

# TTS Semi-Submersible Barge

## Technical Specification Sheet

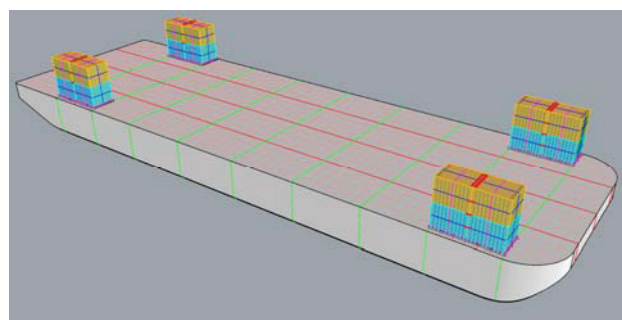
### General Application

The barge is a non-propelled, un-manned, steel deck barge, designed for floatoff and floating dock operations. The barge is simplified in design and operations having external ballast pumps on deck and power generation & controls provided on a vertical control tower with piping manifold, fitted on barge deck at a side. The anchoring winches and power pack are mounted on top of buoyancy columns.

### Main Particulars

#### Hull

Hull length (OA)	128.00m
Hull Breadth (Moulded)	40.00m
Hull Depth (Moulded)	8.80m
Submersible Depth	8m above main deck
Buoyancy Columns	4 Non-ballastable Columns, Sizes 12.00mx 5.01m x 9.29m; Two at Fwd and Two at Aft.



Isometric view of hull



Beam view of hull

#### Capacities

Total Ballast Tanks	43,500 MT
Deck Loading	Main deck 15.0 MT/m <sup>2</sup> Top of Columns 1.0 MT/m <sup>2</sup>

### Floating Dock and Submergence Capabilities

Deadweight	Approx 28,000 MT
Submergence Cargo	Max 7000 MT, VCG restricted

### Classification

ABS:  1A1 BARGE, Floating Dock

Alternative classification;

BV: I  HULL, Offshore Service Barge – Floating Dock

### Machinery and Outfittings

Ballast Pumps	External submersible ballast pumps mounted on the deck, up to max combined 5000 MT/hr ballasting capacity.
Control Winches	4 x 10 MT capacity, one per column
Bollards, Smit Brackets, Chocks	As suitable for towing and mooring

### Power Generation & Controls

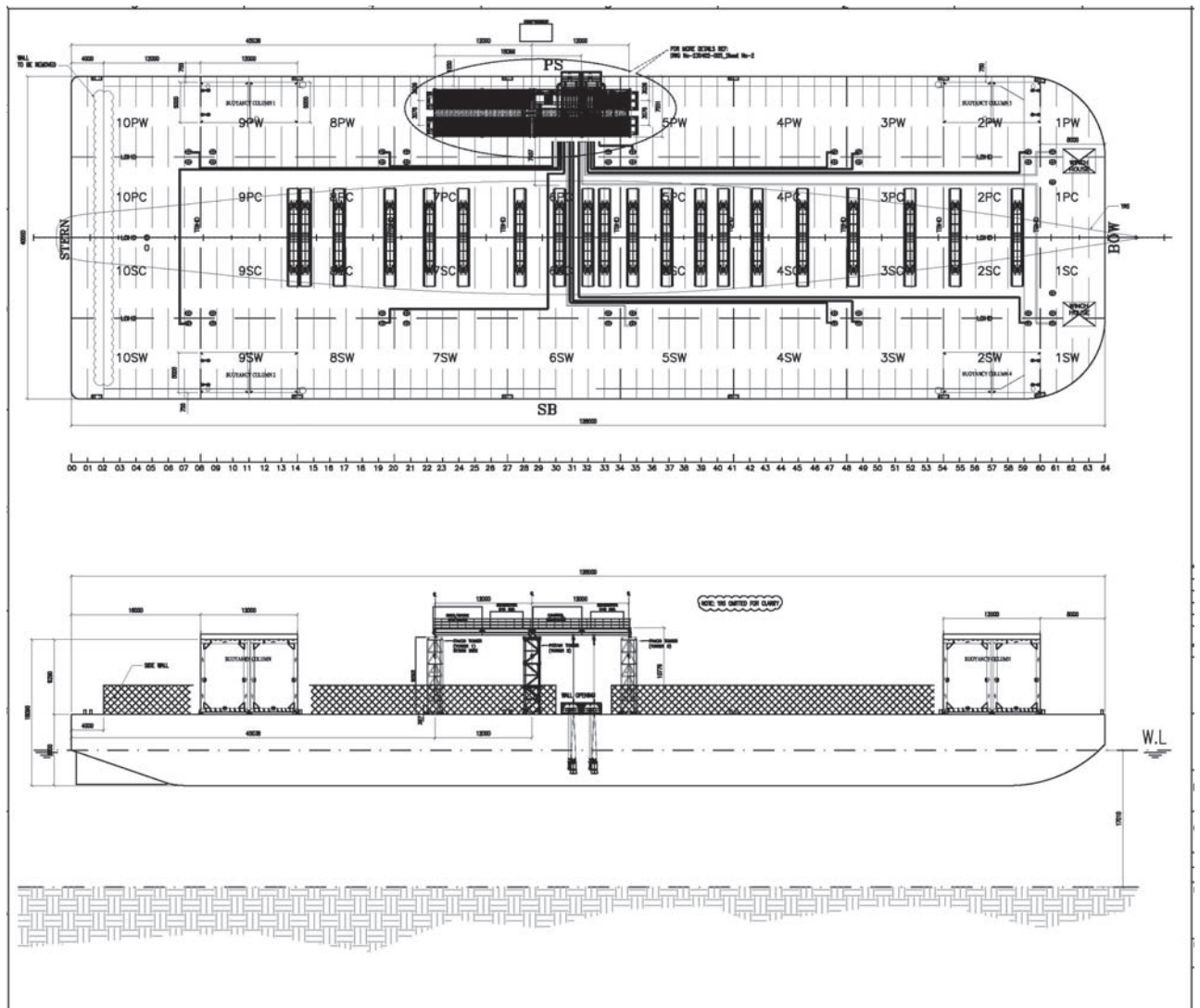
Power plant is provided on the control tower.

The controls are also provided on control tower. Unit is equipped with Tank Gauging System, Draft Sensors, Automatic Valve Control, Pump Control, Watertight Door Monitoring System, Bilge Alarm Monitoring System.

\*\* The details are given in good faith, but not guaranteed.

\*\* The information mentioned in this document are proprietary to Green Palm Marine Consultancy UK.

## Arrangement Drawings and Pictures



Barge General Arrangement with Control Tower for Yacht



Control Tower with Piping Manifold



Buoyancy Column