

# "NORTH SEA GIANT"

MULTIPURPOSE OFFSHORE CONSTRUCTION VESSEL

offshore  
support journal  
awards 2012  
Support Vessel of the Year winner

Support Vessel of the Year



## PRINCIPAL PARTICULARS

Length over all .....	153,60 m.
Length between p.p. ....	144,06 m.
Breadth moulded .....	30,00 m.
Depth main deck .....	10,70 m.
Depth tween deck .....	7,70 m.
Max. draft .....	7,00 m.
Gross tonnage .....	18.151
Installed power .....	22 MW

## CAPACITIES

Deck Area .....	2.900 m <sup>2</sup>
Fuel-Oil .....	2.000 m <sup>3</sup>
Fresh Water .....	1.000 m <sup>3</sup>
Ballast Water .....	8.000 m <sup>3</sup>

## CLASS

Det Norske veritas + 1A1, HELIDECK, DYMPOS, AUTRO, EO, DK, (+), CLEAN, COMF (V-3), NAUT-OSV, CLEAN DESIGN

## ACCOMMODATION

Total number of crew ..... 120 persons

## EQUIPMENT FOR CARGO

### MAIN CRANE

Make: *Hydramarine*

(1) Max. lifting capacity ..... 400 T.  
(1) Max. lifting capacity ..... 50 T.

### PROVISION CRANE

Make: *TTS* - Type ..... GP-80-2-15  
Max. lifting capacity ..... 2 T.

### MOON POOL HATCH

Designed by ..... *SP Consultores*  
Size ..... 7,20 x 7,20 m.  
With electro-hydraulic power pack. Make: *Neuwalme*

## DECK MACHINERY

ANCHOR MOORING WINCH (2) Electro-hydraulic  
Make: *Carral*

CAPSTAN (2) Electro-hydraulic  
Make: *Carral*

## MANOEUVRING SYSTEM

VOITH PROPELLERS (3)  
Make: *Voith Schneider* - Type ..... R & EC/280-2  
Power ..... 3.800 Kw.

VOITH FORWARDTHRUSTER (2)  
Make: *Voith Schneider* - Type ..... R & EC/280-2  
Power ..... 3.800 Kw.

TUNNEL THRUSTER (1)  
Make: *Rolls-Royce* - Type ..... TT-2800  
Power ..... 2.000 Kw.  
Propeller diam. .... 2.800 mm.

## DYNAMIC POSITIONING SYSTEM (DP3)

Make: *Kongsberg Maritime* - Type ..... DPC21

## DIESEL ELECTRIC PROPULSION SYSTEMS

ENGINES (6)  
Make: *General Electric*  
Power ..... 3.630 Kw at 900 r.p.m.

GENERATOR (6)  
Make: *Leroy Somer* ..... LSA 58 55/8p  
Power ..... 4.375 Kva. at 900 r.p.m. 690V/60Hz.

## HARBOUR/EMERGENCY GENERATOR

ENGINE  
Make: *Caterpillar* - Type ..... C 18 TA  
Power ..... 580 KW. at 1.800 r.p.m.

GENERATOR  
Make: *Stanford* - Type ..... 634C  
Power ..... 690V/60Hz ..... 800 Kva.

## MACHINERY SYSTEMS

PUMPS  
Make: *Allweiler AG/Azcue*

BILGE WATER SEPARATOR  
Make: *Marinfloc* - Type ..... CD-2 m<sup>3</sup>

STARTING AIR COMPRESSOR (2)  
Make: *Sperre* - Type ..... HL2/160

SERVICE AIR COMPRESSOR (2)  
Make: *Tamrotor* - Type ..... TMC-65  
Capacity ..... 9,60 m<sup>3</sup>

LUB-OIL SEPARATOR (3)  
Make: *Alfa Laval* - Type ..... PU-150

FUEL OIL SEPARATOR (3)  
Make: *Alfa Laval* - Type ..... PU-150

FRESH WATER GENERATORS (2)  
Make: *Alfa Laval* - Model ..... Aqua 100  
Capacity ..... 25T/day each

INCINERATOR (1)  
Make: *Detegasa* - Type ..... DELTA IRL-65  
Capacity ..... 650.000 Kcal/h

ANTI-HELLING SYSTEM (1)  
Make: *Framo* - Type ..... RBP 300  
Flow ..... 1.000 m<sup>3</sup>/h

TANK SOUNDING SYSTEM  
Make: *Ariston-Norway*

## SHIP'S SYSTEM

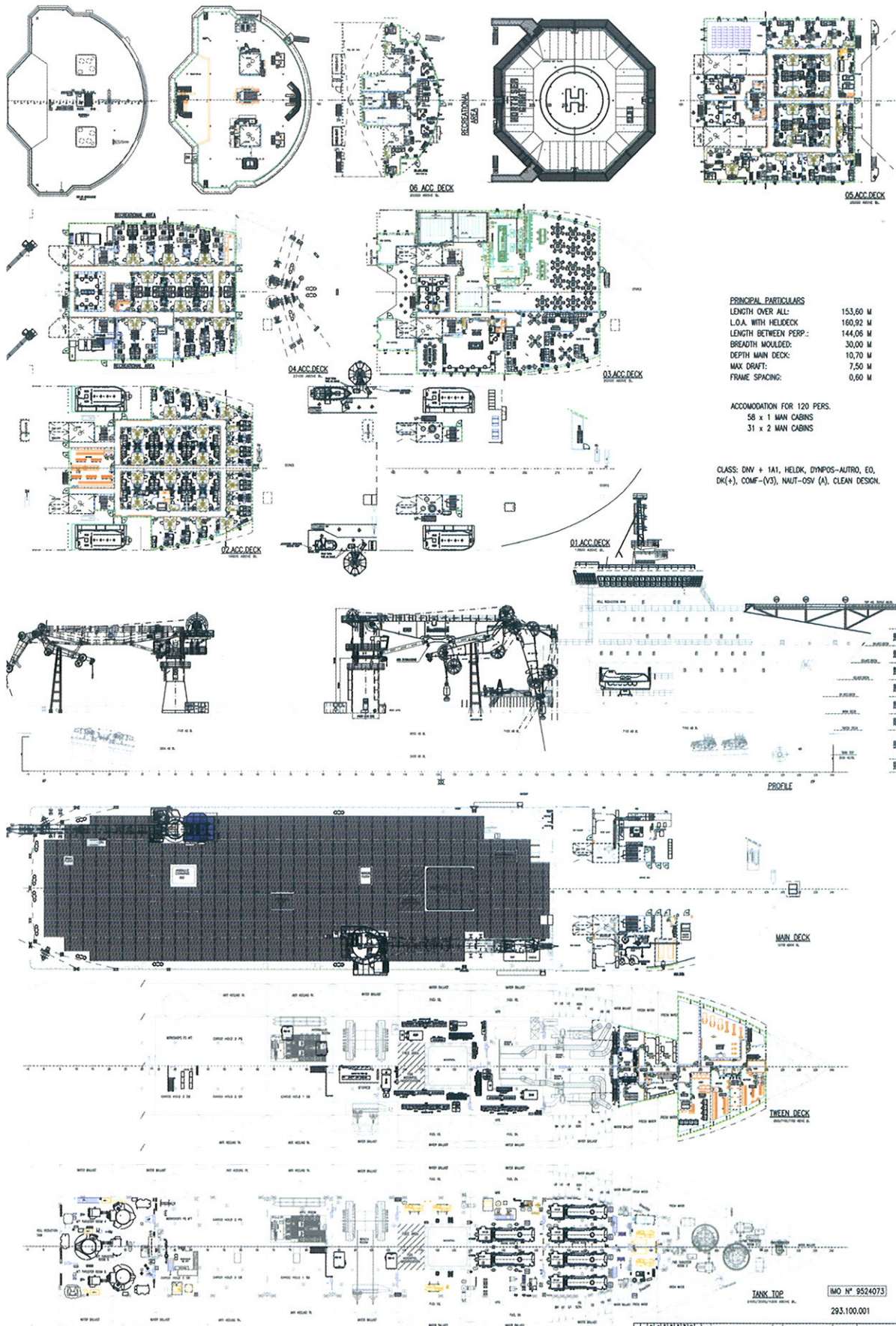
Automation system ..... *Wartsila Automation*  
Electric installation company ..... *Isolux*  
Ventilation/Air conditioning system ..... *Novenco*  
Accommodation ..... *Regenasa*



**MetalSHIPS**  
& DOCKS, S.A.U.

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PRINCIPAL PARTICULARS

LENGTH OVER ALL:	153,60 M
L.O.A. WITH HELIDECK:	160,92 M
LENGTH BETWEEN PERP.:	144,06 M
BREADTH MOULDED:	30,00 M
DEPTH MAIN DECK:	10,70 M
MAX DRAFT:	7,50 M
FRAME SPACING:	0,60 M

ACCOMMODATION FOR 120 PERS.

58 x 1 MAN CABINS
31 x 2 MAN CABINS

CLASS: DNV + 1A1, HELDK, DYNPOS-AUTRO, EO, DK(+), COMF-(V3), NAUT-OSV (A), CLEAN DESIGN.

IMO N° 9524073  
293.100.001

GENERAL INFORMATION		REVISIONS	
NO.	DESCRIPTION	DATE	BY
1	GENERAL ARRANGEMENT	1-200	11.09.02
2	SAW 2023		
3	MULTIPURPOSE OFFSHORE VESSEL		
Project no.: S387/07-085		Drawing no.: D531	
Scale: 1:1		Sheet: R/AS9	