Skipsteknisk AS for designing the arrangement on
RV G.O. Sars,

Tromsø Mekaniske AS for the installation on board,

The Hugin operators team from **Norwegian Defence
Research Establishment**

and the **crew / instrument personnel** on RV G.O. Sars

