

# "NORTH OCEAN 102"

CONSTRUCTION UMBILICAL VESSEL



## PRINCIPAL PARTICULARS

Length over all.....	133,60 m.
Length between p.p.....	120,40 m.
Breadth moulded.....	27,00 m.
Depth main deck.....	9,70 m.
Depth tween deck.....	6,20 m.
Max. Draft.....	6,50 m.
Gross tonnage.....	7.000

## CAPACITIES

Deck Area.....	2.000 m <sup>2</sup>
Fuel-Oil.....	1.200 m <sup>3</sup>
Fresh Water.....	1.000 m <sup>3</sup>
Ballast Water.....	4.000 m <sup>3</sup>

## CLASS

Det Norske veritas+1A1, HELIDECK,DYNPOS-AUTR, EO, DK, (+), EO, CLEAN, CONF(V3) NAUT-OSV

## ACCOMMODATION

Total number of crew.....199 persons

## EQUIPMENT FOR CARGO

<b>MAIN CRANE (2)</b> Make: Hydramarine Max. Lifting capacity.....	100 T. AT 15.- mts.
<b>AUXILIARY CRANE (2)</b> Make: TTS Type..... Max. Lifting capacity.....	GP-80-2-12 12 T.
<b>MOON POOL HATCH</b> Size.....	7,20 x 7,20 m.

## DECK MACHINERY

Anchor Mooring Winch (2) Electro-hydraulic Make.....	Carral
Capstan (2) Electro-Hydraulic Make.....	Carral

## MANOEUVRING SYSTEM

<b>AZIMUTH THRUSTER (2)</b> Make: Rolls-Royce-type..... Power.....	AZP-120 3.500 Kw.
<b>TUNNEL THRUSTER (2)</b> Make: Rolls-Royce-Type..... Power.....	TT-2400 1.500 Kw.

<b>SWING-UP THRUSTER (1)</b> Make: Rolls-Royce-Type..... Power.....	TCNS 92/62 1.500 Kw.
---	-------------------------

## DYNAMIC POSITIONING SYSTEM

Make: Kongsberg Simrad-type.....DPC21

## DIESEL ELECTRIC PROPULSION SYSTEMS

<b>ENGINES (4)</b> Make: Wartsila-Type..... Power.....	9R32 3.300 Kw at 720 r.p.m.
<b>GENERATOR (4)</b> Make: Alconza-Type.....	NIR 7185A-10LW

## HARBOUR/EMERGENCY GENERATOR

<b>ENGINE</b> Make: Mitsubishi-type..... Power.....	S6R-MPTA 800 Kva.
<b>GENERATOR</b> Make: Stanford type..... Power: 690V/60Hz.....	634C 800 Kva.

## MACHINERY SYSTEMS

<b>PUMPS</b> Make.....	Azcue
<b>BILGE WATER SEPARATOR</b> Make: Detegasa-type.....	Delta Ows-2
<b>STARTING AIR COMPRESSOR (2)</b> Make: Sperre-type.....	HL2/105
<b>SERVICE AIR COMPRESSOR (1)</b> Make: Tamrotor-type..... Capacity.....	EMH 35-8 EANA 5,26 m <sup>3</sup>
<b>LUB-OIL SEPARATOR (2)</b> Make: Alfa Laval-Type.....	MMPX 404 SGP-11
<b>FUEL OIL SEPARATOR (2)</b> Make: Alfa Laval-Type.....	MMPX 404 SGP-11
<b>FRESH WATER GENERATORS (2)</b> Make: Aquamar-Model: 25/2-Cap: 25T/day each	
<b>INCINERATOR (1)</b> Make: Detegasa-Type..... Capacity.....	DELTA IRL-50 500.000 Kcal/h
<b>ANTI-HELLING SYSTEM (1)</b> Make: Framo-Type.....	RBP 300-Flow1.000 m <sup>2</sup> /h
<b>TANK SOUNDING SYSTEM</b> Make.....	Ariston-Norway

## SHIP'S SYSTEM

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

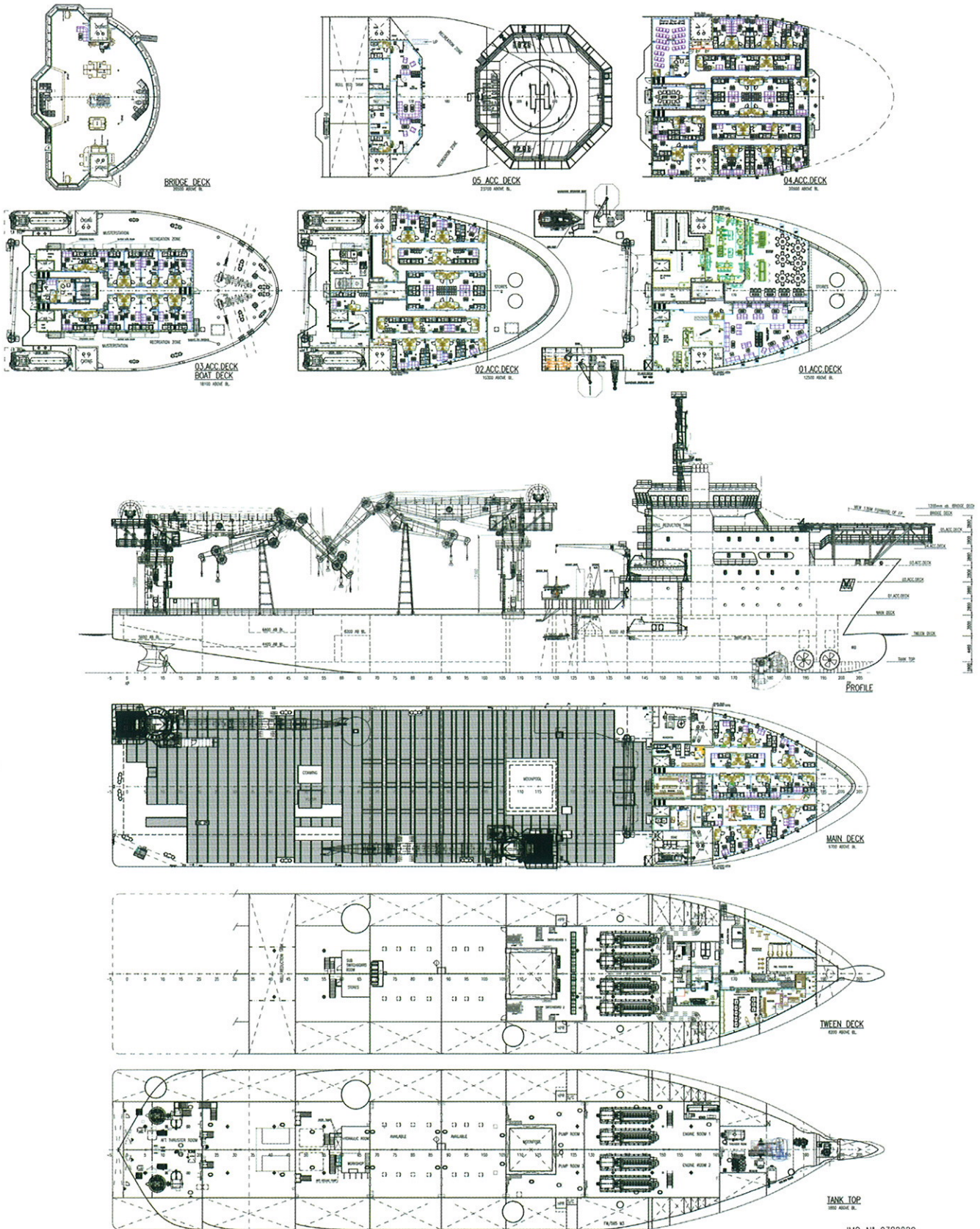


**MetalSHIPS**  
& DOCKS, S.A.U.



# "NORTH OCEAN 102"

CONSTRUCTION UMBILICAL VESSEL



PRINCIPAL PARTICULARS  
 LENGTH OVER ALL: 133,60 M  
 L.O.A. WITH HELIDECK & STINGER 137,50 M  
 LENGTH BETWEEN PERP.: 120,40 M  
 BREADTH MOULDED: 27,00 M  
 DEPTH MAIN DECK: 9,70 M  
 MAX DRAFT: 6,50 M  
 FRAME SPACING: 0,60 M  
 ACCOMMODATION FOR 199 PERS.  
 20 x 1 MAN CABINS  
 32 x 2 MAN CABINS  
 1 x 3 MAN CABINS  
 28 x 4 MAN CABINS

IMO N° 9382229  
 [286.101.002]



NO.	DESCRIPTION	DATE	BY	CHECKED	APPROVED
1	GENERAL ARRANGEMENT	1/200	AO	24.10.07	
SAW 2019		Project no. S336/07-138		Drawing no. D739	
UMBILICAL LAYING VESSEL		Scale: 1:100		Sheet: 1 of 1	