

UiT

**THE ARCTIC
UNIVERSITY
OF NORWAY**

A New Norwegian Research Vessel

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Marine Bioprospecting in an Arctic Marine Environment



R/V Kronprins Haakon



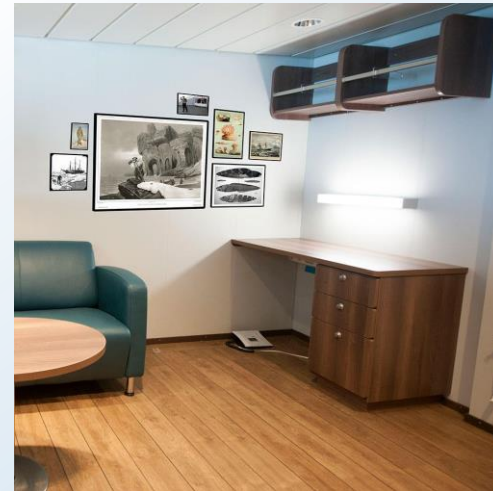
Technical details

- Length 100 m
- Width 21 m
- Draft 8.5 m
- Gross tonnage 10900 T
- Polar Class 3 *"Year-round operation in second-year ice with multi-year ice inclusions"*

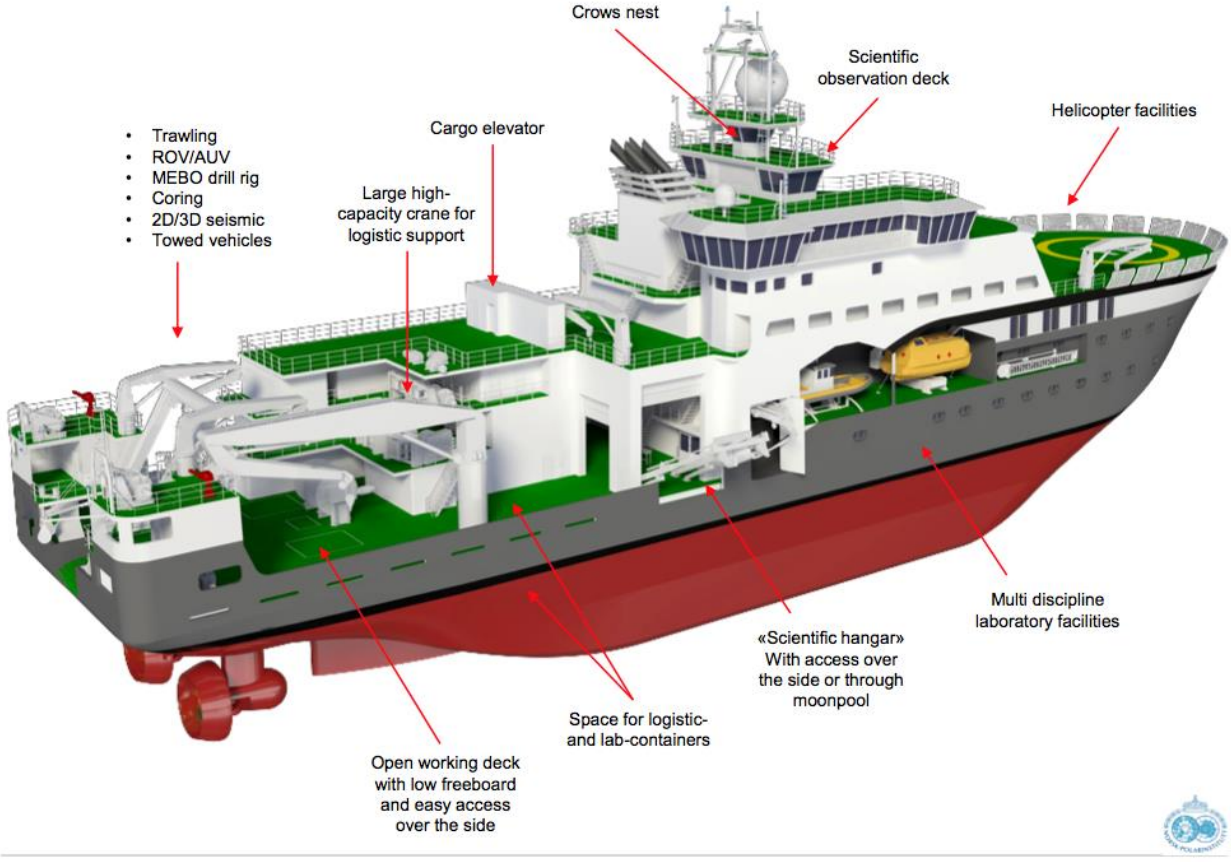


Technical details

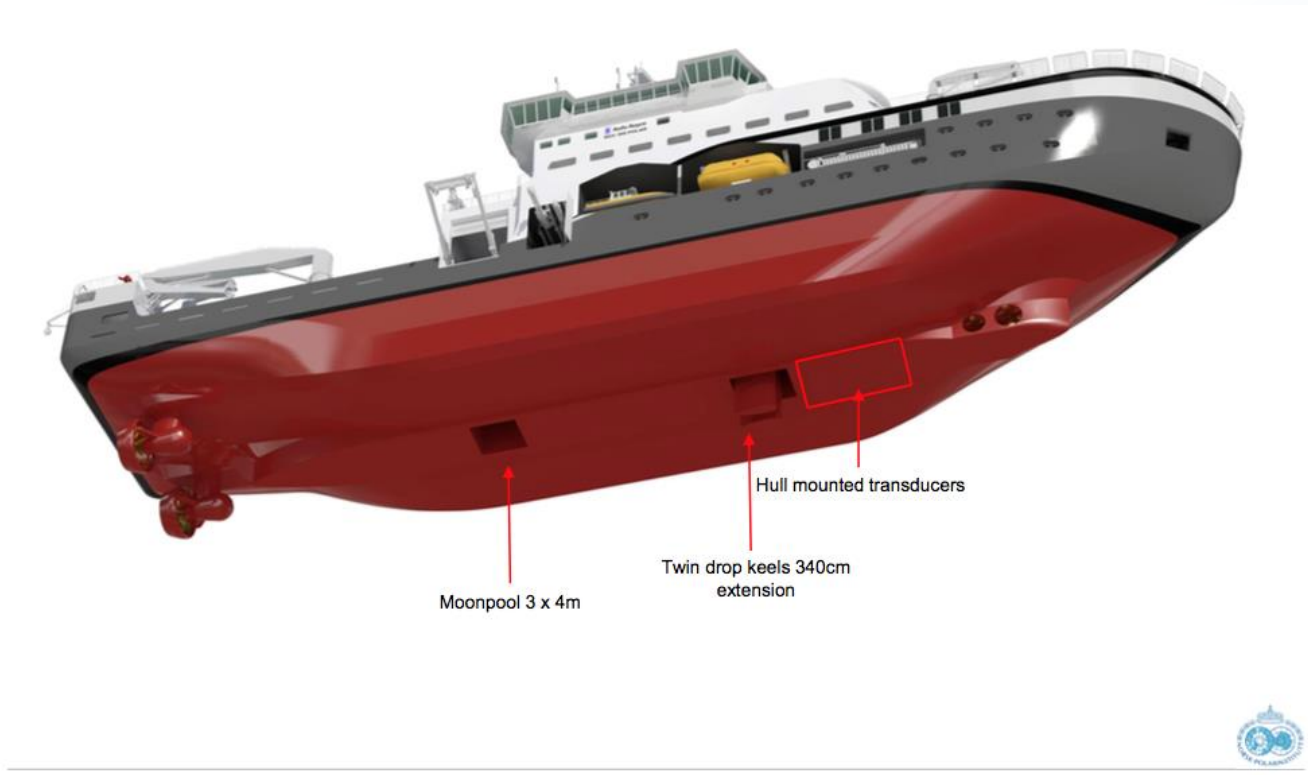
- Maximum cruising range approx. 15.000 nautical miles
- Endurance 65 days
- 16 crew + 2 instrument engineers
- 37 science berths (3 single, 17 double)



Design

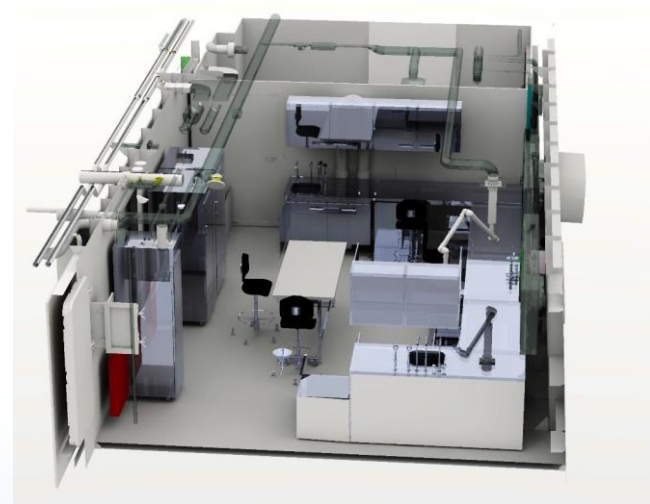


Design



Lab facilities

- 14 Laboratories
- 3 Container laboratories
- 3 Cool rooms
- 2 Freezer rooms



Lab facilities

302 Dry lab common

- Dry lab

301 Chilled lab

- For experiments

318 Fine/Electronic workshop

- Electronic repairs

303 Wet lab common

- for living materials

307 Isotopic lab

- Wet lab

308/309 Wet lab biology

- Multi-purpose Wet lab

311 Environment toxicology lab

- Wet lab

312 Cooler room

- Cooling preparation/storage

313 Freezer room

- Storage of bio/geo samples

310 Catch sample room

314 Cooler rom

- experiments, cooling and storage

315 Cooler room

- temporary cooling and storage

316 Filtering lab

- Wet lab w/access from 303

317 Education lab

- 20 persons

Auditorium

- 50 seats

319 Wet lab Geology/Benthos

- Wet lab for coring/ice samples

320 Microbiology lab

- Dry lab

323 Cooler room

- Live samples

325 Freezer ice samples

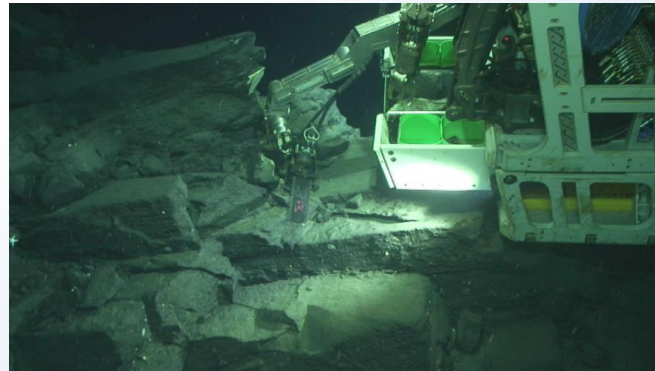
- Storage of ice samples

322 Ice lab

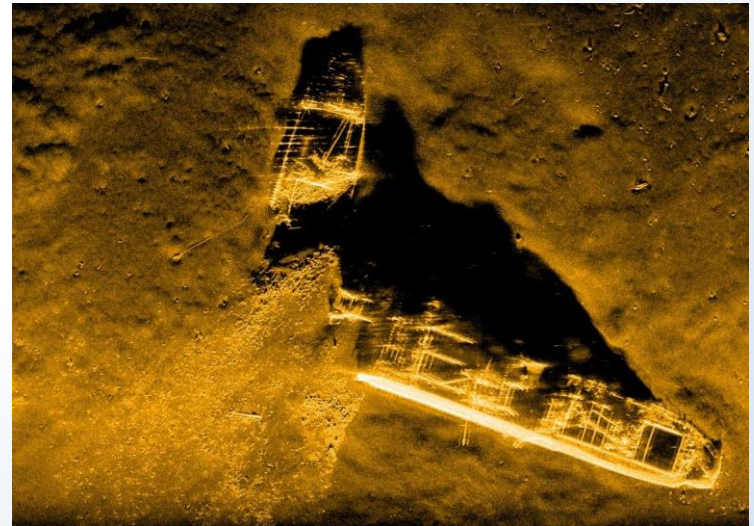
- Freezer lab for analyzing ice cores



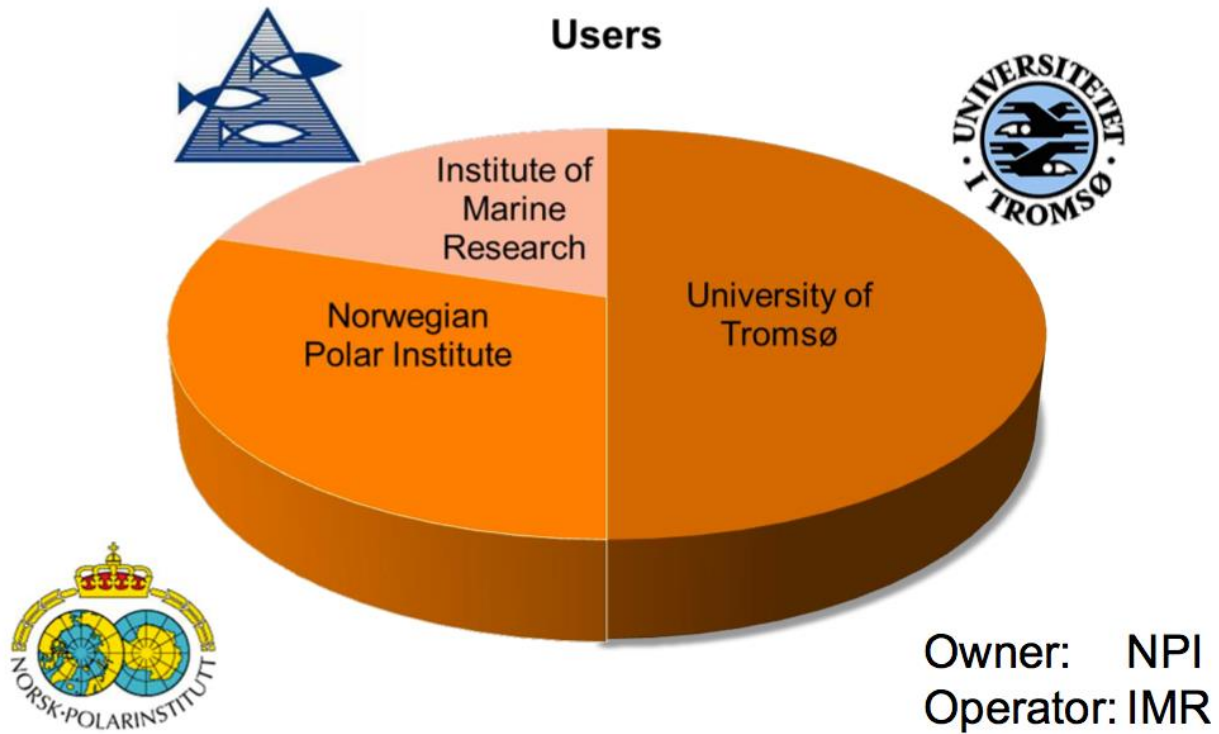
Ægir ROV



Hugin AUV



Owners and Users



Acknowledgement

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