

# OFFSHORE FLOTEL VESSEL / LMG400OFV



## DESCRIPTION

This is to define the vessel concept characterised as a Floater and Service Vessel (accommodation unit), developed by LMG MARIN. The 125-m long offshore vessel is arranged with large accommodation forward and a large cargo/working/shelter deck aft. The main duty of the vessel will be to provide accommodation facilities for up to 400 offshore persons working on offshore vessels or rigs. The vessel's accommodation capacity includes cabins for up to 30 catering personnel and 20 of marine crew. There are work shops and indoor storage facilities available for the client. The vessel will also be equipped with a motion compensated sub sea knuckle boom crane and a standard offshore crane. There are large areas available for installing ROV- and diving systems. The vessel will hold a position adjacent to an FPSO, Offshore Rig or fixed installation by use of a fully redundant dynamic positioning system DP3. Access for embarkation of offshore personnel between the Accommodation Vessel and the FPSO etc. will be provided by a telescopic gangway, the gangway, when not in use, is stowed FWD on the bridge deck.



**The vessel will hold a position adjacent to an FPSO, Offshore Rig or fixed installation by use of a fully redundant dynamic positioning system.**

**Access for embarkation of offshore personnel between the Accommodation Vessel and the FPSO etc. will be provided in a safe and efficient way by a dedicated telescopic gangway.**

## Main principals:

Length overall (LOA)	125.3	m
Beam moulded	25.0	m
Depth of main deck	9.0	m
Design draft	6.5	m
Service speed	15	kn
Deck Area:	1150	m <sup>2</sup>
Fresh water Cargo	2500	m <sup>3</sup>
Marine diesel Oil	3200	m <sup>3</sup>

## Classification

DNV + 1A1, SPS (with Passenger Ship Cert.), DYNPOS-AUTRO, HELDK-SH, ICS, SF, E0, CRANE, BWM-T, COMFORT C+V Class1, CLEAN DESIGN, NAUT-AW, F-A/M/(C), FiFi I + FiFi II

## Main systems

- Dynamic Position System (DP Class 3)
- Propulsion system consisting of 4 x 3700kW diesel electric gensets, 6.6kV-60Hz.
- 2 of 3500kW thrusters aft, 2off 1500kW tunnel thrusters fwd, 1 off 1600kW retractable thruster fwd
- FiFi I + II systems, 2 cannons on Port side wheelhouse top
- FW production capacity 2x75t.



### CRANES & GANGWAY

Large subsea knuckle-boom crane, Winch 150T single line with min 2000m wire, Range SWL150t at Rmax 10m and SWL10t at Rmax 36m. Deck service crane with SWL 7t at Rmax 45m.

Large gangway system for access and transfer of offshore personnel, telescopic gangway with min/max range 30/43m. This gangway will have two foundations and can thus be fitted amidships on the Port side (like shown on the pictures) or at the aft on SB side, thereby being able to service installations at the aft and on both SB and Port sides. The gangway can be moved between the aft and amidships positions by using the 150t crane.

On SB side there is a 25 m Long Gangway to serve crew boats.



### DECK, STORAGE & WORKSHOPS

Large main deck for storage and work operations 1150 m<sup>2</sup>. Weather tight hatch down to large work-and storage deck below of 900 m<sup>2</sup>, with sufficient heights for moving containers. Sheltered under-deck workshops of 220 m<sup>2</sup> for carrying out repairs to electrical components, machine shop, welding and pipe shop. Large storage hold aft of engine rooms Manifolds for delivery of Fuel and Fresh Water.

Container lay down and securing points in deck. Deck outlets for electrical power, water and work air.



### HELICOPTER FACILITIES

Complete helideck for S92 and S-61 or equivalent, with all required refueling, navigational and safety systems.

Helicopter lounge in accommodation, with efficient and easy vertical access to helideck by personnel lift.

Refueling systems.



### ACCOMMODATION & UTILITIES

The accommodation is well insulated from main machinery, giving very low noise and vibration levels.

The capacity is 190 double cabins and 10 single cabins (also fitted with pullman bunks) / general area double 11.4 m<sup>2</sup> / single 18 m<sup>2</sup>. All cabins have sanitary room with WC, washbasin and shower. A large portion is outside cabins with window.

The accommodation is equipped with a powerful air condition and ventilation system with redundant main components for ensuring a high degree of operability.

The catering deck is equipped with a large pleasant mess room with a seated capacity of 50% of the total number of people onboard. The mess has buffet arrangement for hot and cold meals, and efficient serving arrangements. All logistics for catering is located on the same deck.

The accommodation features:



Hospital	( 4 Persons)
Large mess room	(204 Persons)
Non Smokers Lounge I	( 82 Persons)
Non Smokers Lounge II	( 48 Persons)
Smokers Lounge I	( 36 Persons)
Smokers Lounge II	( 40 Persons)
Cinema	( 84 Persons)
Shop	
Offices 2 man each	( 10 offices)
3 x Conference rooms	
2 x PC Centre	( 12 Persons each)
Laundry facilities	