

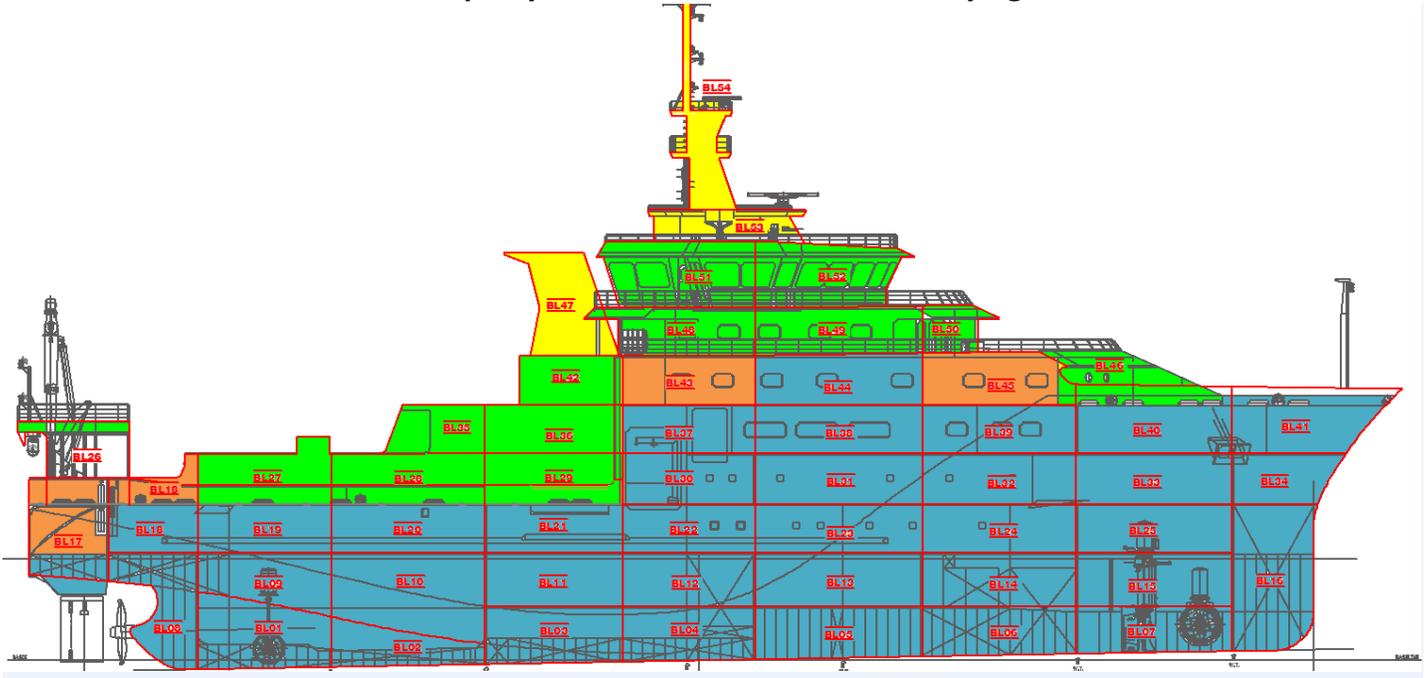
# Dr. Fridtjof Nansen Replacement – Block construction

AG-460 – Hull build progress – Update by 30<sup>th</sup> 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



## 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 – 80%	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 – 70%	28 – 60%	36 – 70%	27 – 30%	26 – 30%
41	42	43	44	45	46	47	48	49	50
35 – 30%	44 – 100%	43 – 80%	42 – 30%	45 – 80%	46 – 50%	47 – 100%	49 – 75%	48 – 70%	50 – 70%
51	52	53	54						
51 - 25%	52 - 25%	53 - 100%	54 - 100%						

**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:
  - AC motor installation and blocks in stern (BL 17&18) 4 weeks behind presented dates in MP 03.
  - Blocks in mid and fore-ship 1-2 weeks behind. Despite fall back - yard is still optimistic for launch on 25<sup>th</sup> Nov.
  - To compensate for delay: working hours on slipway assembly is extended to 10hrs/day, 5 days/week,
    - All aluminum blocks now subcontracted to AISTER located in Vigo, where facilities was Inspected on Sept. 30<sup>th</sup>. Facilities looks good, some minor comments given to grinding etc, but quality of work is overall good.
  - 55% of Isometrics in zone 400 (Dbl. bottom, tk top & engine areas) installed
  - Pressure testing of tanks according to plan – 22 tanks tested by 30th sept.
  - The on board outfitting - foundation work and mounting of equipment ongoing and according to plan.
- Progress meeting 21-23. Sept. – Main topics discussed: Progress, Noise & Vibration, LAN network, Bridge lay out, & Deck arr.
  - Status of all TSI analyses and FAT tests presented - Looks good with some margins in most areas.
- 25. Sept. fire incident in engine room, caused by ignition from welding/burning. Damage to 2 pcs HVAC Chiller units and some steel deformation. Chiller units taken out, has to be replaced - delivery time/impact not yet clarified.
- RAPP winches and related equipment scheduled for October 15<sup>th</sup>.

**36 blocks placed and assembled on slipway by 30.09.15**



**Slipway 30.09 BL 44 (2<sup>nd</sup> dk) installed – (2 more decks to come on top of this!)**



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



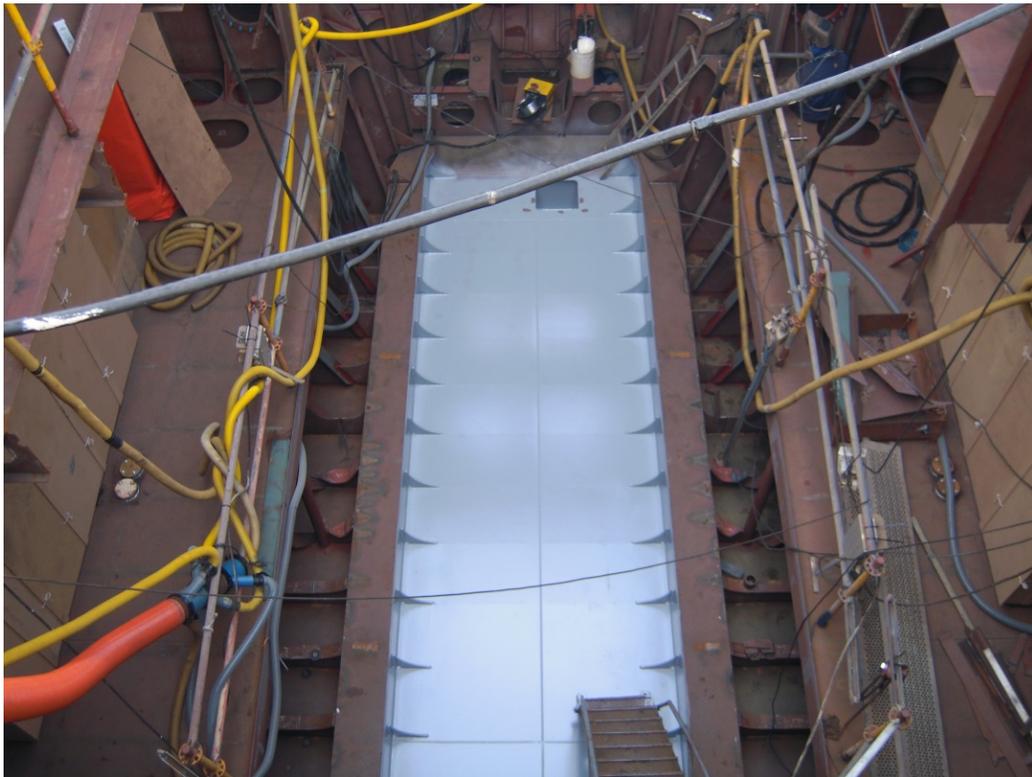
**Bow area has reached full height - Anchors with chain on site.**



**Slipway 30.09**



**Propulsion room – foundations completed - AC motors ready for installation**



AC motors prepared for on board installation - 01.10.15



Wardrobe area - Main Dk



**CTD hangar**



**3<sup>rd</sup> deck – Ops. Center, scientific areas, lounge area etc. - under construction at AISTER in Vigo- 30.09**



**Steel casing in middle is due to fire regulation**

**3<sup>rd</sup> deck front**



**Workboat under construction at AG's GRP facilities 29.09.15**



**Damaged HVAC chiller units on way out**



**Replacement of damaged steel bulkhead, due to fire incident**

