

BLUE TITANIUM

liftboat



Adding another crucial equipment to the industry



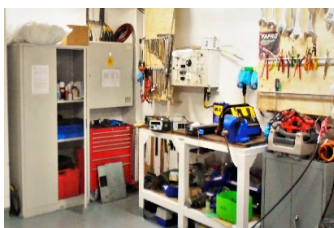
ADDITIONAL LIVING QUARTERS



RECREATION ROOM



GYM



WORKSHOP



HOSPITAL

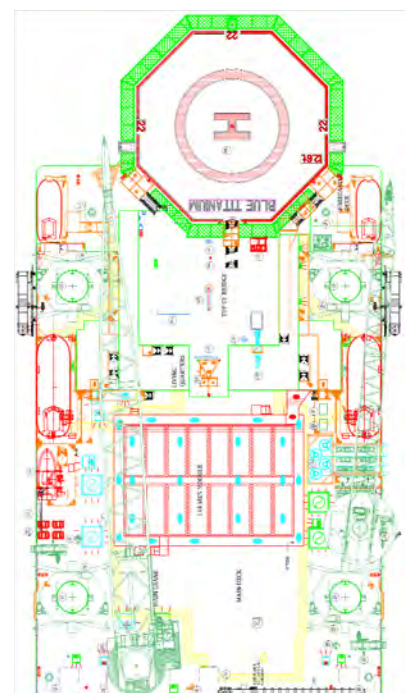


BRIDGE DECK



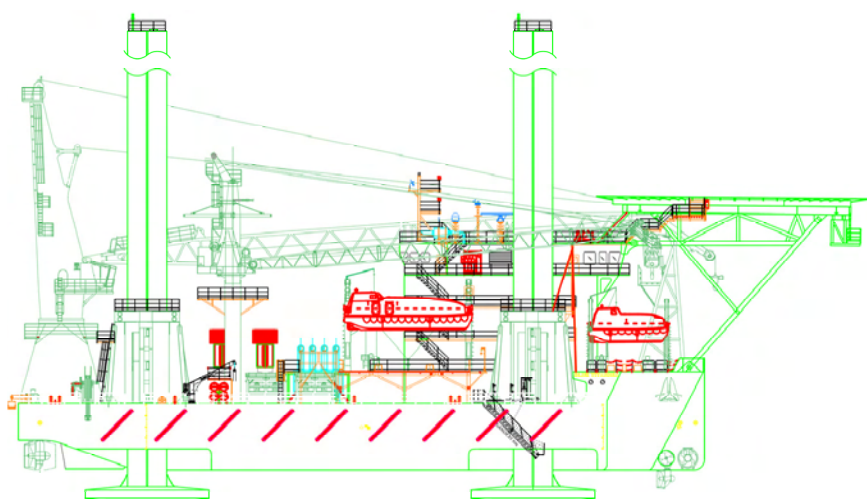
MESSROOM

Name : **"BLUE TITANIUM"**
Type : Class 320 Liftboat
Model : BEL320-4R200S Liftboat
Class : American Bureau of Shipping Classification
 ✕ A1, Self-Elevating Unit, AMS, ACCU, DPS 2
 Unrestricted Service
 ABS ID YY258177
Flag : Singapore (IMO No. 9779862)
Builder : Baker Engineering Pte. Ltd
Designer : BEL Design Pte. Ltd.
Owner : BT Titanium Pte. Ltd.



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Baker Engineering Pte. Ltd. ✕ 10 Jalan Samulun, Singapore 629124 ✕ Tel: +65 6637 9799 Fax: +65 6261 8859



Lifting Equipment:

One (1) Huisman Deck Crane; main hook 300MT
@ 15.0m with a 30MT whip hoist (*Afloat Lifting up to 120MT*)
One (1) Sea Hercules Kingpost Crane; main hook 38.8MT
@ 7.5m with a 10MT whip hoist
Aft and Port/Stbd Embarkation Gangways

Propulsion & Positioning System:

Three (3) 1000KW azimuth aft thrusters
One (1) 500KW retractable and one (1) 500KW tunnel fwd thrusters
All Schottel thrusters are driven by VFDs
6 knots transit speed in calm sea conditions
Kongsberg DPS 2 and Vessel Management System

Generators:

Four (4) sets of Cummins Main Diesel Engine each rated @ 1700eKW
One (1) unit of Cummins Emergency Diesel Engine rated @ 550eKW

Safety & Navigation Systems:

Fire & Gas Detection and Fire-fighting Systems meeting MODU and SOLAS requirements
2 x 150 and 2 x 50 men fully enclosed Lifeboats, 1 Rescue Boat and Liferafts

Environmental Criteria:	Operation	Storm
Water Depth max (m)	: 67.0	40.0
Wave Height max (m)	: 4.0	9.0
Wave Period (s)	: 7.5	12.5
Current @ surface (knots)	: 1.3	1.3
Wind Speed (knots)	: 70.0	100.0
Leg Penetration (m)	: 3.9	3.9
Air Gap (m)	: 10.7	10.7
Variable Load (MT)	: 1500	1500

Legs can be lowered in sea conditions in up to 2m significant waves, 2 knots current and 25 knots wind. Preloading time is about 2 hours.

General Dimensions:

Length of Main Deck	64.00m
Overall Length incld. Helideck	79.00m
Breadth of Main Deck	40.00m
Depth of Main Hull	6.20m
Leg Length incld. Spudcans	97.5m
Leg Outer Diameter	3.66m
Operating Draft	4.00m
(spud cans fully flushed with hull bottom)	
Helicopter Deck sized for Sikorsky S61N/S92	

Design Loads:

Variable Load	1500MT
Main Deck Loading	10MT/m ²
Total Deck Area (useable)	900m ²

Design Temperatures:

Steel Structure Design Temp	-10 Deg C
Min Air Temp	-10 Deg C
Max Air Temp	+55 Deg C

Tank Capacities:

Freshwater Tanks	200cu.m
Drillwater Tanks	480cu.m
Brine Tanks	300cu.m
Diesel Oil Tanks	441cu.m
Diesel Oil Day Tanks	22.8cu.m
Lube Oil Tank	4.8cu.m
Grey Water Tanks	89cu.m
Contaminated Drain Tank	34cu.m
Waste Oil Tank	54cu.m
Trim Tanks	1098cu.m

Accommodation:

192 POB in single, double and 4 men rooms
144 POB in 4 men rooms. 336 Total POB

Jacking System:

NOV Electric Rack and Pinion Jacking System
0.9 m/min for jacking with load
1.8 m/min for jacking without load

Machinery Systems:

Submersible Hose Reels, Loading/Offloading Stations, Anchor Mooring Winch System, Leg Jetting System, Oily Water Separator Vacuum Sewage Treatment Plant, Fuel Oil Purifier, Fresh Water Maker

Communications Systems:

PAGA, PABX Telephone, LAN System, CCTV System, GMDSS Area 3