



GPMC FLS 6500 BARGE

Technical Specification sheet

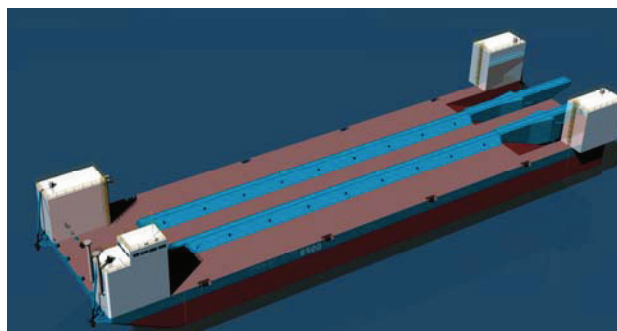
General Application

The **FLS 6500** is a non-propelled, un-manned, steel deck barge with a raked bow, square launch stern and flush deck, designed for transportation of heavy cargos, launching of jackets, floatover of topsides and floatoff operations. The design derives its name, FLS, from the operations FLOATOVER-LAUNCH-SUBMERGING. The barge is adequately equipped to do floatover operations of topsides up to 6500 tons, and launching operation of jackets up to 5500 tons.

Main Particulars

Hull

Hull length (OA)	120.00m
Hull Breadth (Moulded)	32.00m
Hull Depth (Moulded)	8.50m
Draft Loadline	6.50m
Gross Tonnage (GRT)	8943
Net Tonnage (NRT)	2683
Submersible Depth	8m above main deck
Buoyancy Columns	2 Fixed Columns at FWD, Ballastable 12.0m x 6.4m x 10.0m; 2 Removable Columns at Stern, Ballastable, 10.8m x 6.4m x 10.0m



Isometric view impression

Capacities

Total Ballast Tanks	300,000 MT
Deck Loading	Main deck 20.0 MT/m ² Top of Columns 1.0 MT/m ² Top of Control Room 0.46 MT/m ²



Hull Shape view


Floatover, Launch & Submergence Capabilities

Rocker Arms	L= 30m
Jacket Launch	5000 MT- 5500 MT (VCG 20-25m above barge deck depending upon configuration and tow route)
Topside Float-over	5500 MT – 6500 MT (VCG 19-22m above barge deck depending upon configuration and tow route)
Submergence Cargo	Max 7000 MT, VCG restricted (with 4 columns)


Machinery and Outfittings

Ballast Pumps	4 x 1200MT/hr @ 25m head
Anchors	AC-14 with weight 6000KG on each Column.
Anchor Wire	Dia 48mm x 260m SWR, Or, Dia 76mm Polylines
Anchor Windlass & Capstan	25 MT capacity, one on each column
Bollards, Smit Brackets, Chocks	As suitable for towing and mooring

Classification

ABS:  1A1 BARGE, Floatover/Launch/
Floating Dock

Alternative classification;

BV: I  HULL, Offshore Service Barge –
Floatover/Launch/Floating Dock

Note: Load-out and Launch winches are provided project specific.

** Designer reserves the right to amend the specifications without notifications.

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

Power Generation and Distribution

Main Generators	2x 480 kW, 415V/3Ph/50 Hz (CAT 3412 or eqv)
Harbour Generator	1x 150 kW, 415V/3Ph/50Hz
On-board Supply	
- Main Power	415V/3Ph/50Hz,
- General Lighting and Utilities	220V/1Ph/50Hz,
- Navigation and Communication	220V/1Ph/50Hz,
- Emergency Lighting	220V with battery backup
Shore Supply	415V/3Ph/50Hz

Instrumentation & Controls

The controls are provided in the control room and pump room. Unit is equipped with Tank Gauging System, Draft Sensors, Automatic Valve Control, Pump Control, Watertight Door Monitoring System, Bilge Alarm Monitoring System.

The unit is also provided with Emergency Shutdown System.

General Arrangement Plans

