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## Multipurpose PushBoat 2000 HP

PROJECTS / TUGS



- Preliminary Project

Push/tow boat, multipurpose to handle all type of vessels, including large container carrier flat barges. Envisaged for inland water and short trips. Multifunctional platform to assist in hydraulic works, salvage, etc.

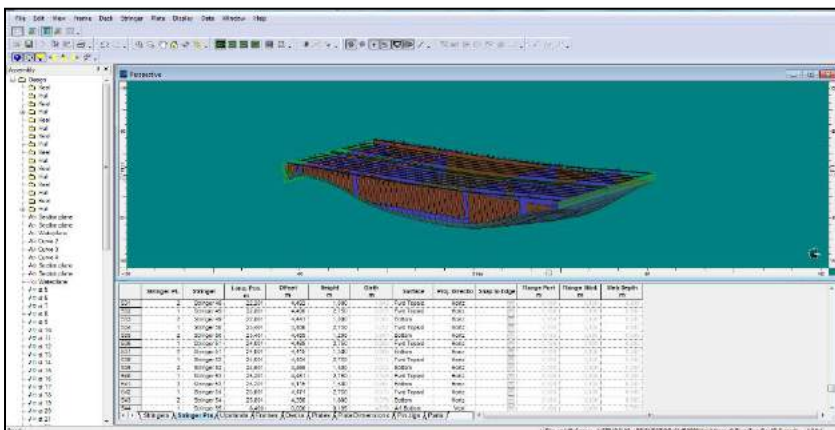
### Characteristics

Length:	30,00 m
Beam:	9,00 m
Draught:	1,80 m
Depth:	3,30 m
Bollard Pull:	20 ton
Power:	2x1000 HP

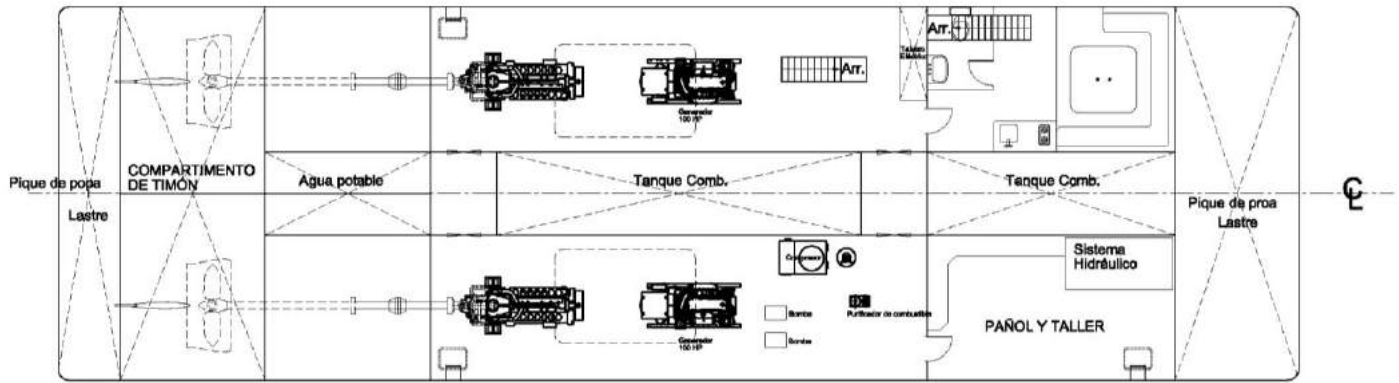


### MAIN FEATURES

- Designed as a multipurpose, easy to adapt, working boat.
- Subdivision in compliance with RIOCON regulations.
- Low operational draught.
- Excellent manoeuvring capabilities.
- Reliable and with low maintenance costs.
- Flexible arrangement according to the owner's requirements.
- Efficient structure designed by FEM modelling. Constructive system optimized to reduce costs and production time.
- Bridge height suitable for all the bridges in the HPP system, with adequate margins.
- Hydraulic Towing and Mooring winches.
- 150 tm Hydraulic Crane for the handling of spares, supplies, working boat, etc.
- Central fuel tanks to avoid list and transferring manoeuvres.
- Projected in **ShipConstructor** (™) for fast updating of the technical documents, elimination of coordination errors, quick updating and better communication with the shipyard.



Structural and geometrical models integrated



The following optional equipment is proposed:

- Transverse bow thruster
- Articulated marine hydraulic crane.  
SWL 15 t at 10 meters.
- One hydraulic towing winch 20 t a 5 m/min, with warping head and winder, optional.  
Approximate capacity, 300 meters of 30 mm diameter steel wire.
- Towing hook.
- Two 5 t auxiliary winches at 5/min. for mooring and auxiliary operations.
- A 24" diameter (approx.) Stern roller for towing wires, anchor handling, purchase gears, etc. It could be one central or two at the sides.
- Loading unloading Ramp at the forward end, foldable, manually operated or by means of the deck winches.  
3700 mm wide, 6400 mm long. SWL and roll load to be defined.
- "A-Frame" in the forward end, approximate SWL 20 t. Hydraulic operated luffing or fix.
- Accommodation in standard ISO containers, for crew, workshops, stores, surgeries, etc.
- Auxiliary working boat for rescue, firefighting etc, rigid or semi-rigid.
- High-capacity Fire Pump coupled to a main engine. Fire monitor for distance combat.

