

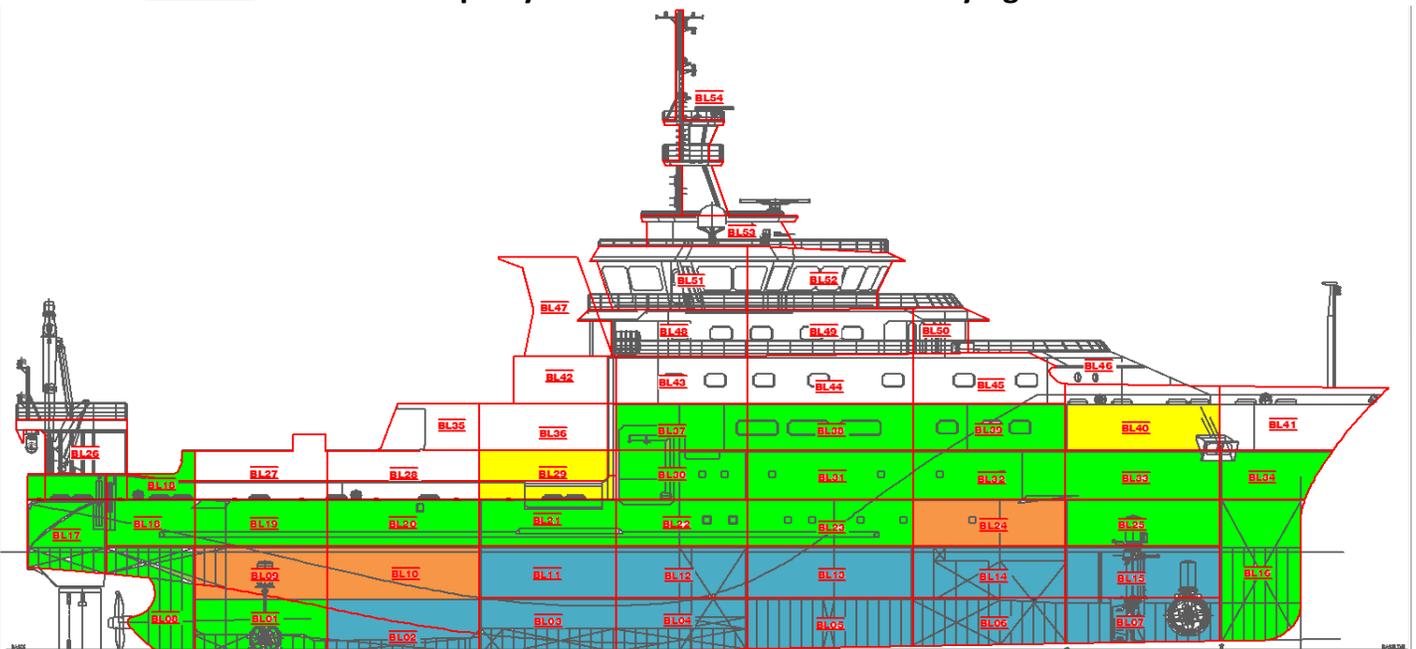
Dr. Fridtjof Nansen Replacement – Block construction

AG-460 – Hull build progress – Status by 18th June 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



PLANNED BUILDING SEQUENCE OF BLOCKS– ref. Master plan Rev. 02

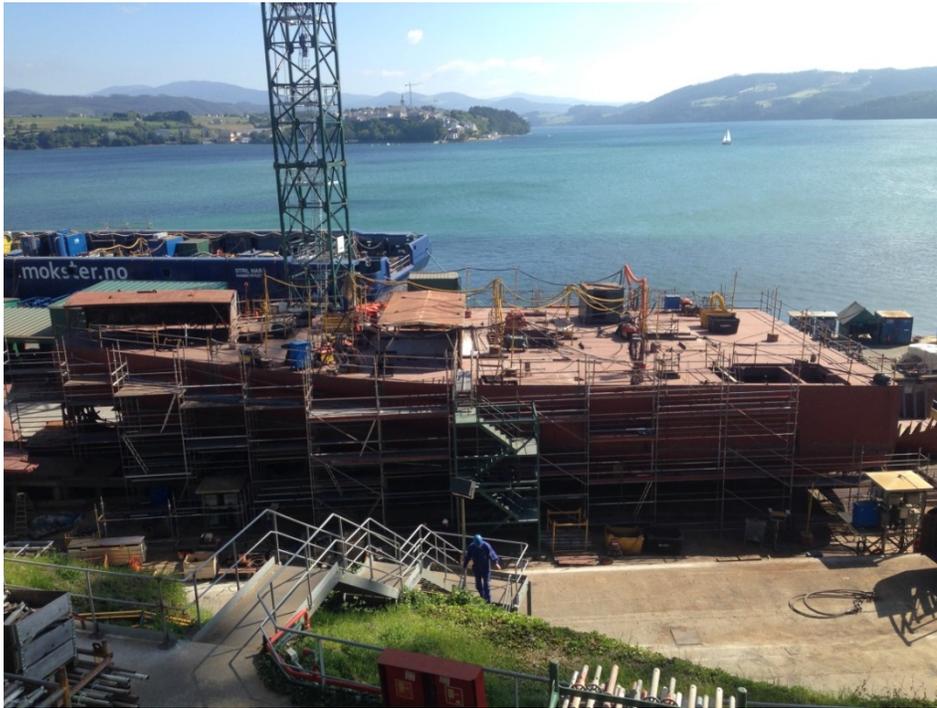
1	2	3	4	5	6	7	8	9	10
06 – 100%	05 – 100%	07 – 100%	14 – 100%	15 – 100%	04 – 100%	13 – 100%	03 – 100%	16 – 75%	12 – 100%
11	12	13	14	15	16	17	18	19	20
25 - 25%	02 – 100%	11 – 100%	01 - 40%	10 – 80%	09 – 80%	24 - 80%	08 - 60%	23 - 50%	22 - 45%
21	22	23	24	25	26	27	28	29	30
21 – 15%	20 – 15%	19 – 15%	18 -15%	32 – 15%	17– 15%	31 – 15%	33 – 15%	30 – 15%	34 – 20%
31	32	33	34	35	36	37	38	39	40
39 – 15%	38 – 15%	40 – 100%	37 – 15%	41	29 – 100%	28	36	27	26
41	42	43	44	45	46	47	48	49	50
35	44	43	42	45	46	47	49	48	50
51	52	53	54						
51	52	53	54						

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

General comments:

- Progress – ref. master plan (MP) – rev 02
 - Lofting and production documentation delivery is according to plan and the good quality of steelwork continues.
 - Block fabrication and slipway assembly are in average 3 weeks behind presented plan.
 - Due to delay in delivery of Gen. sets, (4-weeks), AC - motor (2-3 weeks), building sequence for block fabrication are slightly changed.
 - Prefab and installation of bottom tank piping in blocks 04, 05, & 06 according to plan.
 - Sewage plant, purifiers, water maker, WT doors and are placed on board.
- MaK Gen set delivery:
 - Re-test of generator sets with the modified (stiffened) upper bed frame was postponed, now scheduled for 24th June. Based on calculations TSI/MAK is optimistic that the frame modification will solve the resonance problem. Subject successful tests the 24th, Gen sets is expected on site mid-July.
- FAT's: Propulsion motors scheduled for 29th & 30th of June. Switchboard and PMS week 28.
- 14-17 June Einar Strønen & Ch. Eng Ove Molvik on site for project update - Bridge equipm. review meeting held with yard.

11 pcs. of blocks placed and assembled on slipway



Slipway assembly. BL 03/11 with door and hatch from propulsion room to engine room



BL 10 & 9 ready to go on slipway



Engine room w/recess for Gen. set location



Propeller shaft slewe - part of BL 08



Stern thruster installed in BL 01



Sewage treatment plant ready to go on board.



Sewage treatment plant placed on board - well covered



Water maker ready to go on board



Gen set no 3 – MaK 9M20 ready for factory test in Kiel - Germany

