

MONTE BELLO SERIES 45 m Shallow Draft Landing Craft



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45 m Shallow Draft Landing Craft

VESSEL APPLICATIONS: Cargo supply services, Dive and ROV support, Survey and Seismic operations, Evacuations and Medevac response, Standby operations, Oil-spill response, Inshore services, including crew transfer, medevac, cargo supply to inner and outer anchorages, relocation of buoyage marks, navigation aid repairs and maintenance etc.

- ✓ Beach landing capabilities with aft anchor and winch for shore assist beaching.
- ✓ Propellers and rudder aligned with keel in tunnels for limiting grounding damage.
- ✓ All fuel oil tanks independent of hull providing double bottom security.
- ✓ Steel Hull and aluminium superstructure, full aluminium available.

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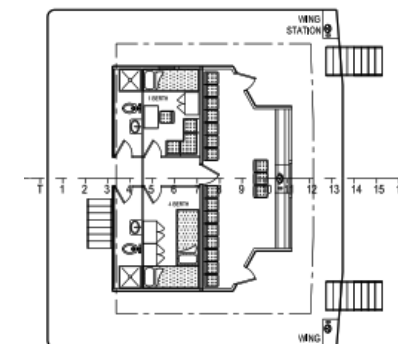
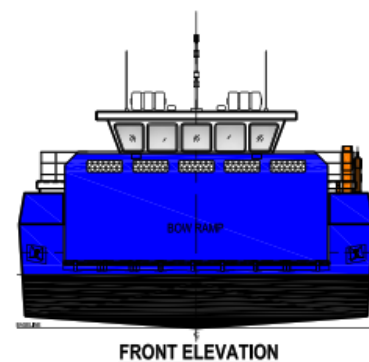
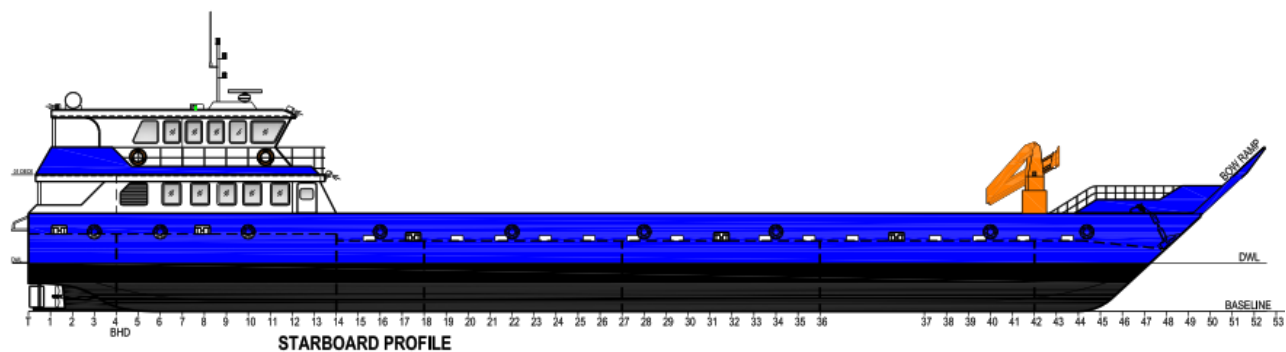
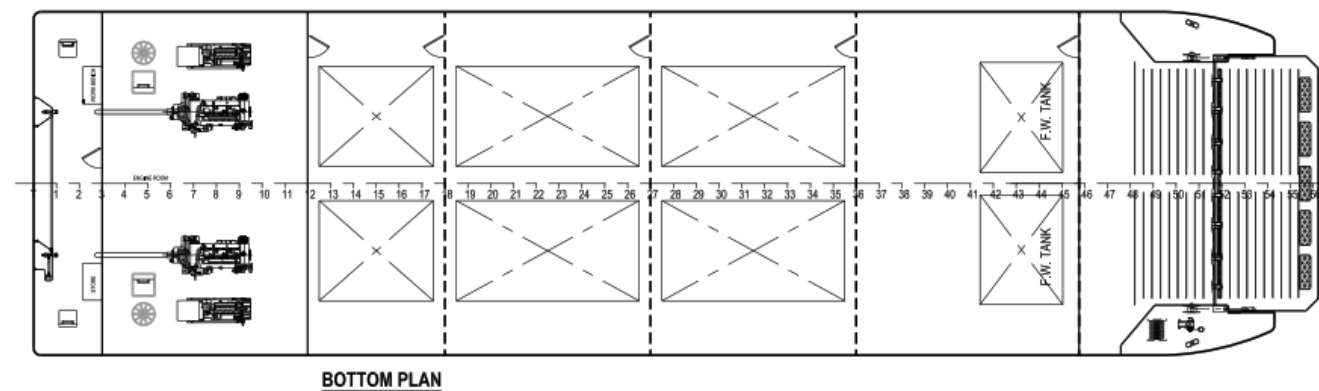
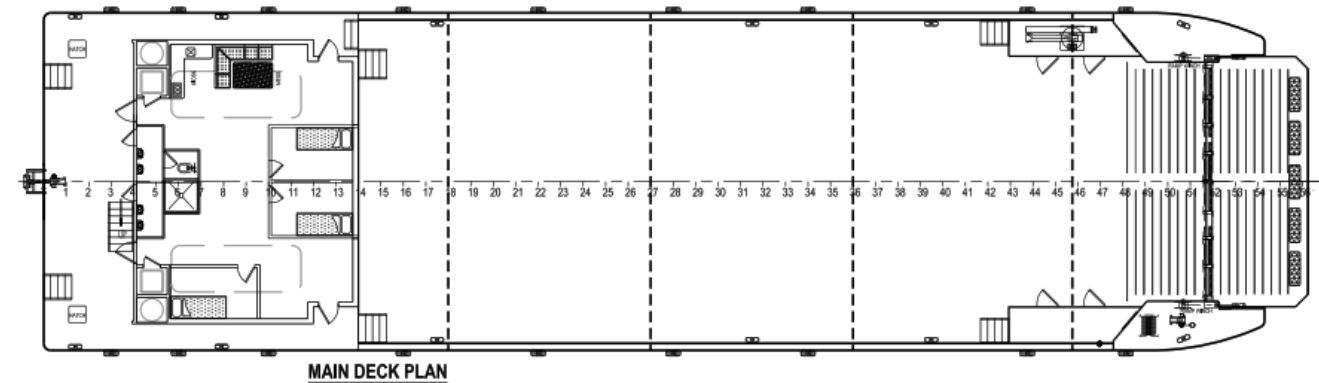
Design: Australian Marine Technology P/L

Builder: MOC Shipyards Pvt Ltd

Classification: BV, Cargo passenger vessel

Flag: TBA

Passenger & crew: 12 + 10 crew



TECHNICAL SPECIFICATIONS

DIMENSIONS

Length: 45.00 m

Length at waterline: 41.60 m

Beam: 12.0 m

Draft: 2.50 m loaded, 1.30 m lightship

MACHINERY

Main Engines: 2 x 1007 kW, Caterpillar/ Yanmar/ Cummings

Auxiliary Engines: 2 x 80 kVA, Caterpillar/ Yanmar/ Cummings
*(recommended), (optional): 12 kVA air-cooled to connect to shore power inlet
(in case vessel sits dry in low tide applications)*

Cooling System: Keel cooling

Exhausts: Dry

Batteries: 5 banks for main engines and generators, starting with one emergency bank above weather deck. Rotary colhersee switch to all

Compressor: General unit 12 cfm for servicing equipment

Tools: Frontline tools, equipment and testing tools for preventative maintenance and on-board breakdowns

PERFORMANCE

Maximum Speed: 12 knots @ 100% MCR

Economic Speed: 8 knots @ 65% MCR

Fuel Consumption: 20 litres/hour at anchorage

(Subject to machinery) :280 litres/hour at economic speed

:540 litres/hour at maximum speed

Range: 2,000 nautical miles *(with 10% reserve)*

CARGO CAPACITY

Deadweight: 600.0 tonnes

Deck Load: 400.0 tonnes

Deck Strength: 10.0 tons/m² *(18T axle loading)*

Clear Deck Area: 396 m²

Sewage: *(optional)* 1,000 litres sewage treatment plan

TECHNICAL SPECIFICATIONS

TANK CAPACITIES

Fuel for vessel: 40,000 litres

Potable water: 10,000 litres

Sewage: *(optional)* 1,000 litres sewage treatment plant

Double bottom fuel oil cargo tanks: *(optional)* 50,000 – 150,000 litres contained within independent removable aluminium tanks ensuring maximum environmental protection (Classification Society Approved)

Fuel Transfer: *(optional)* Via manifold system from independent cargo tanks, delivery in excess of 200 meters.

Photo optional aluminium removable cargo tanks



ACCOMODATION

Air Conditioning: Split system with heating and cooling providing redundancy throughout the vessel

Cabins: *(other layouts available):* 3 x 2 man in lower deck, 1 x 1 man and 1 x 2 man upper deck, all with lockable drawers, reading lights, privacy curtains, vertical lockers, power outlets, ladders to upper bunks

Wheel House: Lounge back seating for 16 passengers, 3 helm seats, freshwater fountain, coffee machine, refrigerator, TV-video with LCD screens

Galley: Main deck fully equipped and server for passengers with refrigeration, microwave, coffee machine

Stove and Oven: Electric 1 x 4 elements, microwave

Freezer: Size to suit

Bathrooms and Showers: 2 x full bathrooms with showers on upper deck, 1 x WC and shower on main deck

TV-Stereo-DVD-VHS-CD: 4 sets

Washing Machine and Dryer *(optional):* 1 of each in laundry room below main deck

TECHNICAL SPECIFICATIONS

DECK AND HULL MISC.

Fendering: Half round rubbing strake and aircraft tyres

Gangway: *(optional)* Portable aluminium gangway

Handling: Boat Hooks, Grapple with Lanyard

Deck Equipment: Recessed tie downs SWL 500 kgs

Mooring: Double Bit Bollards – 10 sets

Plating: 10.0 mm deck

Access to water – rescue zone – wharf boarding: 1,350 mm from waterline with gunnel doors either side of vessel main deck

Loading ramp: Electric winch operated 6.50 m clear width – chain gypsies

Anchor: 2 x 200 kg bow

Anchor Winches: 2 x Electric 8 ton

Anchor Chain: 2 x 110 metre

Pillar Deck Crane: *(optional)*: 40 ton SWL fixed boom crane with hydraulic extension and winch; other capacities available

Bilge System: Mechanical pump with electric back-up connected to manifold system. Electric automatic pump in all spaces. Central bilge alarm panel to helm station

ELECTRONICS *(available Furuno / Simrad to client specifications)*

Radar: 48 NM

Sounder 1 unit

Auto Pilot: *(optional)*

Plotter: 1 unit

GPS: 1 unit

VHF Radio: 1 unit

Compass: Furuno SC50

Barometer and Clock: One each at main helm station

AIS: Simrad MX 535 A

Search Light: 2 x Sanshin HR-1012

Intercom: GME to machinery space, accommodation area, mess area and helm

Public Address: Raymarine 430 with 2 speakers in wheelhouse roof

Charts: All current charts for operational areas, hard copies and electronic

Navigation Lights: Class approved

Fog Horn: Distress signalling type

TECHNICAL SPECIFICATIONS

SAFETY EQUIPMENT

Fire Hoses and Nozzles: 4 sets with spray nozzles

Fire Hydrants: 4 stations

Fire Control Plan / Muster List: Class approved

General Emergency Alarm: Yes

Life Rafts: 2 x 20 man

Man Over Board Rings: 8 off, 2 with lights all with lanyards

Solas Life Jackets: 25 Solas, 4 deck RFD work vests

Parachute Rocket Flares: 4 as per survey requirements

Hand Held Flares: 8 as per survey requirements

First Aid Kits: 1 x type E, 1 x Sutures kit

General Emergency Alarm: Yes

Torches: 2 x Signalling

Fixed Fire Fighting System: Fitted in machinery spaces
CO2

Emergency Escape: Machinery spaces and accommodation
areas

Fuel Shut Off: Remote operated

Fog Horn: Distress signalling type

LIGHTING

Navigation Lights: Port, Starboard, Masthead, Stern & Anchor. 1 x towing, 1 all-round white and 2 all-round red

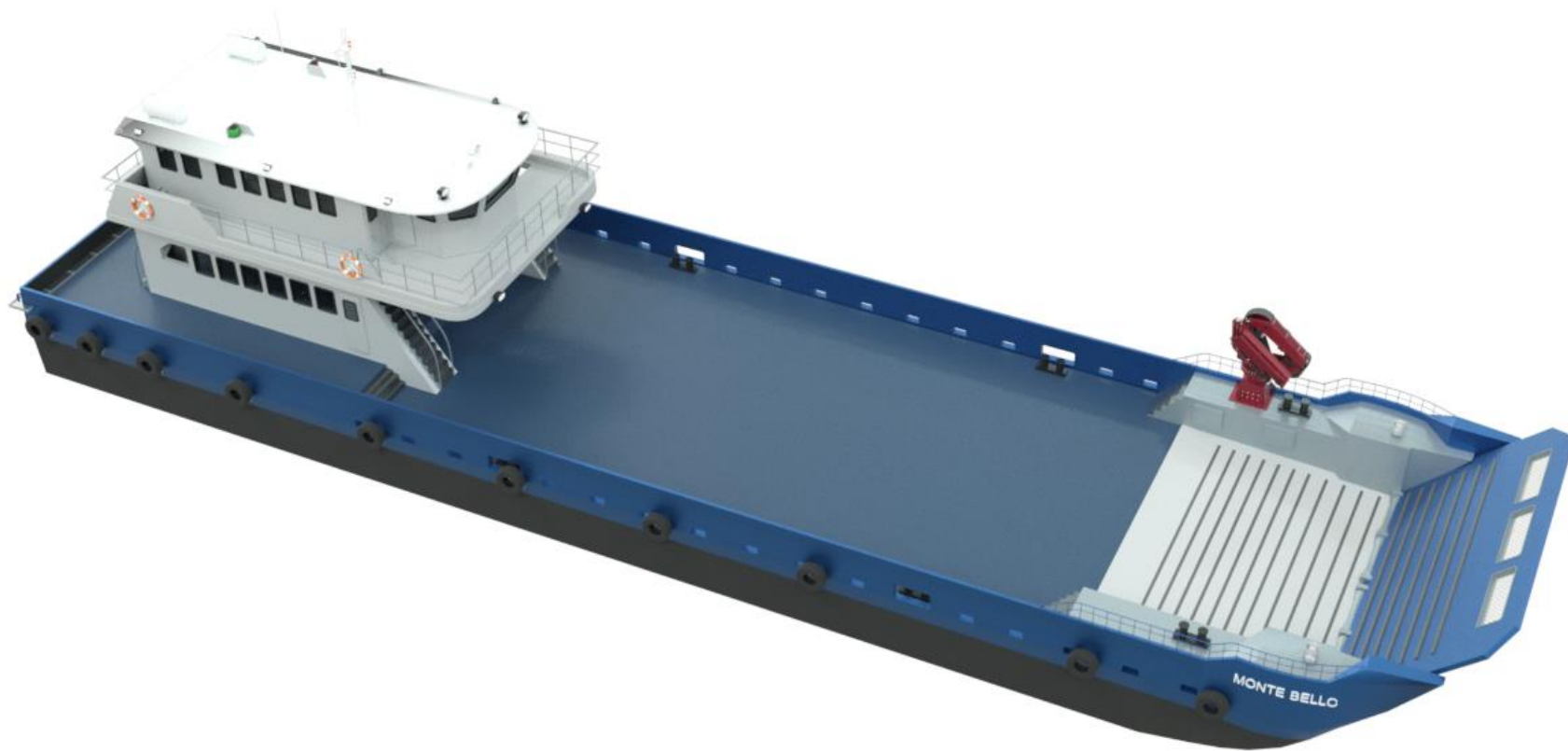
Floodlights: 2 x forward and 2 x aft

Search Lights: 2 sets

Deck Lights: 6 units recessed

CERTIFICATION

All vessels are constructed to IACS Classification under the applicable rules of the flag state of destination.



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AUSTRALIAN MARINE TECHNOLOGY

Australian Marine Technology Pty Ltd

PO Box 655, Tugan 4224 Queensland, Australia

Email: info@mocshipyard.com Web: www.mocshipyard.com