



BlueOOS



SEMI SUBMERSIBLE ACCOMODATION CRANE VESSEL



Blue GRETHA

OVERVIEW

Blue Gretha is a versatile semi-submersible accommodation crane vessel designed to support a wide range of offshore energy and infrastructure projects. Combining high-capacity accommodation with heavy-lifting capabilities, the vessel provides integrated solutions for offshore installation, modification, decommissioning, renewable energy projects and subsea installation and removal operations.

With a tandem lifting capacity of up to 3,600 tonnes, proven operational reliability and comprehensive offshore support facilities, Blue Gretha is equipped to handle complex lifting and installation operations in demanding offshore environments.

By integrating heavy-lifting capabilities with offshore accommodation and operational support services, Blue Gretha offers comprehensive, turnkey solutions for offshore projects worldwide.



SSACV HIGHLIGHTS

- Hotel capacity is 618 persons on board
- DP-3 with the highest DP standards
- Construction/crane vessel 2 x 1.800 t
- Platform removal and installation
- Excellent motion characteristics
- Low running costs of around 25% lower fuel consumption in DP and transit
- High transit speed of 11 kn



Blue GRETHA

SSACV SPECIFICATION



Blue GRETHA

GENERAL

Classification	: ABS
Notation	: A1 Column-Stabilized
Unit, Crane Service. Construction & Maintenance Service, UWILD Accommodation Service AMS ACCU DPS3 Circle M	
IMO	: 9650963

PRINCIPAL DIMENSIONS

OVERALL

LOA	: 137,75 m
Beam	: 81,00 m
Height (BL to main deck)	: 39,00 m

DECK BOX

Height	: 81,00 m
Width	: 81,00 m
Depth	: 09,00 m
Clear deck space	: 2000 m ²

DRAFT

Max Operational Draft	: 26,40 m on the marks / Including thrusters 31,21 m
Operational Draft	: 20,00 m on the marks / Including thrusters 24,81 m
Survival Draft	: 17,00 m on the marks / Including thrusters 21,81 m
Transit Draft	: 11,28 m on the marks / Including thrusters 16,09 m
Air Draft	: 83,28 m @ Operational 92 m @ Transit 86,20 m @ Survival

LIGHT SHIP WEIGHT

Light Ship Weight (Maximum)	: 33.600 mt
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DISPLACEMENT

Displacement (approx at 20 m draft)	: 55.700 mt
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TRANSIT SPEED

Transit Speed (at draft of 11,28 m)	: 8 kn
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DESIGN ENVIRONMENT

Survival condition	: Hs=12 m
Hotel Operation condition	: Hs=6,0 m
Transit condition	: Hs=6,0 m
Sea water temperature	: 0 °C to 32 °C
Outside air temperature	: -10 °C to 45 °C
Structure design temperature	: -10 °C
Fatigue life	: 20 years

OPERATION AREA

West African
Gulf of Mexico
UK North Sea

VARIABLE DECK LOADS

Hotel Variable	: 4.444 mt @ 20 m Operational Draft
Crane Variable	: 7.070 mt @ 26,4 m Operational Draft
Survival Variable	: 4.429 mt @ 17 m Operational Draft
Transit Variable	: 3.570 mt @ 11,5 m Operational Draft

BALLAST SYSTEM

Ballast pump	: 4 x 350 m ³ /hr & 4 x 200 m ³ /hr
Air compressor	: 4 x 8.390 Nm ³ /hr, Max Pressure 2,6 bar

FIRE FIGHTING & SAFETY

Fire Fighting	: 2 x Centrifugal type, Pressure min 14 bar
Life Boats	: 12 x 104 persons fire proof life boats complete with davits
Rescue Boat	: 1x motorized Rescue Boat (9 man) with launching davit
Life Rafts	: 25 x 25 persons life rafts

HELIDECK

Helideck notation	: D-value 22,8 / 't' value 14,6 (Sikorsky S-92 and S-61N or similar)
Helideck structure	: Steel

ACCOMMODATION

POB	: 618
Single Cabins	: 28
Double Cabins	: 295
Gym	: 2
Client Offices	: 5

MAIN AND AUXILIARY MACHINERY

Main Generator Set	: 8 x 3.860 kW, 6600 V, 60 Hz, 3ph
Emergency Generator	: 1x 1.825 kW, 440 V, 60 Hz, 3ph
Thruster	: 6 x 3.800 kW fully Azimuth Thruster
Fuel Oil Transfer Pump	: 4 x Screw pump, 75 m ³ /hr, 8.0 bar
Fuel Oil Purifiers	: 4 x Capacity 5.000 l/h
Start Air Compressor	: 4 x 50 m ³ /hr @ 30 bar
Service Compressor	: 2 x screw type 1.500 m ³ /hr @ 8 bar
Sewage Treatment Unit	: 2 x 310 persons
Fork Lift	: 1 x Linde E30S, 3 t

MAIN CRANE

Main Deck Crane	: 2 x 1.800 t @ 27 m, slewing Huisman
Tandem Lifting	: Lifting 3.600 t

DECK MACHINERY

Deck Crane	: 2 x Cranes 40 t @ 20 m
Gangway	: 1 x Telescopic hydraulic gangway with base of approx. 36,5 (6m) length, Marine Aluminium

ANCHOR SYSTEM

Four (4) 25 ton anchors x Flipper Delta 25T anchor, One (1) Flipper Delta 25 t spare anchor. Four (4) mooring winches design, electrically-powered, single drum mooring winches, Break holding force (1st layer) 4000 kn, pull (1st layer) 1800 kn at 10 m/min, complete with 2.000 steel rope of 3" diameter.

TOWING, MOORING & LASHING

8 set x double bollards and Panama Chocks / 4 x SMIT Towing Brackets with SWL 2 x 250 mt each associated with Panama Chocks / 8 sets x 10 t air winches / Two (2x) x double drum Barge Mooring Constant tension winches with fairleads



BlueOOS B.V.

Oostkapelseweg 4
4353 EH Serooskerke
The Netherlands

BlueOOS do Brasil Ltda.

Rua Internacional,
261-Vale Encantado,
Macaé, Rio,
Brazil-CEP 27933-377

BlueOOS Representative Office - Shanghai

Room 2305A & 2306, 23F
Yuexiu Tower, 388 Fushan Road
Pudong, Shanghai, China

