

Semi-1 and Semi-2

Owner Mantenimiento Marino de México
Builder van der Giessen-de Noord Holland
Delivered June 1987, March 1988

Description

The vessels are designed to provide a stable and spacious work platform from which to undertake both topside and subsea projects. The vessels are equipped with a fully redundant DP system and a 6 point mooring spread.

For the Inspection, Maintenance and Repair (MR) and construction and installation work the vessels are provided with:

- A fixed accommodation for up to 150 persons
- A 225 ton masthead crane
- A 10 ton knuckle boom deck crane
- A telescopic gangway
- A 1,200 m² net deck area

Dimensions

Lower hulls (two):

Length oa	54.00 m
Depth	6.60 m
Width (each)	12.48 m
Beam oa incl anchor racks	49.00 m

Main deck:

Length oa	50.00 m
Beam moulded	43.20 m
Clear deck area	1,200 m ²

Height/length:

Keel to main deck	22.60 m
Main deck to helideck	11.00 m
Main deck to top of crane	28.50 m
length oa complete unit	63.45 m



Draught:

Draught operational	12.60 m
Draught transit/ survival	6.20 m

Displacement/payload:

Transit/survival displacement	7,440 t
Operational displacement	11,250 t
Variable payload	1,750 t

Class and regulations

Lloyds Register of Shipping OU 100 A1 LMC UMS DP (AA) PC
column stabilized multi/ purpose vessel

GustoMSC services

Project stage:

- Conceptual design studies
- Basic design package
- Class approval by Lloyd's Register of Shipping
- Project management of model testing and wind tunnel testing

Construction stage:

- Detailed studies on DP and mooring spread capabilities, inclusive transient motions
- Engineering assistance to the shipyard for special design studies
- Preparation of a computerized Operation Support System, for stability, loading conditions, DP and mooring
- Preparation of the Operation Manual
- Failure Mode Effect Analysis of major systems
- Design of the telescopic gangway

The Netherlands

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Machinery

Main engines	2 x 3 Stork 6 SW 280 diesels output 1,895 kW (2,600 hp) each, total 11,370 kW
Alternators	2 x 3 2,250 kVA, 6 kV, 3 phase, 60 Hz 2 switchboards

Auxiliary engines

Standby generator set	1 x 440 kW, 550 kVA, 440 V, 60 Hz
Emergency generator set	1 x 90 kW, 120 kVA, 440 V, 60 Hz
Transformers	2 x 1,600 kVA, 6 kV to 440 V

Propulsion

Azimuthing thrusters	4 x 1,250 / 1,375 kW
Tunnel thrusters	2 x 1,250 / 1,375 kW

Design conditions

Survival	
Waves	36.00 m
Wind	36.00 m/s
Current	1.54 m/s
Operating	
Waves	10.00 m
Wind	36.00 m/s
Current	1.54 m/s

Data presented in this product sheet is for information only. Unit specific specifications as provided by the Owner shall prevail.

