



Combining supply and research in the Southern Ocean

We integrate supply with research activities in the Kong Håkon VII Hav on the annual cruise between South Africa and the ice shelf 4E.

Three weeks round trip: Cape Town - the ice shelf 4E - Cape Town.

Seven days dedicated to research activities (sea ice operations, mooring operations etc.) in the Kong Håkon VII Hav.

Cape Town



MV SILVER ARCTIC

Length: 74 meter
Polar class: 6 (ice-strengthened)
Container capacity: 110 TEU
Cargo crane x 2:
TTS Knuckle Boom 35(36)/23, 17,5/30 + Liebherr CBW 45/18,6
Researchers on board: 6 (3 x double cabins)

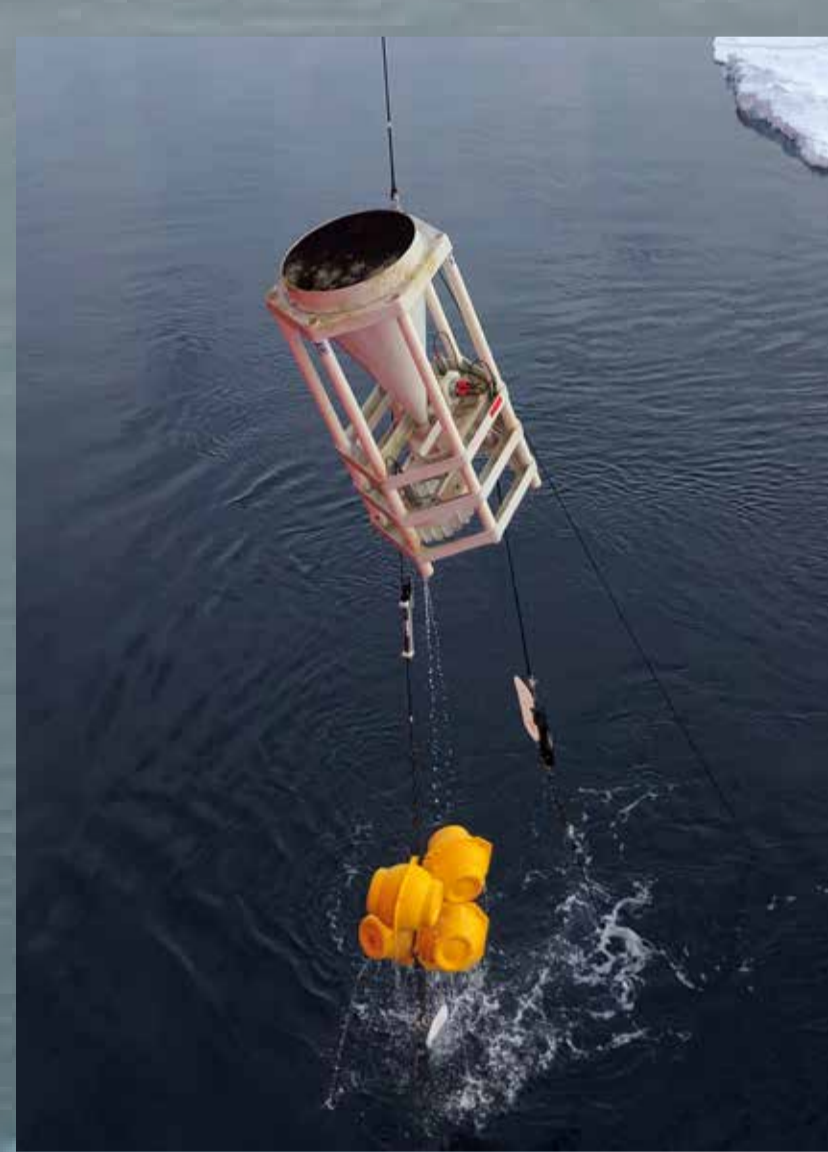
Manoeuvring: Dyn Pos
Main engine: 2040 kW



CONTAINER-BASED SCIENCE DECK

20" research container moduls adapted to support oceanographic mooring work and profiling stations such as:

- mechanical and electrical workshops
- CTD-lab
- bio/ice lab



MOORING AND CTD WINCHES

adapted for scientific work such as:

- retrieving and deployment of deep ocean moorings
- CTD and water samples along the transect
- deployment of autonomous underwater and surface drones



SEA ICE OPERATIONS

Crane and basket + work boat (Polarcirkel)

Troll Station



Troll Observing Network



Troll Research Station

npolar.no

PHOTOS
Samuel Martínez Llobet (background + ice work), Tore Hattermann (container deck at Malik Arctica) and Sebastien Moreau (sediment trap) / Norwegian Polar Institute

DESIGN
Trine Lise Sviggum Helgerud / Norwegian Polar Institute