

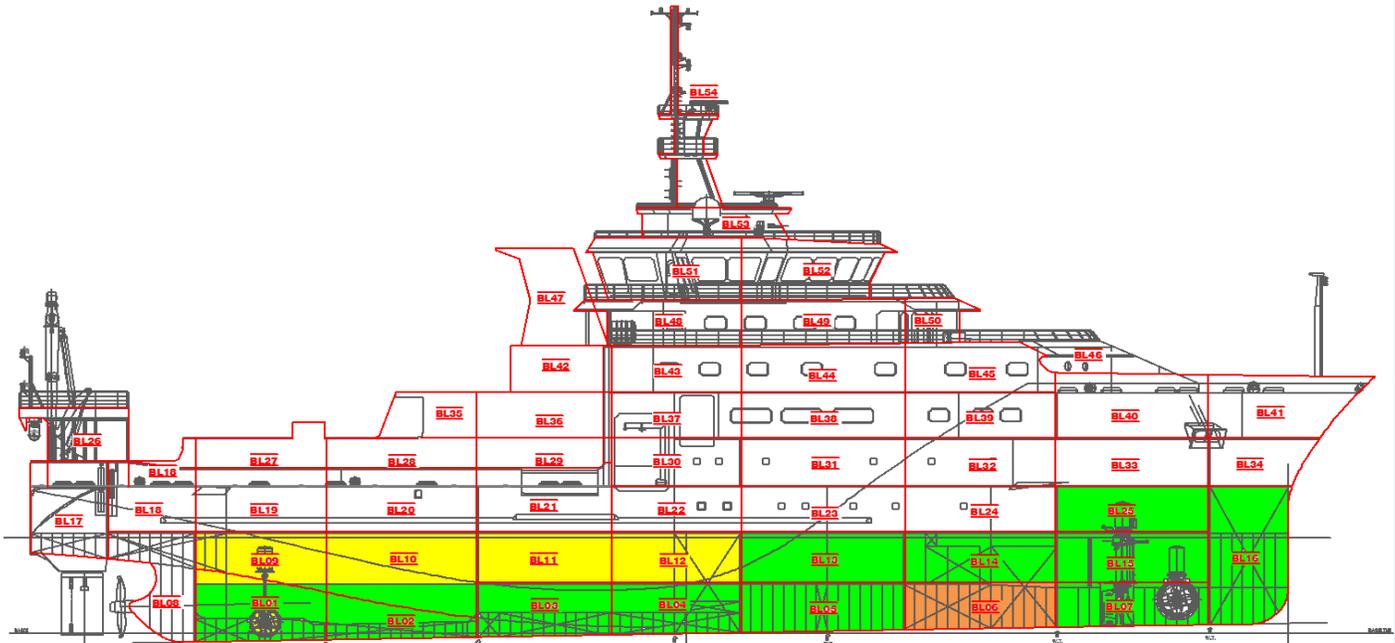
# Dr. Fridtjof Nansen Replacement – Block construction

AG-460 – Hull build progress – Status by 26<sup>th</sup> March 2015

- Steel cutting
- Under construction
- Blocks ready to place on slipway
- Blocks on slipway

First steel cut: 13.01.2015

Keel Laying:



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

|          |          |           |          |          |          |          |          |          |           |
|----------|----------|-----------|----------|----------|----------|----------|----------|----------|-----------|
| 1        | 2        | 3         | 4        | 5        | 6        | 7        | 8        | 9        | 10        |
| 06 – 80% | 05 – 65% | 07 – 40%  | 14 – 60% | 15 – 30% | 04 – 30% | 13 – 15% | 03 – 15% | 16 – 30% | 12 – 100% |
| 11       | 12       | 13        | 14       | 15       | 16       | 17       | 18       | 19       | 20        |
| 25 - 15% | 02 – 15% | 11 – 100% | 01 - 15% | 10 – 50% | 09 – 50% | 24       | 08       | 23       | 22        |
| 21       | 22       | 23        | 24       | 25       | 26       | 27       | 28       | 29       | 30        |
| 21       | 20       | 19        | 18       | 32       | 17       | 31       | 33       | 30       | 34        |
| 31       | 32       | 33        | 34       | 35       | 36       | 37       | 38       | 39       | 40        |
| 39       | 38       | 40        | 37       | 41       | 29       | 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.

## General comments:

- 24.03 construction & welding check out of BL06 – Generally good quality. Some punch items reported and the expected IMR quality standard set and agreed.
- Progress:
  - Lofting and production documentation delivery is according to schedule.
  - Block fabrication 1-2 weeks behind schedule – ref. master plan – rev 02.
  - Steel workforce on DFN units not optimal, workforce priority this period seems to set to the launch of AG-461 for April 18th.
  - Limited activity during week 14 (easter). Only sandblasting & painting on AG-461 will be performed.
- Propeller cavitation test took place in Trondheim week 13 – preliminary reports indicates good results.
- Factory Acceptance tests (FAT) for MAK Gen sets planned for week 16-17-18
- Detailed engineering details for all areas ongoing.

**BL 06 Lift out from workshop – weight 39,9 tons (BL14 below)**



**BL 06 Lifting to storage area – 39,9 tons**



**BL 06 Shell plate buckling - control and rectification**



**BL 05 Drop Keel, EM & SBP cut outs**



BL 07 w/bow tunnel



BL 04



**BL 15**



**BL 16 - underwater bow area**



BL 14 FW tk. 300P and Sonar room



Paint arrived on site

