IMR

Dag Hellesnes
Jostein Solhaug

IMR news

- Building two new vessels
  - “Dr. Fridtjof Nansen”
  - “Kronprins Haakon”
- Modernisation of old “Dr. Fridtjof Nansen” – will replase”Håkon Mosby” that will be phased out.
- Replace EK60 with EK80
- VSAT
- Ægir ROV

”Dr Fridtjof Nansen”

”Dr Fridtjof Nansen”

The Norwegian government decided in September of 2012 to fund construction of a new research vessel.
The vessel will be ready in august 2016, and will replace the now 20-year-old "R/V Dr. Fridtjof Nansen“. The new Dr Fridtjof Nansen will be a platform for collaborative marine research in developing countries.
The project is in cooperation with FAO and Norad.

Facts:
Length over all 74.50 m
Width17.40 m
Crew and Scientists capacity 15 + 30
Number of laboratories: 7
Propulsion power 3000 kW

Design: Skipsteknisk, Norway
Yard: Astilleros Gondan, Castropol, Spain

Web site: http://newnansen.imr.no/

Dr. Fridtjof Nansen Replacement – Block construction

AG-460 – Hull build progress – Update by 30th Sept 2015

Steel cutting

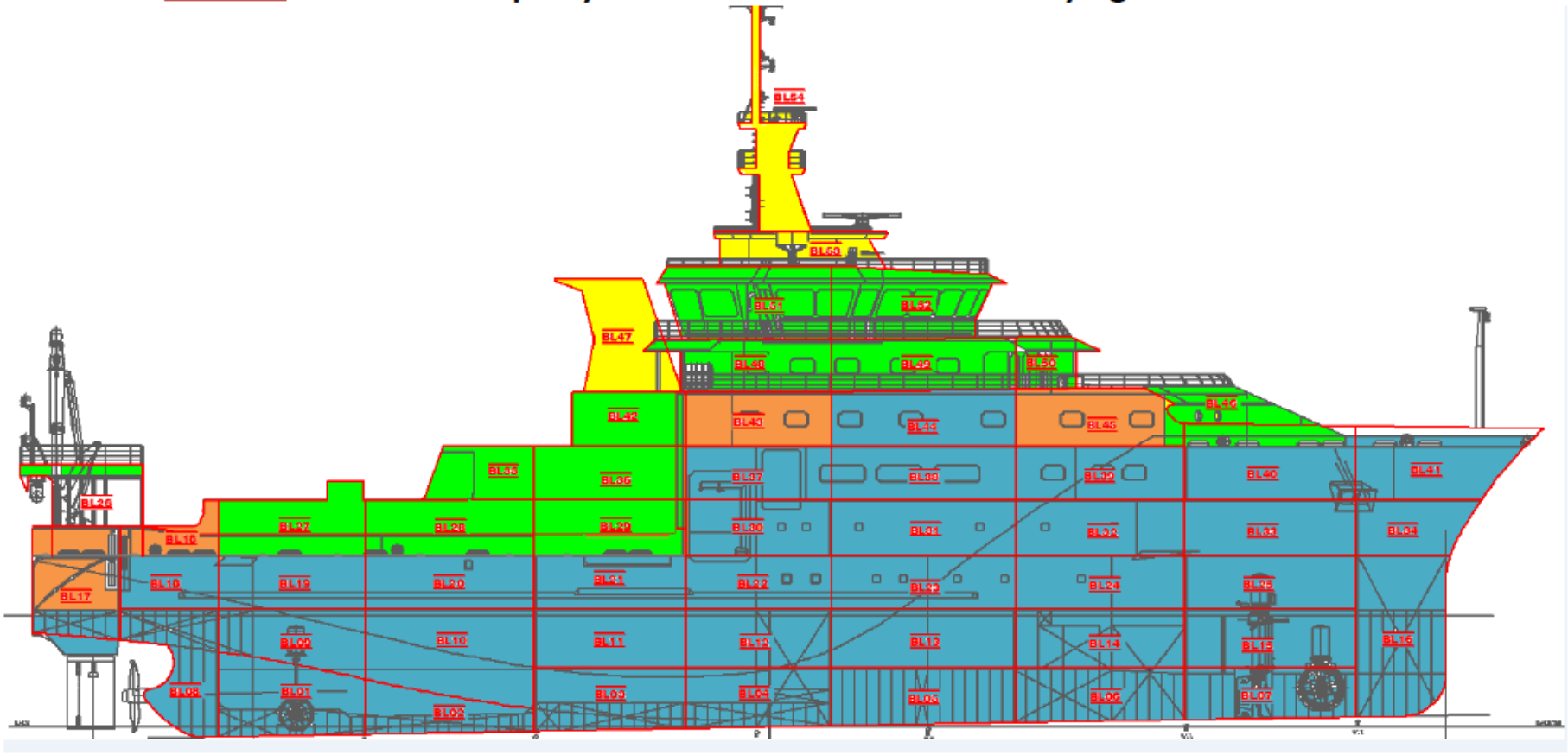
Under construction

Blocks ready to place on slipway

Blocks on slipway

First steel cut: 13.01.2015

Keel Laying: 23.04.15

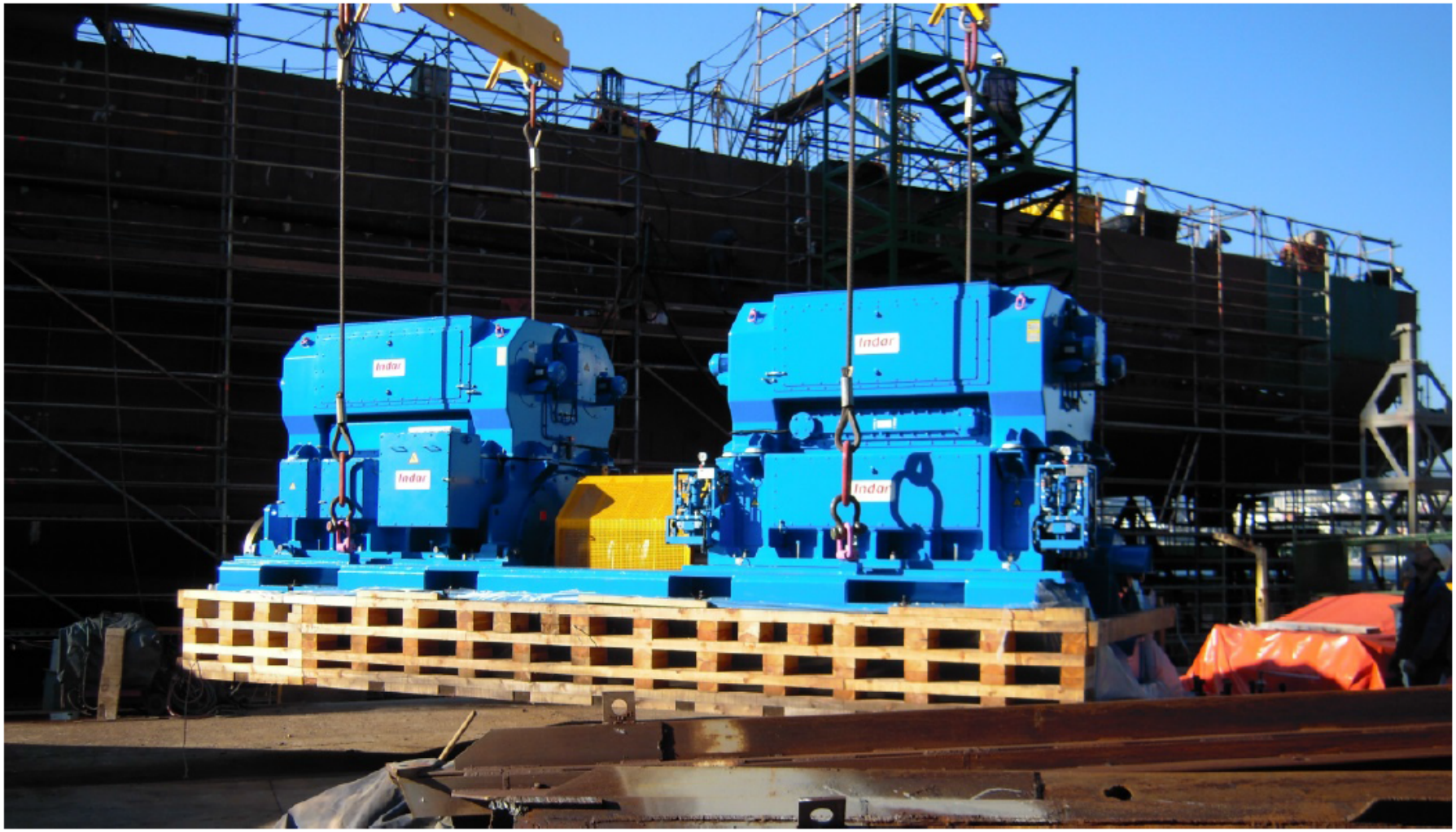


36 blocks placed and assembled on slipway by 30.09.15

Bow area has reached full hight - Anchors with chain on site.

BL 17 (stern) lower part assembled – full length of vessel now on slipway

AC motors prepared for on board installation - 01.10.15



”Kronprins Haakon”

”Kronprins Haakon”

The need for research in the Polar regions is increasing. With this vessel Norway will be in the forefront and be able to make important contributions to international climate research.

"Kronprins Haakon" will replace "Lance" and "Helmer Hansen", both of which are converted fishing vessels. The new vessel is designed to do research and will open new possibilities both for Norwegian and international scientific institutions. Tromsø will be the homeport of this new vessel, and the main users will be the Norwegian Polar Institute, the Institute of Marine Research and the University of Tromsø

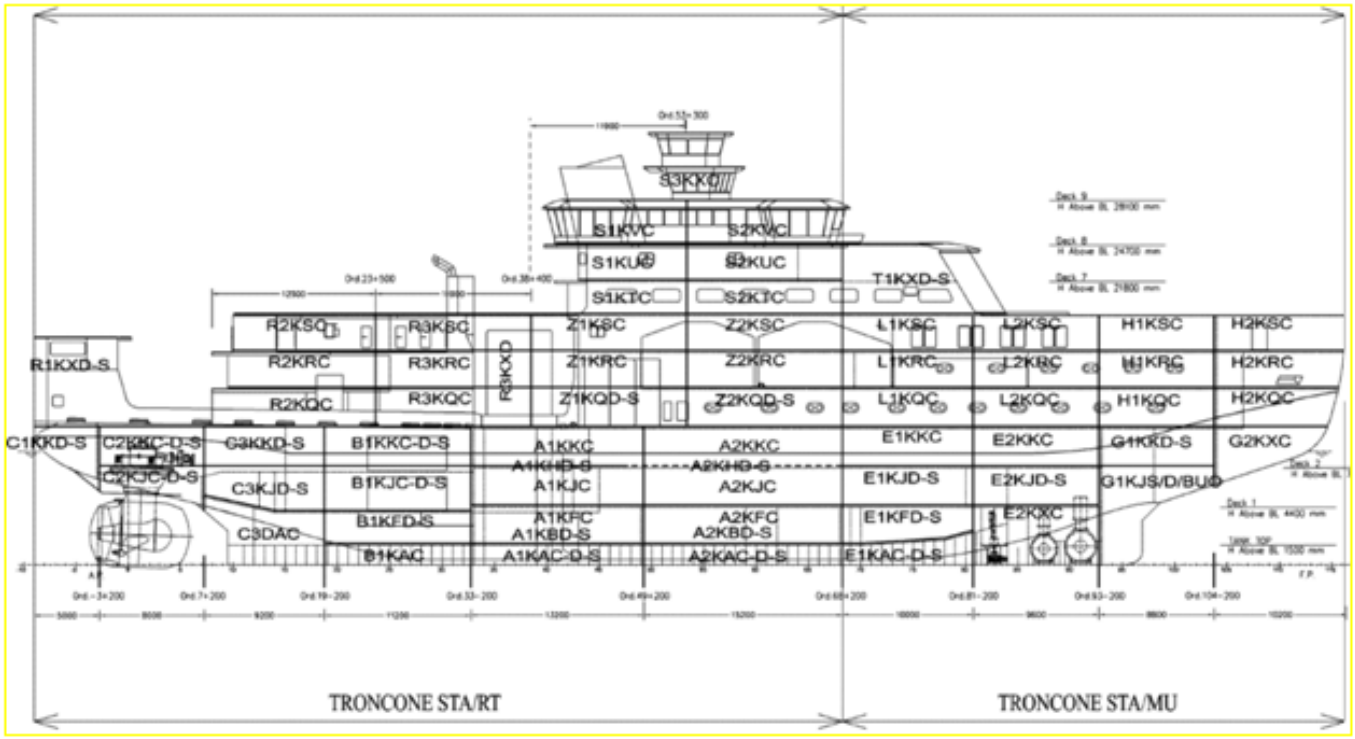
Facts

Length: 100 meters
Width: 21 meters
Price: 1,400,000,000 NKR
Completion: mid-2017

Design: Rolls Royce Marine, Norway
Yard: Fincantieri, Genova, Italy

Web site: http://www.imr.no/prosjektsiter/polarforskningsfartoy/nb-no

Steel cutting
Under construction
Block installation on on slipway
Blocks completed on slipway



C1KKD-S		C3DAC		A1KAC-D-S		A2KAC-D-S		E1KAC-D-S		G1KJS-D	
R1KXD-S		C3KJD-S		A1KBD-S		A2KBD-S		E1KFD-S		G1KKD-S	
C2KJC-D-S		C3KKSD-S		A1KFC		A2KFC		E1KJD-S		H1KQC	
C2KKC-D-S		R2KQC		A1KJC		A2KJC		E1KKC		H1KRC	
		R2KRC		A1KHD-S		A2KHD-S		L1KQC		H1KSC	
		R2KSC		A1KKC		A2KKC		L1KRC		G2KXC	
		B1KAC		Z1KQD-S		Z2KQD-S		L1KSC		H2KQC	
		B1KFD-S		Z1KRC		Z2KRC		T1KXD-S		H2KRC	
		B1KJC-D-S		Z1KSC		Z2KSC		E2KFC		H2KSC	
		B1KKC-D-S		S1KTC		S2KTC		E2KJD-S			

Keel laying ceremony for "Kronprins Haakon" at Fincantieri ship yard in Muggiano
Photo: Øystein Mikelborg/ Norsk Polarinstitutt

Keel laying ceremony for "Kronprins Haakon"

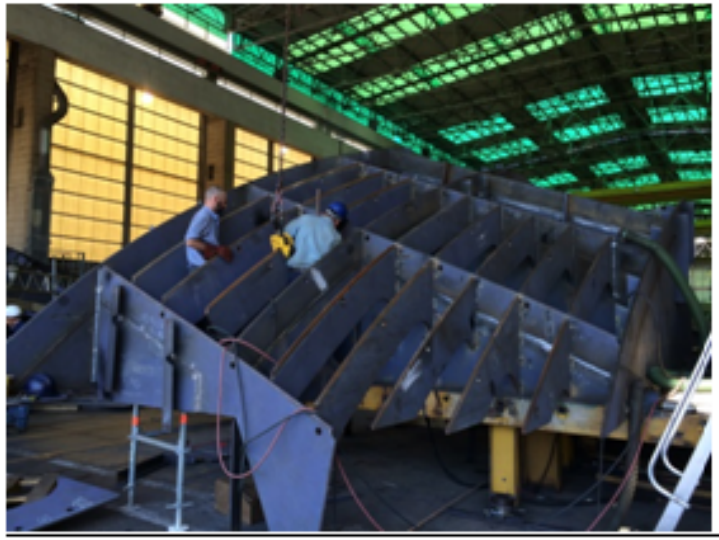
The research vessel "Kronprins Haakon" passed its second milestone on September 2 when the keel was laid during a ceremony at the Fincantieri shipyard in Muggiano.
Modern ships are no longer built from the keel up, but rather in modules which are assembled at a later stage, so the keel laying is now a more symbolic event when a certain amount of the steelwork is finished.

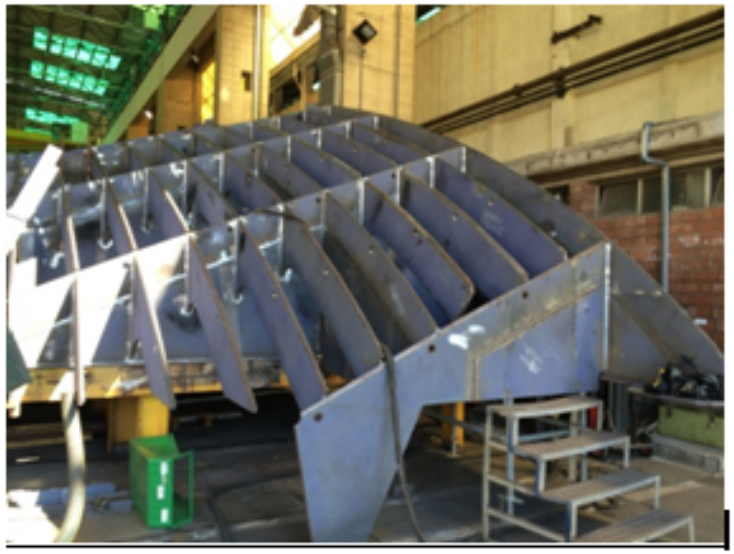
Øystein Mikelborg, 07.09.2015

During the ceremony, a brass plaque commemorating the occasion was mounted inside the keel by representatives from the Institute of Marine Research and the Norwegian Polar Institute. The vessel was according to Italian tradition also blessed by the Catholic Church.

"Kronprins Haakon" is now very visible in the shipyards both in Muggiano and Riva Trigoso where modules in varying degrees of completion occupies most production halls.

Pictures from Muggiano 26.08.2015





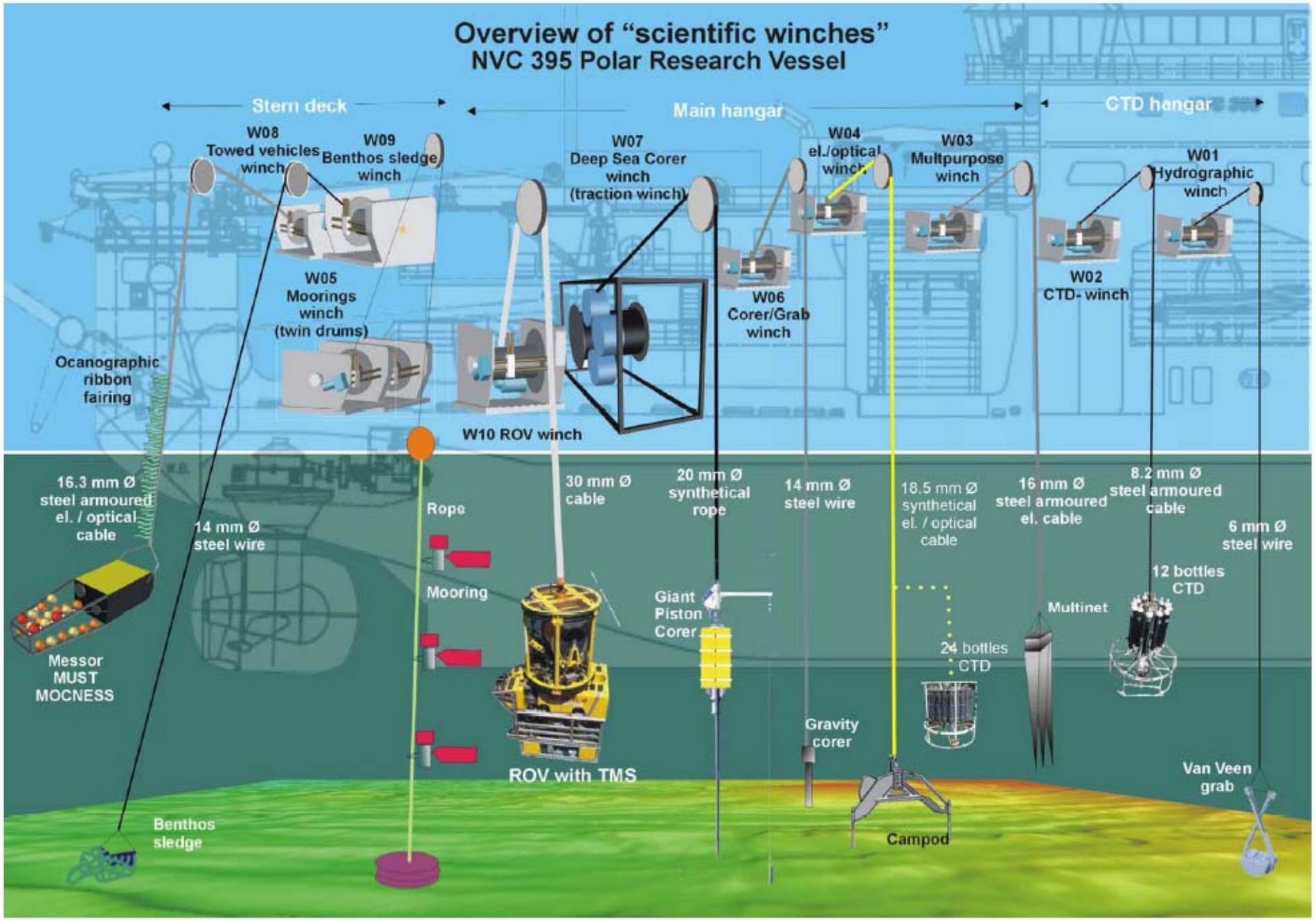


Figure A4.12: Overview of scientific winches

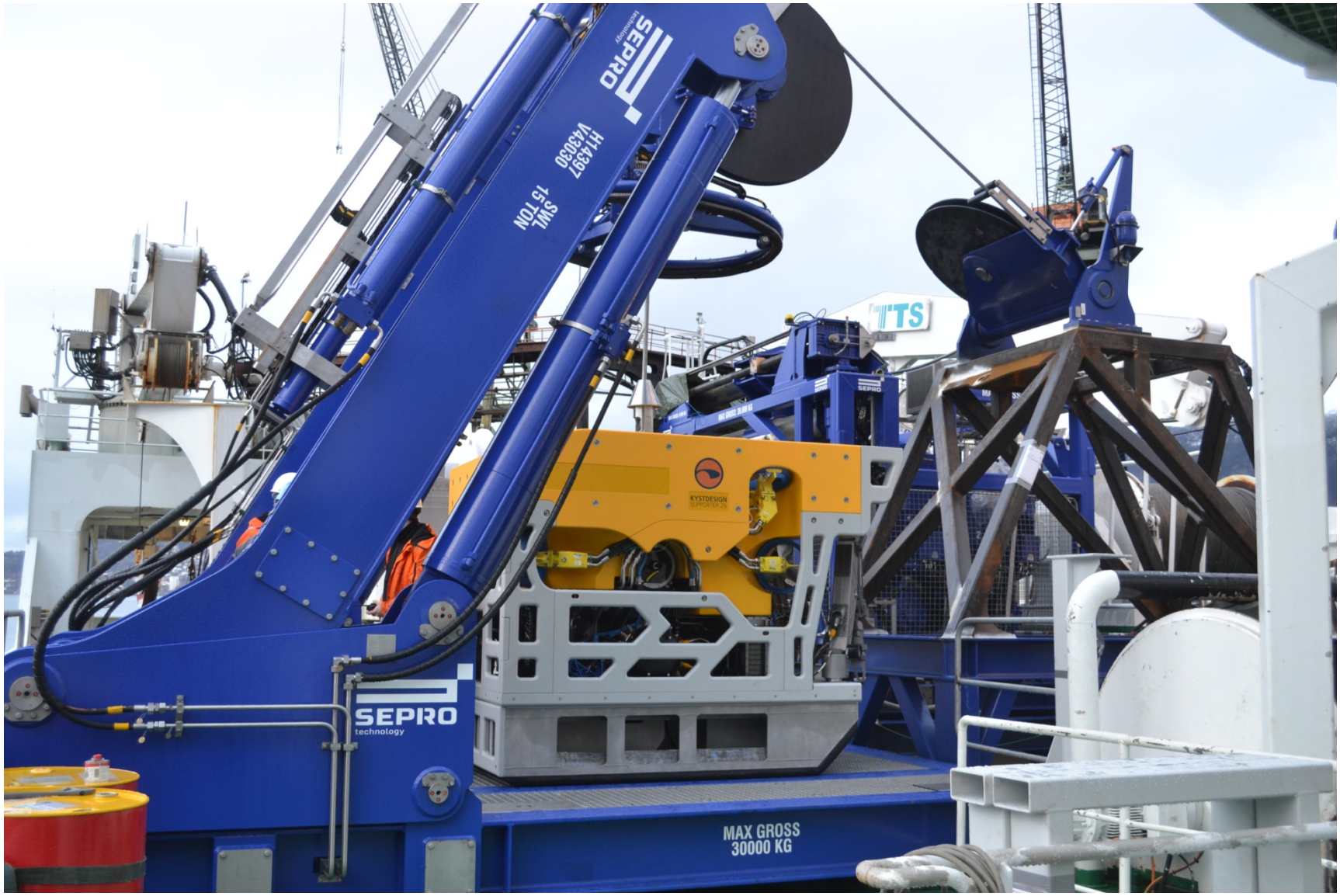
Normar ROV Ægir 6000

Norwegian Marine Robotics Facility

Installation on ”G.O. Sars”

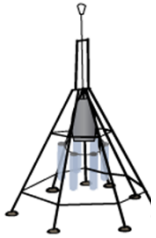
Power
Distribution
Unit

Installation on ”G.O. Sars”



Installation on ”G.O. Sars”

Installation on ”G.O. Sars”



Inmartech 2016

Announcement - Save the Date

INMARTECH 2016 Symposium
October 4-6, 2016
Grieghallen - Bergen, NORWAY

The 10th International Marine Technician, INMARTECH 2016, Symposium will be held at Grieghallen in Bergen, Norway on October 4-6, 2016.

INMARTECH symposia were initiated with the purpose of providing a forum for marine technicians to meet and exchange knowledge and experiences, thereby aiming to improve equipment performance, deployment, and operational techniques during scientific cruises on research vessels.

The Inmartech 2016 host is Institute of Marine Research (IMR), and the meeting venue is in city concert hall, Grieghallen, named after the composer Edvard Grieg (1843-1907). Information about IMR is available at www.imr.no .

The nearest airport, Flesland, is approx 25 minutes by bus from the city center and a number of hotel rooms are already reserved for the symposium. An "icebreaker" is planned for Monday evening, 3 October.

In the coming months additional information about the INMARTECH 2016 Symposium program, registration, and logistics will be provided.
A Symposium website is in development and the URL will be provided soon.

Your suggestions for technical session topics are welcome and can be sent to inmartech2016@imr.no .

We hope that you will join us for the INMARTECH 2016 Symposium!

Per Wilhelm Nieuwejaar
Director IMR Research Vessel Department
e-mail: pem@imr.no

Hilde Spjeld
Inmartech 2016 Project manager
e-mail: hildesp@imr.no

Inmartech agenda

Preliminary Session Topics for INMARTECH 2016

The 10th International Marine Technician Symposium - INMARTECH2016 - will be in Grieghallen in Bergen, Norway, on 4-6 October 2016.

Below is a list of some of the topics currently under consideration for this year's meeting:

Hydroacoustics

In situ observation systems

Autonomous and tethered vehicles

Instrumentation for vessels of opportunity

Seismics and coring

Data management

Ship - shore communication

Underwater radiated noise

Stock assessment instrumentation

A link for collection of abstracts will be included on this page later.

If you have any suggestions or ideas to be considered in developing this list of topics, please send them to: inmartech2016@imr.no.