

EQUIPMENT SHEET

GIANT 5

SEMI-SUBMERSIBLE BARGE

(SPECIFICATIONS ALSO APPLICABLE TO GIANT 6)



CONSTRUCTION/CLASSIFICATION

Year of construction	2014, delivery December 2014
Classification	Lloyds Register +100 A1 Pontoon, Submersible to a maximum draught of 17m, IWS, WDL (20 t/m ²)
IMO number	9725483
Registration	Singapore

SUBMERGING PARTICULARS

Submersible draught aft	17.0 m
Submersible draught fwd	17.0 m
Grounding draught aft	20.0 m

CARGO CAPACITY

Deadweight	21,000 t
Deck area	4,500 m ²
Free deck length	120 m
Deck load	20 t/m ²

MAIN TOWING BRIDLE

Stud link chain	2 x 25 m 76 mm U3 + triangle plate
Bridle recovery	A-frame with winch

MAIN DATA

Length	137.00 m
Breadth	36.00 m
Depth	8.50 m
Draught (empty)	1.87 m
Draught (loaded)	6.45 m
Light weight ship	7,250 t

BALLAST SYSTEM

Type	Diesel-electric pumps unmanned pump rooms redundant ballast system
Pump capacity max	6,400 m ³ /h (4 x 1,600 m ³ /h)
Main generators	890 kW (2 x 445 kW)
Auxiliary generator	65 kW
Ballast water treatment	2 x 500 m ³ /h (UV system)

ACCOMMODATION

Spacious control room on top deck with all ballast controls and good view on main deck and surroundings. Below a mess room and kitchen with toilet and 4 beds.

All accommodation is fully air-conditioned.

Stores	2 x 100 m ²
Additional storage space	2 x 20' container fitting on foredeck

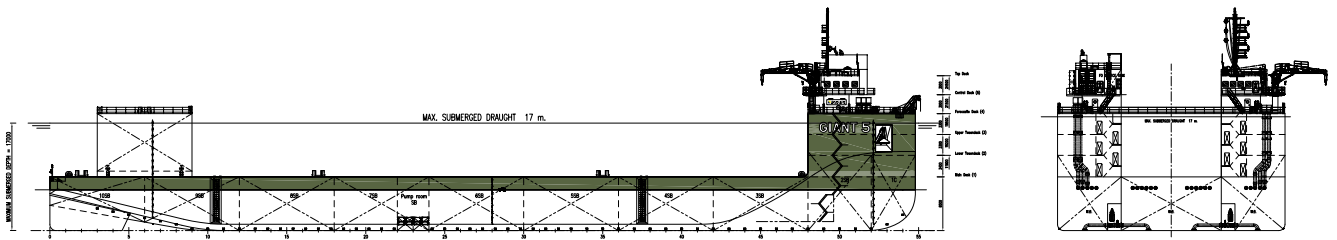
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DECK EQUIPMENT

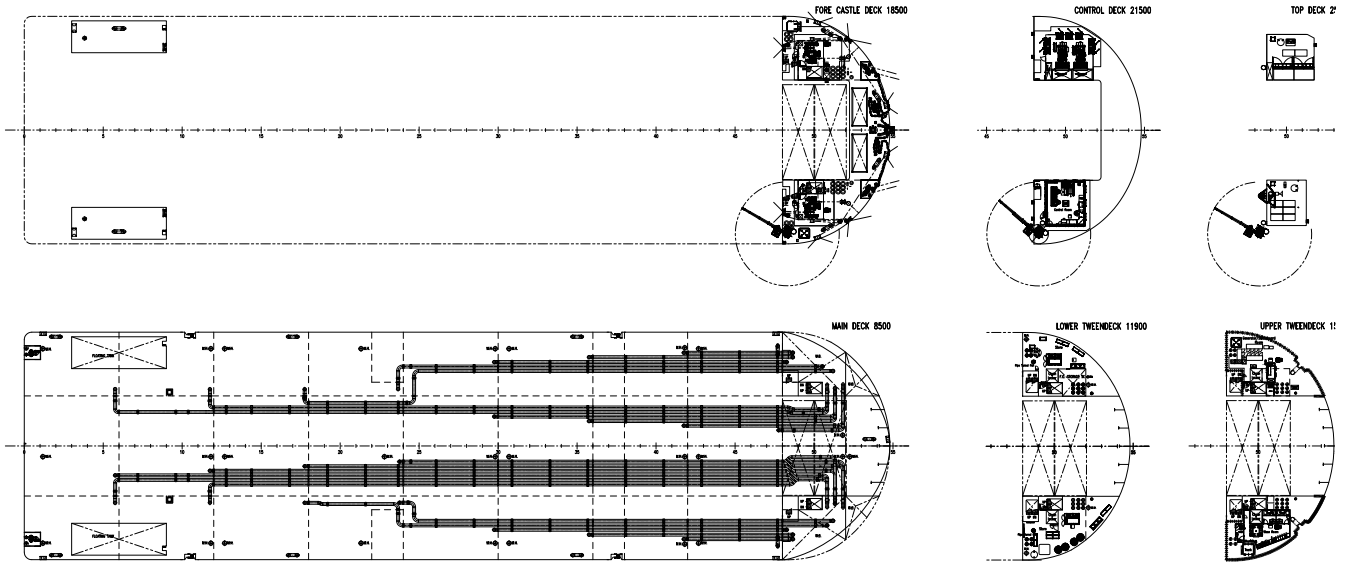
Anchor/mooring winch	2 x Located inside housing
Anchor (2x)	HHP Anchor 4,200 kg
Chain	220 m, 76 mm chain U3
Line pull (2x)	300 kN @ 10 m/min
Steel wire rope	200 m ø 40 mm
Store crane	1 x Rated 3 t @ 8 m radius

DESIGN

Concept	SMIT
Hull shape	MARIN optimized for low drag and high course stability by CFD & model tests
Basic design	Vuyk Engineering



SIDE VIEW



TOP VIEW