



Aquarius II

General:

The vessel is a Dynamic Position (DP) 3 steel hulled accommodation and maintenance vessel, with three (3) stern thrusters, for propulsion and DP, three (3) retractable azimuth thrusters and one (1) tunnel thruster at the bow for DP, intended for international offshore operation in warm and temperate waters. The WCFDI (Worst-Case Failure Design Intent), for the DP system, is the loss of two (2) thrusters (one aft and one fore) achieved by automatic changeover of the tunnel thruster.

The vessel will operate on DP-mode with the heave compensated gangway connected to a fixed, semi-submersible – or FPSO (Floating Production Storage and Offloading) types of offshore installations. The vessel is certified as a passenger ship for 500 passengers on international voyages and, additionally and certified according to the Code of Safety for Special Purpose Ships 2008 (SPS Code 2008) for 500 special personnel.

Main Particulars:

Length o.a.	180.45 m
Length p.p.	168.70 m
Breadth moulded	25.40 m
Depth to main deck	8.70 m
Draft, design	6.50 m
Draft, Scantling	6.70 m
Deadweight (max.)	4,540 t

Capacity:

No. of persons on board	590 pers
Diesel Oil	1,682 m ³
Lub Oil	61 m ³
Fresh Water	760 m ³
Technical Fresh Water	335 m ³
Grey Water	483 m ³

Speed:

Service speed	20.00/22.00 kn
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Machinery and Equipment:

Diesel generators	6 x 4,300 kW
Emergency diesel generator	1 x 1,000 kW
Azipod	3 x 7,500 kW
Retractable azimuth thruster	
Tunnel thruster	1 x 850 kW
Knuckle boom deck crane	
Heave- compensated gangway	
Helideck	

Miscellaneous:

Classification	Bureau Veritas
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Scope of Work:

Concept Evaluation and Basic Design:
 - General Naval Architecture
 - Structural Design
 - Outfitting Design
 - Machinery Design
 - Engine Room Piping
 - Hull Piping
 - Electrical Design

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