

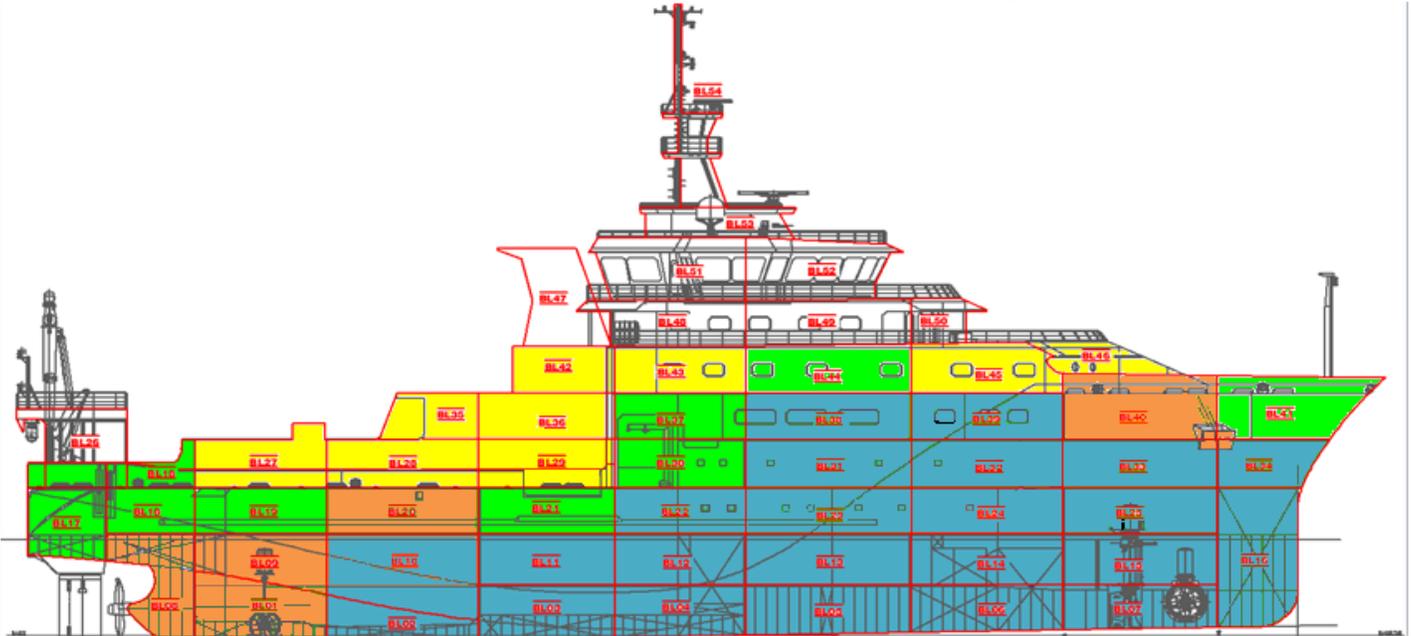
Dr. Fridtjof Nansen Replacement – Block construction

AG-460 – Hull build progress – Status by 30th July 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 – 100%	12 – 100%
11	12	13	14	15	16	17	18	19	20
25 - 100%	02 – 100%	11 – 100%	01 - 80%	10 – 100%	09 – 80%	24 - 100%	08 - 80%	23 - 100%	22 - 100%
21	22	23	24	25	26	27	28	29	30
21 – 70%	20 – 80%	19 – 40%	18 - 60%	32 – 15%	17 – 20%	31 – 100%	33 – 100%	30 – 30%	34 – 100%
31	32	33	34	35	36	37	38	39	40
39 – 100%	38 – 100%	40 – 80%	37 – 20%	41 – 50%	29 – 100%	28 – 100%	36 – 100%	27 – 100%	26
41	42	43	44	45	46	47	48	49	50
35 – 100%	44 – 25%	43 – 100%	42 – 100%	45 – 100%	46 – 100%	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.

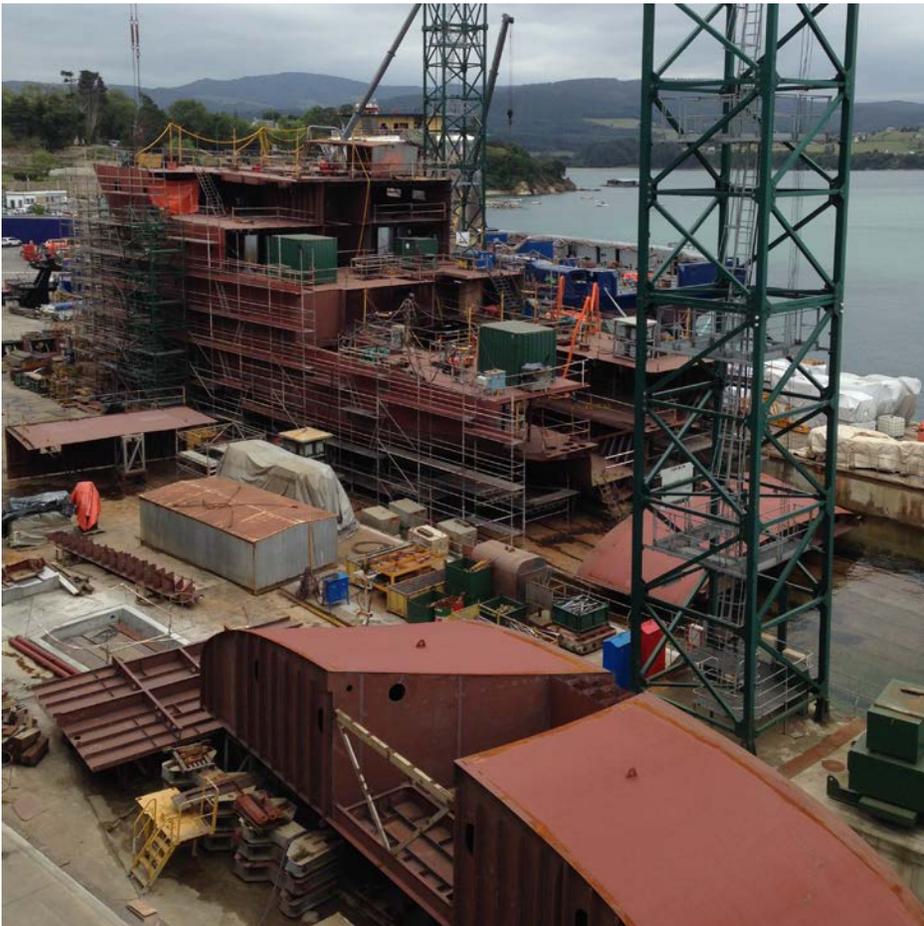
General comments:

- Progress – ref. master plan (MP) – rev 03, dated 01. July:
MP rev. 03 has changes in block fabrication sequence and revised block completion dates (adjustment of delays) vs. MP 02. Main milestones (launching date etc.) kept as in MP 02.
 - Block assembly on slipway is approx. 1 week behind presented dates in MP 03. BL 01-09&08 – 3-4 weeks fall back from MP 03 plan.
 - To speed up hull production progress, Blocks 17, 27, 35 & 32 will be fabricated at a subdivision workshop in Aviles/Oviedo. These workshops was inspected week 31 - facilities and quality of work looks good.
 - Installation of bottom tank piping in blocks 02-16 ongoing. Pressure testing of tanks has started.
- Equipment deliveries:
 - All major maritime equipment are now on site.
 - MaK Gen. sets arrived 7-9/7. AC propulsion motors 20/7 – Stored on quay side, awaiting foundation completion.
- FAT's: RAPP winches and related equipment scheduled for last week of August – in Serbia.
- No fabrication or production activity will take place on AG 460 during the vacation period (August 3rd-31st) however the technical dep. will be manned and have some activity for our vessel.

23 blocks placed and assembled on slipway by 30.07.15



Slipway 30.07.15



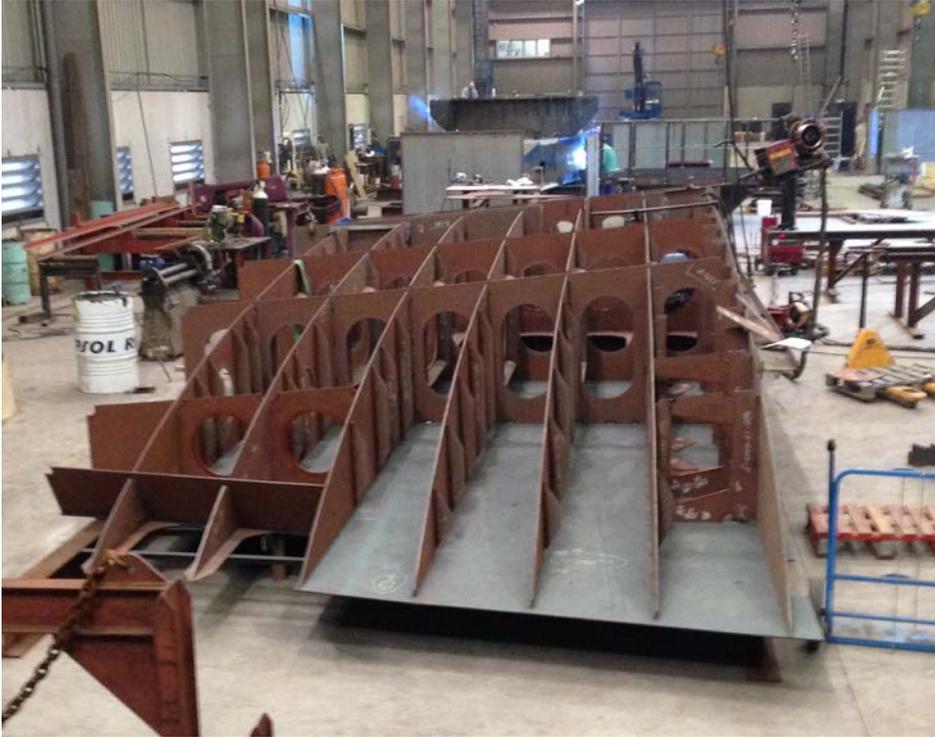
Slipway 30.07.15



BL 01 and 08 ready for sandblasting



BL 17 under construction at subdivision workshop in Oviedo



1st dk - Messrom area w/door to galley.



Propulsion room



Mak 9L20 Generator set arrived July 7th



Propulsion motors arrived 20.07 (67 tons)



Assembly of Azimuth thruster El. motor



Water mist plant installed in Bow thruster room

