

OFFSHORE SUPPORT VESSEL IHC OSV T3000-20



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IHC OSV T3000-20

Royal IHC has developed a next generation offshore support vessel. Combining the latest technology on a compact platform for lowest total cost of ownership, the IHC OSV T3000-20 offers a high capacity construction vessel on the smallest possible footprint, taking into account the latest technologies to optimise total cost of ownership.

PINNACLE OF PERFORMANCE

The vessel is designed in line with IHC's Pinnacle of Performance design philosophy, putting substantial emphasis on crew comfort and efficiency. The vessels workflow has been designed with maximum efficiency in mind while accommodation areas have been separated and offer a high degree of comfort.

HIGH CAPABILITY, SMALL FOOTPRINT

The vessel has been optimised for ROV and light construction operations. A dedicated covered moonpool for the work-class ROV's and the integration of the subsea crane result in substantial enhancement in workability. IHC's proven hull form has been systematically verified and improved based on a strong track record. The power and propulsion package is a highly redundant fuel efficient hybrid system which significantly reduces maintenance costs and combines best of AC and DC grids, whilst having outstanding station-keeping abilities.



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SPECIFICATIONS

Notation: DNV GL

±1A, Offshore service vessel, SPS, DYNPOS- (AUTR), NAUT (OSV), E0, ER, BATTERY (POWER), COMF (C-3, V-3), CLEAN (DESIGN, TIER III), BWM (-T), DK (+), BIS, HELDK

Length overall	97.12m
Length between perpendicular	90.10m
Breadth	20.00m
Depth	9.00m
Design draught	6.00m

Crane	120t Active Heave Compensated
Moonpool	1x ROV moonpool 1x work moonpool
ROV Facilities	2x WROV (one over-the-side, one ROV moonpool)
Maximum complement	88 persons
DP	2
DP capability	Level 1 (9, 7, 7, 6)

PROPULSION

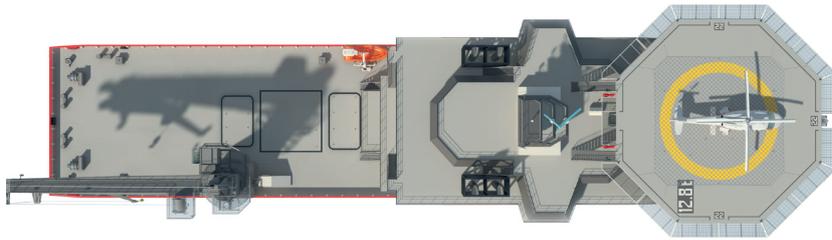
2x Azimuth thruster aft of 2,500kW
1x retractable Azimuth thruster of 1,500kW
2x tunnel thruster of 1,400kW

POWER GENERATION

2x main generator of 2,280kWe
1x 1,500kWh energy storage system
2x main generator of 1,710kWe

ELECTRICAL SYSTEM

Mixed AC/DC grids
High fault tolerant
High redundancy
Maximum use of off-the-shelf components
Distributed energy storage system (maximum use of batteries)



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