



'Old' research fleet



RV Stern



Length: 14.6m
Speed: 15 knts
Age: 46 years



Working area: Wadden Sea



Length: 19m
Speed: 21 knts

RV Adriaen Coenen



Building process at Next
Generation Shipyards in
Lauwersoog
(The Netherlands)

RV Navicula

Length: 23m
Speed: 7 knts
Age: 42 years



RV Wim Wolff

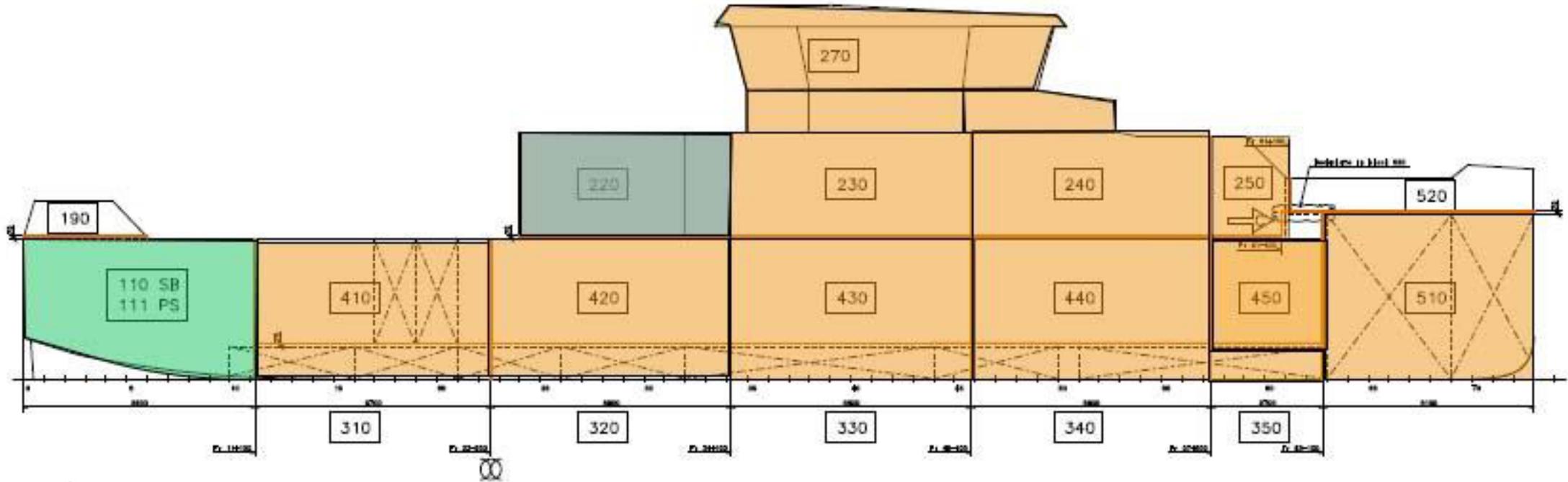
Length: 36m
Speed: 12 knts



Working area:
Wadden Sea, Delta and
near coastal North Sea

Building process at
Tekla Bodewes
Shipyards in Harlingen
(The Netherlands)





Sections:

- **Orange:** ready and welded together
- **Dark green:** ready
- **Light green:** work in progress
- **White:** not yet started

RV Pelagia

Length: 66m
Breadth: 12.5m
Speed: 10 knts
Age: 31 years
Berths: 25



Working area:
World wide except polar
regions



Working area:
World wide,
and near polar
regions
(Ice-class 1C)

Anna Weber van Bosse

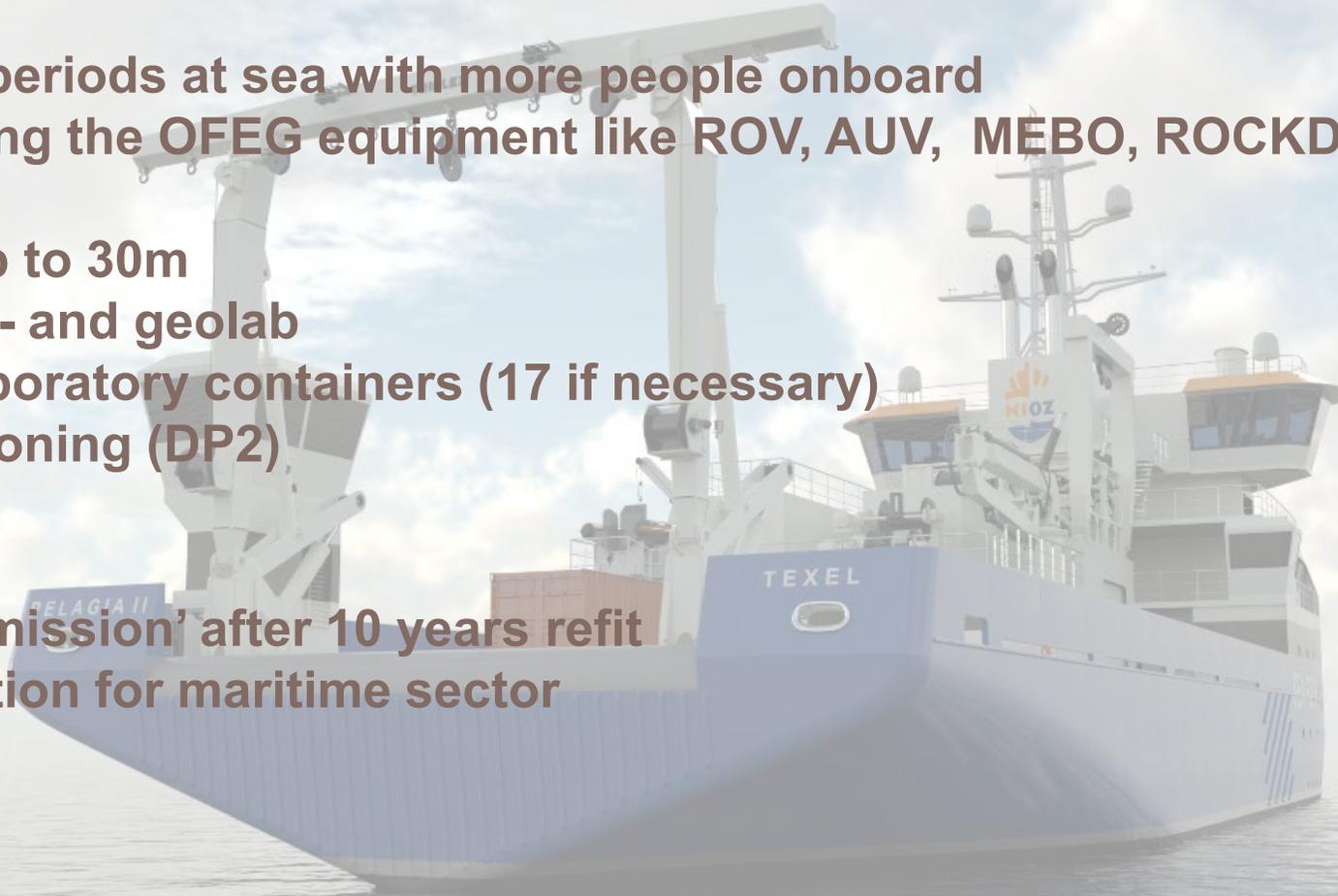
Length: 75-82m
Breadth: 17-18m
Speed: 12 knts at 85%
Berths: 46



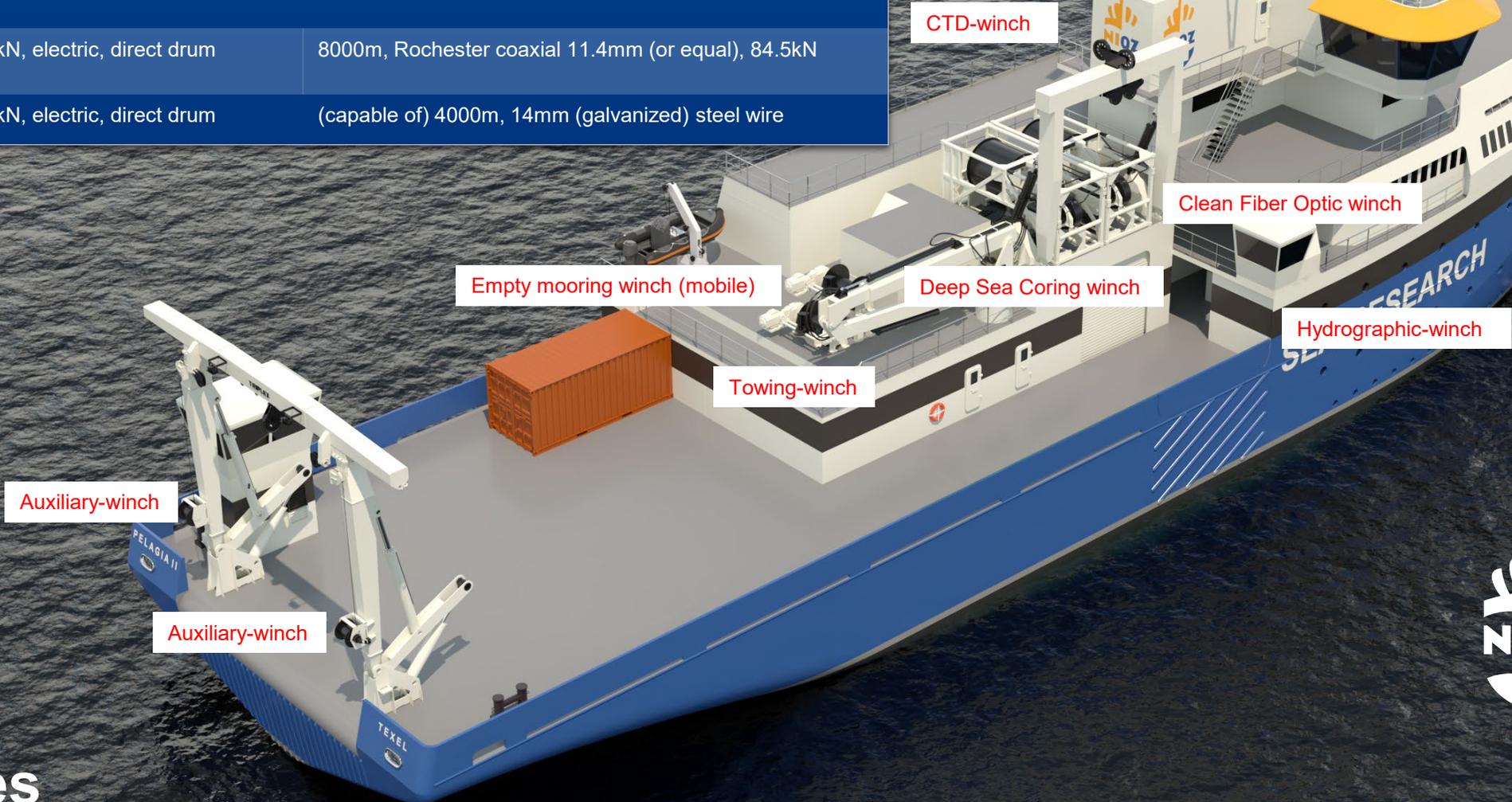
Features of the Anna Weber van Bosse



- Larger -> long periods at sea with more people onboard
- Capable handling the OFEG equipment like ROV, AUV, MEBO, ROCKDRILL
- Drop keel
- Piston cores up to 30m
- Main-, dry-, wet- and geolab
- Room for 12 laboratory containers (17 if necessary)
- Dynamic Positioning (DP2)
- Ice-class 1C
- Methanol ready
- Aim for 'zero emission' after 10 years refit
- Living lab function for maritime sector



Deep Sea Coring Winch	200kN, electric, traction winch	8000m, 28mm Dyneema or Aramid with braided cover, 650kN
Clean FO Winch	35kN, electric, direct drum winch, Active Heave Compensation	9000m, 23mm synthetic with FO and copper conductors, 180kN
CTD winch	65kN, electric, direct drum winch, Active Heave Compensation	8000m, Rochester coaxial 11.4mm (or equal), 84.5kN
Auxiliary winches	100kN, hydraulic, direct drum	150m, Galvanized steel wire (6x36), 140kN
Hydrographic winch	5kN, electric, direct drum	150m, stainless steel 6mm, 20kN
Towing winch	65kN, electric, direct drum	8000m, Rochester coaxial 11.4mm (or equal), 84.5kN
Mobile winch	90kN, electric, direct drum	(capable of) 4000m, 14mm (galvanized) steel wire



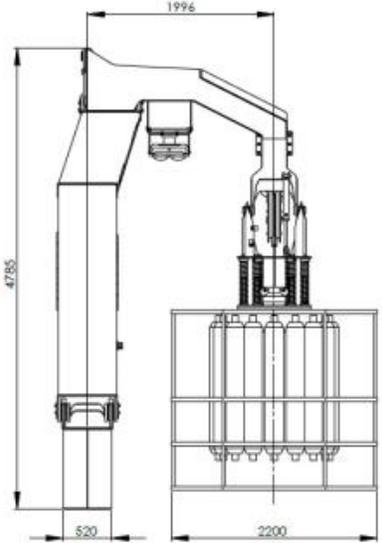
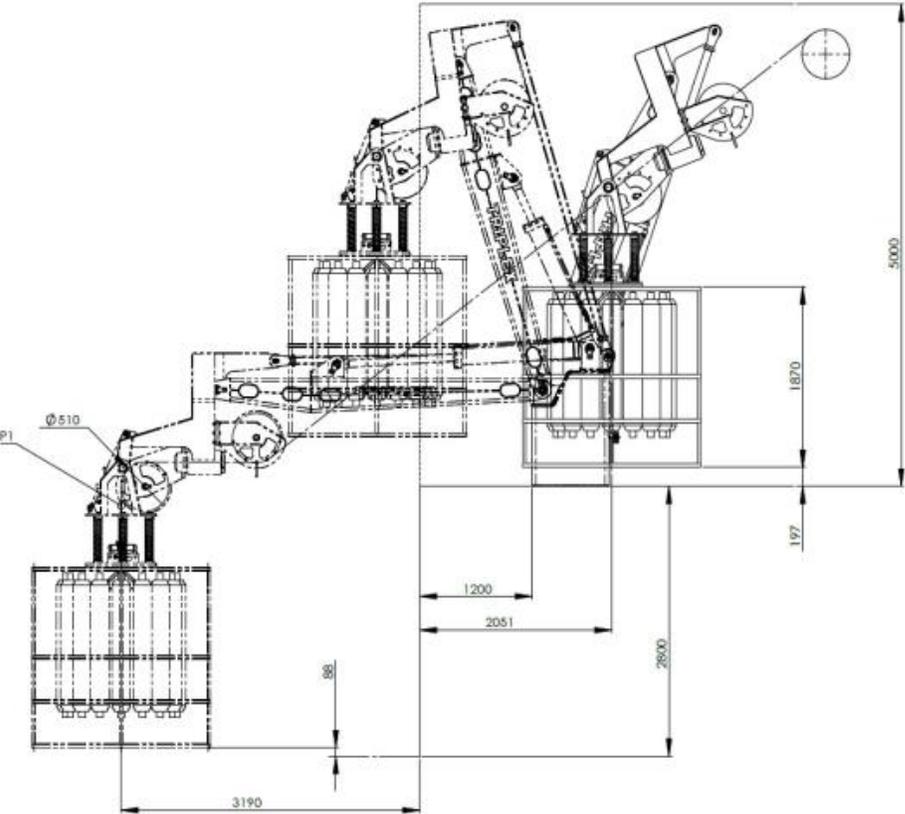
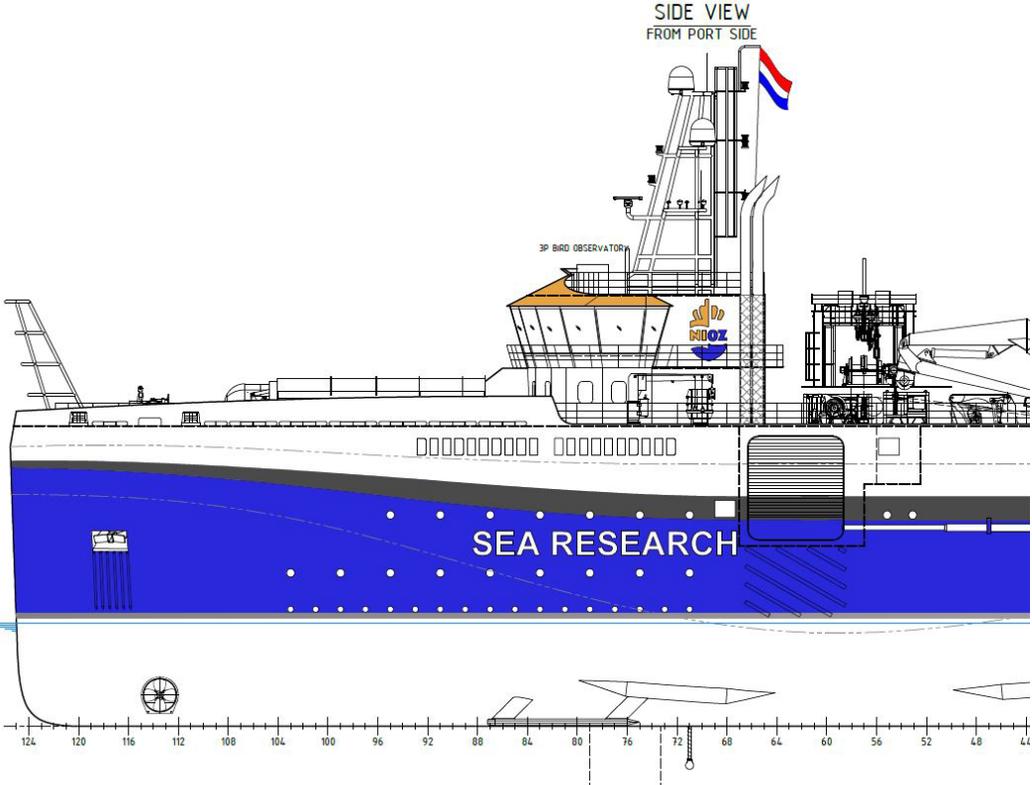
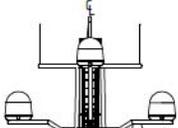
Winches

Handling and deployment systems



A-frame	SWL30T, height 9m, width 8m, 170° degrees	
A-frame	SWL25T, height 9m, width 4m, min. 60°	* Pendulum for recovery ultra clean CTD can be easily attached, service platform
CTD deployment system		* Distance from center docking head to side of vessel ~3m, distance from docking head to sea surface ~3m

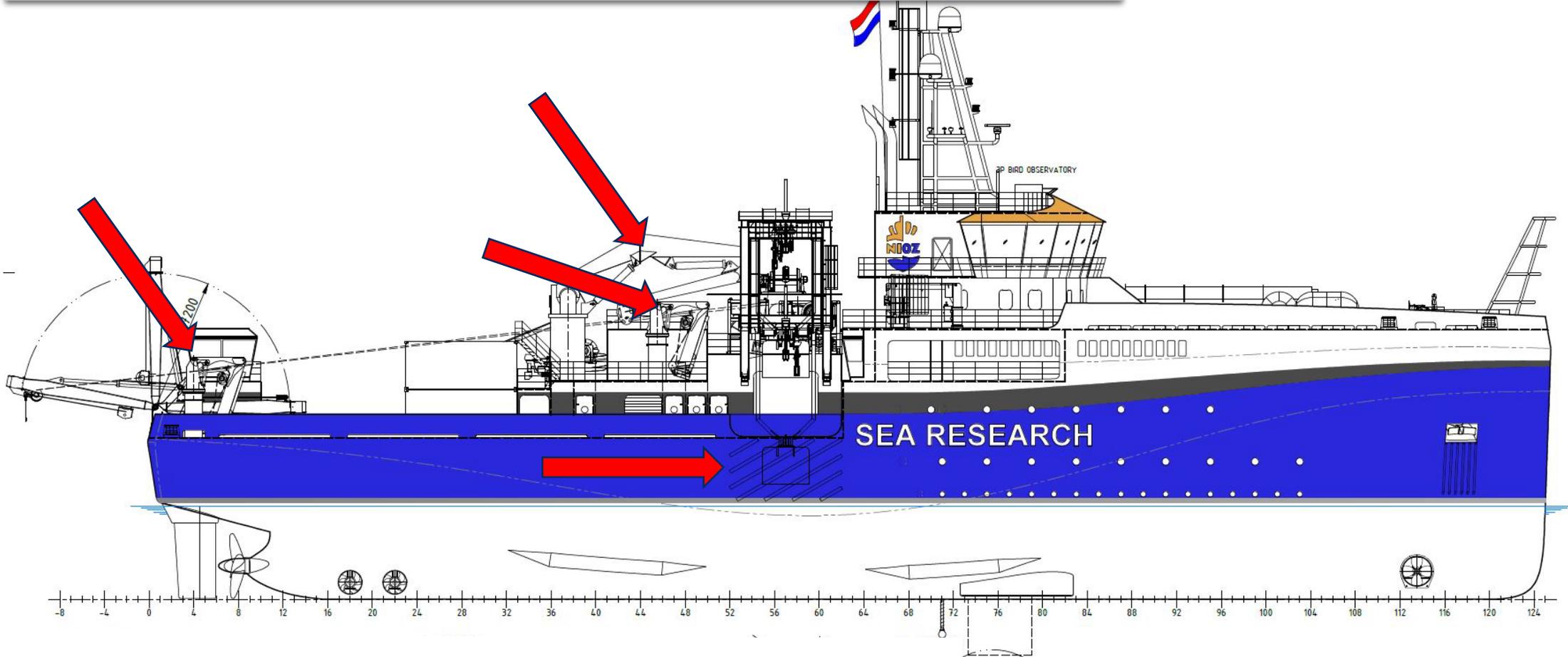
FRONT VIEW



Cranes



Main crane	10T-17.5m, knuckle boom	Max reach 17.5m
Foldable crane	5T-8m, telescopic knuckle boom	Max reach 17m
Foldable crane	5T-8m, telescopic knuckle boom	Max reach 17m
Over head crane	4x3.8T (or skidding system)	n.a.



Coming years large scale infrastructure

- 3 gliders
- 1 AUV
- Working class ROV

