

Dr. Fridtjof Nansen Replacement – Block construction

AG-460 – Hull build progress – Update by 22nd December 2015



Steel cutting

First steel cut: 13.01.2015



Under construction



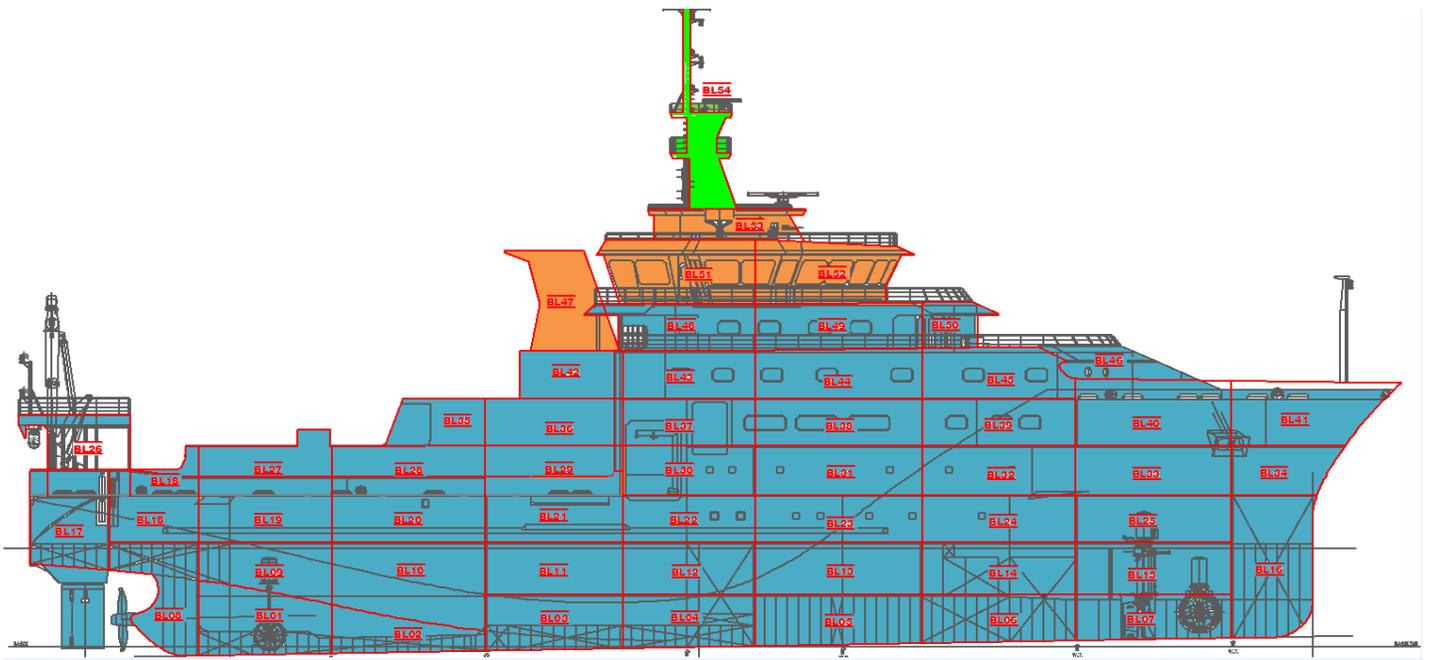
Blocks ready to place on slipway

Keel laying: 23.04.15



Blocks on slipway

Slipway launch scheduled 23.12.15



PLANNED BUILDING SEQUENCE OF BLOCKS– ref. Master plan Rev. 03

1	2	3	4	5	6	7	8	9	10
06 – 100%	05 – 100%	07 – 100%	14 – 100%	15 – 100%	04 – 100%	13 – 100%	03 – 100%	16 – 100%	12 – 100%
11	12	13	14	15	16	17	18	19	20
25 – 100%	02 – 100%	11 – 100%	01 – 100%	10 – 100%	09 – 100%	24 – 100%	08 – 100%	23 – 100%	22 – 100%
21	22	23	24	25	26	27	28	29	30
21 – 100%	20 – 100%	19 – 100%	18 – 100%	32 – 100%	17 – 100%	31 – 100%	33 – 100%	30 – 80%	34 – 100%
31	32	33	34	35	36	37	38	39	40
39 – 100%	38 – 100%	40 – 100%	37 – 100%	41 – 100%	29 – 100%	28 – 100%	36 – 100%	27 – 100%	26 – 100%
41	42	43	44	45	46	47	48	49	50
35 – 100%	44 – 100%	43 – 100%	42 – 90%	45 – 100%	46 – 100%	47 – 80%	49 – 100%	48 – 100%	50 – 100%
51	52	53	54						
51 – 80%	52 – 80%	53 – 80%	54 – 75%						

NOTE! Blocks are defined as **80%** completed when ready to put on board - **100%** when positioned on board.

General comments:

- Vessel ready for launch from slipway for the 23rd. December (wind conditions permitting)
 - 49 Blocks assembled, all underwater hull equipment (excl. EM 302 & SBP 600 transducers) installed, shipsides and hull fully painted.
- Progress – ref. master plan (MP) – rev 03, dated 01. July
 - Slipway assembly and outfitting work is 4-5 weeks behind presented dates in MP 03.
 - Revised Master Plan rev. 4, issued by yard today.
 - No activity at yard during period 24th December to 4th January.
- Main outfitting work during last period:
 - Propeller with shaft, rudder and drop keels installed.
 - Sandblasting, metalizing and painting of ships sides and hull completed.
 - Tanks & Piping:
 - All bottom tanks pressure tested - Installation of all bottom tank piping (zone 400) completed - engine room and below t/d areas (zone 400) 75% fabricated and 25% installed.
 - Cable trays and penetrations status: Engine area/below Tw Dk. 85% - Tween dk. 45% - Main dk: 15%
 - Insulation work (pinning) and floating floor installation started on Tw.dk.

New D.F Nansen ready for launch





BL 51-52-53 Wheelhouse and top bridge ready on berth— to be installed after launch



Dk 3 – Ops center and scientific office areas seen from fwd.



Dk 3 – Lounge area seen from aft.



Propeller and rudder installed medio December





Drop keels filled with concrete (ballast) prior to installation



Sonars, SU 93 & SH 90, installed



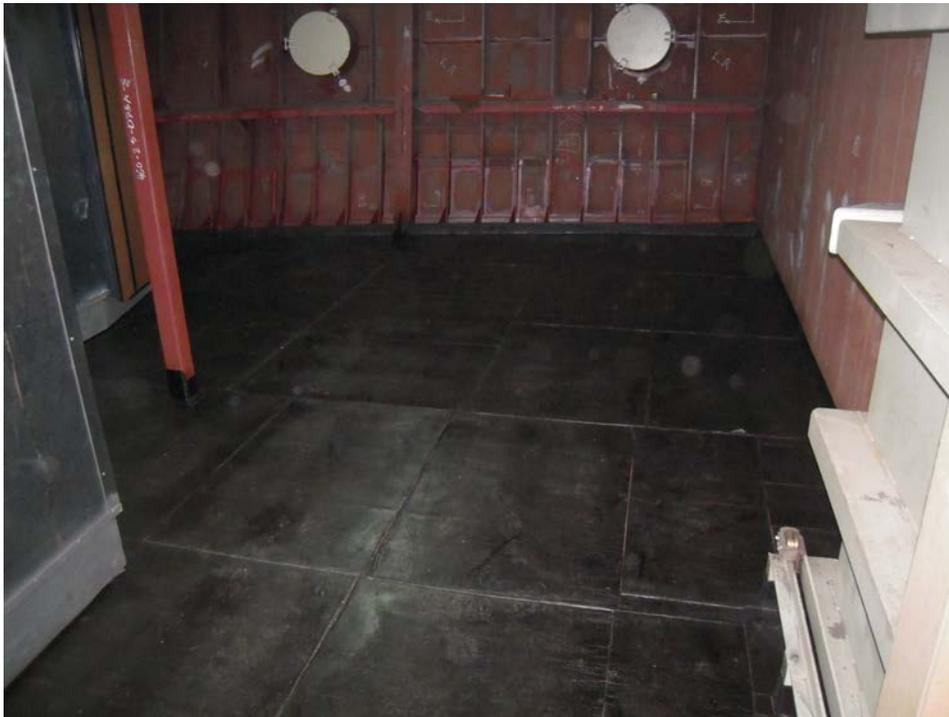
Hatch from Lab 26 to drop keel trunk



Trunk with Propeller inspection window and "box" for camera w/light



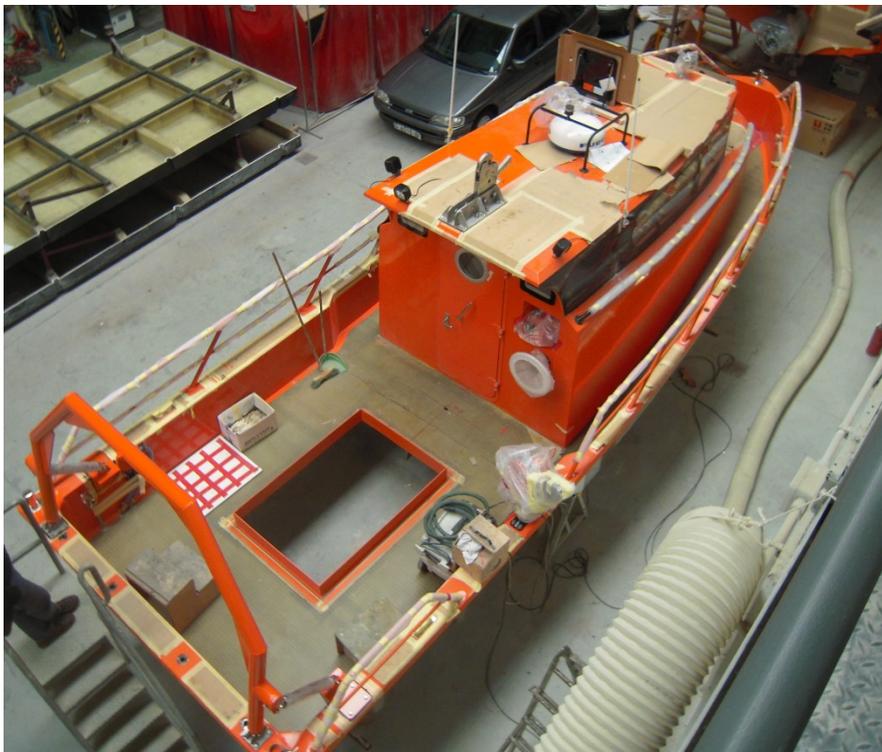
Tween dk: nsulation and floating floor installation started



Work boat - progressing



Work boat



Main machinery components installed



Cockpit w/manoeuvre position

