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EQUIPMENT SHEET

BOKA ATLANTIS
DIVE SUPPORT VESSEL



CONSTRUCTION/CLASSIFICATION

Type/design	DP2 MT6022XL
Built by	Hanjin Heavy Industries - Pusan, South Korea
Year of construction	2011
Flag	Marshall Islands
Classification	DNV ✠ 1A1, DSV(SAT, Surface), Battery(Power), Clean, COMF(V-3), DK(+), DYNPOS(AUTR), E0, HELDK(S, H), SF
IMO number	9441221

FEATURES

State-of-the-art 18-man Twinbell saturation diving system rated to 300 m
Main crane140 t active heave compensated
2x18-man hyperbaric lifeboats
2x DDC & 2x LARS for surface diving
Accommodation for 120 persons
Main deck area 1,120 m^2 with 10 t/m^2
1x Seaeye Cougar XTi light work class ROV
Deck tooling A-frame, quadruple winch and deck HPU
Main deck area 1,120 m^2 with 10 t/m^2 max. loading

MAIN DATA

Length overall	115.40 m
Length BPP	107.40 m
Beam	22.20 m
Depth main deck	9.00 m
Depth shelter deck	11.80 m
Moulded draught	6.70 m
Displacement	11,828 t
Deadweight	4,970 t
Gross tonnage	8,691 GT
Net tonnage	2,608 NT
Cargo main deck space	1,120 m^2 (deck strength 10 t/m^2)
Forecastle deck space	235 m^2 (deck strength 6.5 t/m^2)
Deck load capacity	3,300 t
Fuel oil	1,440 m^3
Lube oil	53 m^3
Potable water	1,160 m^3 + 40 m^3/day water makers
Ballast water	5,122 m^3
Anti-heeling	940 m^3

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SATURATION & AIR DIVING SYSTEMS

SATURATION EQUIPMENT SPREAD
Drass Galeazzi 18-man twin bell system rated at 300 msw
2 x 3-man bells, each 6.0 m^3
Bell handling with upgraded Semco LARS control sSystem
Bell handling approved to launch in 4m Hs
2 x 6-man DDC (D/L) / TUP (for diving bell mating)
2 x SPHL hyperbaric lifeboat oceanwide / Hytech (18 man capacity each)
Dedicated LSP
Sat Fathoms dive monitoring system
GAS STORAGE
18,000 m^3 gas storage below deck, gas transfer, chamber & diver gas reclaim systems
AIR DIVING SPREAD
2 x DDC (D/L) and 2 x 2-man LARS Air Dive System
Fathoms Air Dive monitoring system

DYNAMIC POSITIONING SYSTEM

GE SeaStream (DPS - DUPLEX DP + IJS), dual redundant dynamic positioning system with DP references as follows:
3 x Veripos LD900 (GNSS PRS)
1 x CYSCAN CyScan Mk4
3 x motion reference sensors TSS DMS-10
2 x SMT Taut Wire 2.2 (taut wire PRS)
3 x Anemometer (with heating) Gill Wind Observator II 2 x Sonardyne Ranger 2 (USBL acoustic PRS)

MACHINERY

Main generators	3 x 2,510ekW, 690 V/60 Hz, 720 rpm
	2 x 1,880ekW, 690 V/60 Hz, 720 rpm
Auxiliary generators	2 x 835ekW, 690 V/60 Hz, 1,200 rpm
Emergency generator	1 x 910ekW, 1,800 rpm
Bow thrusters	Wärtsilä, 2 x 1,900 kW tunnel thrusters
Bow azimuth	Wärtsilä, 1 x 1,500 kW retractable thruster
Stern thrusters	Wärtsilä, 2 x 3,000 kW azimuth thrusters
Battery Energy Storage System	Class approved 450 kWh BESS certiited for use in DP

FUEL CONSUMPTION

At full speed 13 knots	25 t MGO/day
Cruising speed 11 knots	18 t MGO/day
In DP mode	10 -12 t MGO/day (depending on weather)
Alongside	3 t MGO/day (domestic use only)

MAIN CRANE (STBD)

TTS Marine 140 t crane type CCLKO 1600-140-35 - Active Heave Compensation (AHC) knuckle boom offshore crane. Wire dia 56 mm.

Main winch	
140 t – 2 fall	5.5 to 7 m radius
70 t – 1 fall	5.5 to 10 m radius
12 t – 1 or 2 fall	at max radius 35 m
Auxiliary winch	
10 t – 1 fall	5.5 to 33 m radius
Personnel lifts	0.75 t at radius 5.5 to 33 m

AUXILIARY CRANE (PORT)

TTS Marine 40 t crane type CCLO 1250-40-27. Wire dia 28 mm.

Main winch	
40 t – 4 fall	5.5 to 13.5 m radius
20 t – 2 fall	5.5 to 27 m radius
10 t – 1 fall	5.5 to 27 m radius
Auxiliary winch	
3 t – 1 fall	5.5 to 27.8 m radius
Personnel lifts	0.5 t at radius 5.5 to 27.8 m

HELI DECK

Construction	22.2 m diameter aluminium
Load capability	Sikorsky S92 - max take-off weight 12 t Sikorsky S61 - max take-off weight 9.3 t
Compliances	DNV HELDK-SH, HCA certified, CAP 437
Sky lobby	Allocated for in/out going passengers

ENERGY STORAGE SYSTEM

Energy Storage System (ESS) designed by Bakker Sliedrecht and equipped with Orca ESS battery packs from Corvus Energy. The system supports Peak Shaving, Ramp Rate and Spinning Reserve functions to provide operational stability and efficiency.

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PERFORMANCE CAPACITIES

Fuel autonomy	About 90 days (based on average use of 11 t per day)
Diving gas autonomy	About 60 days (based on 18,000 m^3 storage capacity) 3,000 m^3 kept for safety and 200 m^3 use per day depending water depth.
Drinking water autonomy	Self-sufficient (based on onboard water makers 2pcs x 40 t, production capacity 40 t/day - 1pc in use at a time)

ACCOMMODATION & RECREATIONAL FACILITIES

Total of 120 persons	Full A/C in all cabins, mess rooms, control rooms and offices +18 divers in saturation 23 x 1-man cabins 46 x 2-men cabins 2 x (2+2)-men cabin (Pullman) 123 beds in total
Hospital	4 beds
RECREATIONAL FACILITIES	
Exercise room	2 x gymnasiums (strength and cardio)
Mess rooms	50 seats (others)
Day rooms	2 x Day/TV rooms (1 x smokers and 1 x non-smokers)

OFFICES & MEETING ROOMS

Day room smokers	10 seats (close to crew day room)
Project meeting room	12 seats (close to project offices)
Client's offices	3 offices with 2 stations available, 2 x PC, 1 x fixed VHF, 1 x clearcom
Offshore manager office	1 office with 1 station
Div. Supt/ROV supt office	1 office with 2 stations
Project engineering office	1 office with 6 stations
Field engineers office	1 office with 4 stations
On line survey room	1 office with 5 stations
Ship's office	1 office including lounge and conference table
Inspection office	

MOONPOOLS

BELL

2 x (3.9 m x 3.9 m) aerated

WORKING

1 x (5 m x 5 m) clear space, excluding baffles. A 2,500 mm perimeter area around the working moon pool strengthened with additional 25 mm plate for equipment handling or work structure installation

POSITIONING

POSITIONING/VIDEO MONITORS

Cabling to posit/video monitors in key personnel/client's cabins as well as bridge, dive, ROV and project and client's offices

COMMUNICATION EQUIPMENT

GMDSS A3 RADIO STATION

DIGITAL COMMUNICATION

V Sat and Starlink with WiFi and LAN connections

NAVIGATION / VIDEO SCREEN

Digital video network sharing w/10 multiple audio/video channels

CCTV SYSTEM

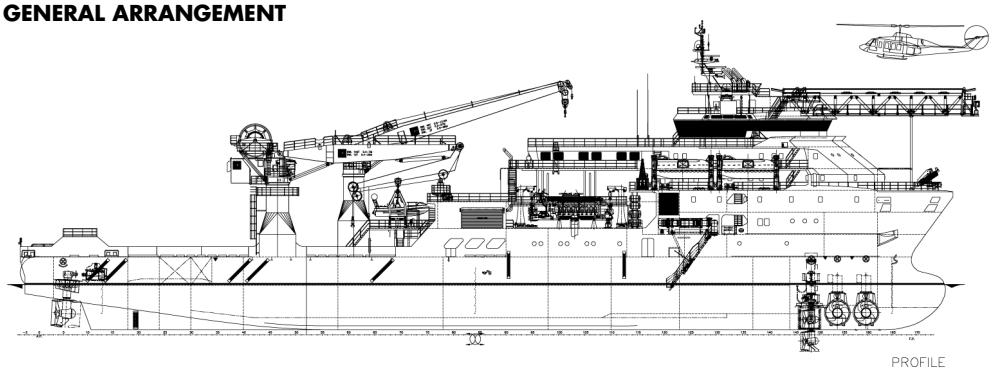
Consists of 36 cameras, main station allocated in instrument room

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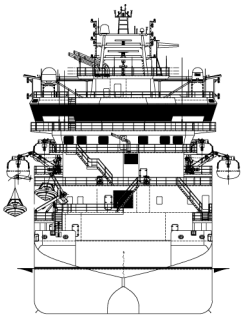
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GENERAL ARRANGEMENT

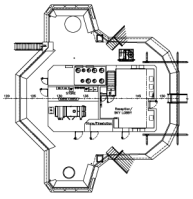


PROFILE

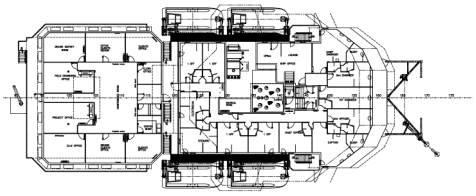


AFT VIEW

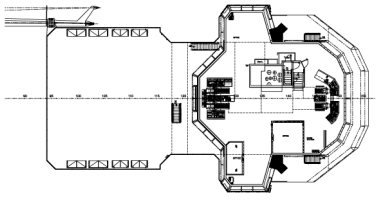
SIDE VIEW



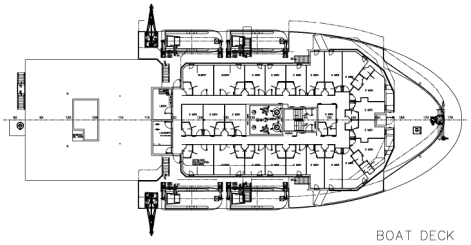
TOP OF WHEELHOUSE



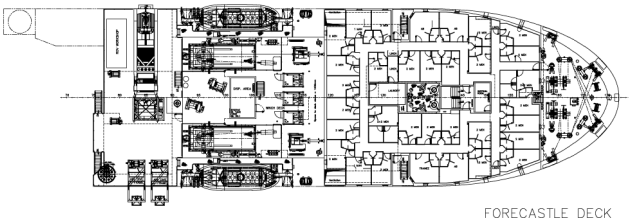
CAPT. DECK



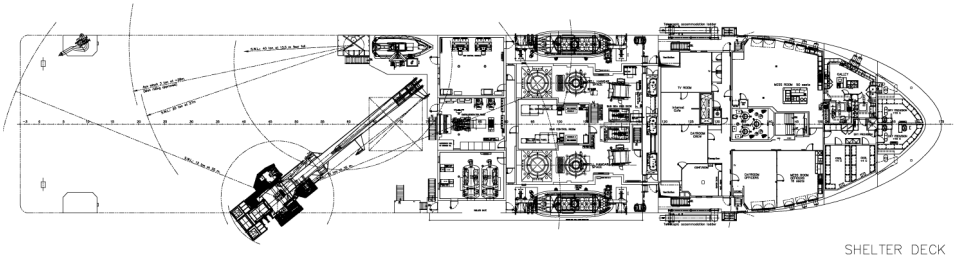
BRIDGE DECK



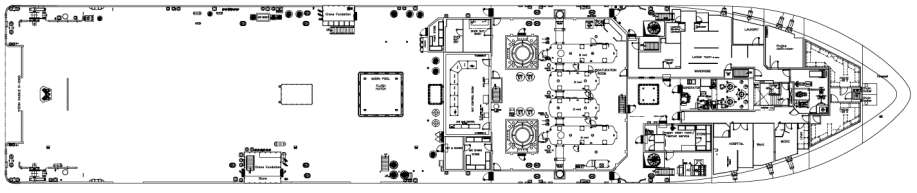
BOAT DECK



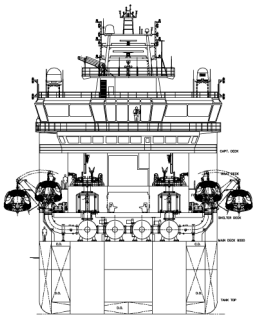
FORECASTLE DECK



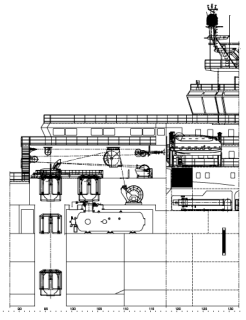
SHELTER DECK



MAIN DECK



TRANSVERSE SECTION
SATURATION SYSTEM



LONGITUDINAL SECTION
SATURATION SYSTEM

TOP VIEW DECK LEVEL

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