

INDEPENDENT INNOVATIVE SOLUTIONS



OSD-IMT9662 WINDFARM SERVICE OPERATIONAL VESSEL

GENERAL INFORMATION

Vessel Type	Service Operation Vessel	
Class	DNV GL,+1A, E0, Clean, Dynpos DP2,Com- C(3) V(3),Windfarm Service Operation Vessel, SPS(120)	
LOA	86.00	m
LBP	79.20	m
Beam	18.00	m
Depth	7.55/11.00	m
Summer Load Draught	5.00	m
Deadweight	2000 tonnes approximately	

CAPACITIES

Clear Deck Area	430	m ² @ 5 tonnes/m ²
Ships Fuel Oil	1100	m ³ at 98%
Potable Fresh Water	320	m ³ at 98%
Tech Humidity Cont. Stores	215	m ²
Tech. Workshops Area	65	m ²
Roll Reduction System	Active Roll Reduction system	

ACCOMMODATION

Complement	90 Persons	
	4x	Officer's suites,
	16x	single crew cabins,
	4x	twin crew cabins,
	44x	single technician cabins
	24x	single/twin technician cabins all fitted with private en-suite toilets
	Auditorium/Cinema, Technicians TV Lounge Technicians Recreation Room, Technicians Mess Room, Smokers Lounge, Crew Lounge/Recreation Room, Galley ,2x Meeting Rooms,	

Conference Room, 4x Client Offices,Ship's Office, Gymnasium Clean laundry and drying facilities, Workwear laundry and drying facilities
Male and female changing rooms, Hospital.

DIESEL-ELECTRIC PROPULSION CONFIGURATION

Battery Hybrid System	upon request	
Main Generators:	4x	1750 kW @ 720 rpm
Main Propulsion	2x	1500 kW Azimuth Thrusters
Electric System	60Hrtz,690v/440v/220v	
Emergency/Harbor		
Generator	1x	350 kWe @ 1800 rpm
Bow Thrusters	2x	1000 kW
Retractable Thruster Fwd	1x	800 kW
Trial Speed	14.0	knots

EQUIPMENT

Access Gangway	25 m - telescopic, motion compensated	
Pallet Lift	1000kg SWL	
Spares Transfer Trolley	1000kg along gangway from pallet lift	
General Cargo Crane	1x	5000 kg @28 m c\w 3d motion compensation tool
Stores Crane	1x	2000 kg @ 10 m
FR/MOB Boat	1x	7.5m long
Workboat	1x	120m long monohull Crew transfer boat
Davits	1x	12t and 1 x 3.5t heave compensated
Life boats	2x	45 man capacity c\w davit
Life rafts	6x	16 man capacity c\w davit

DECK MACHINERY

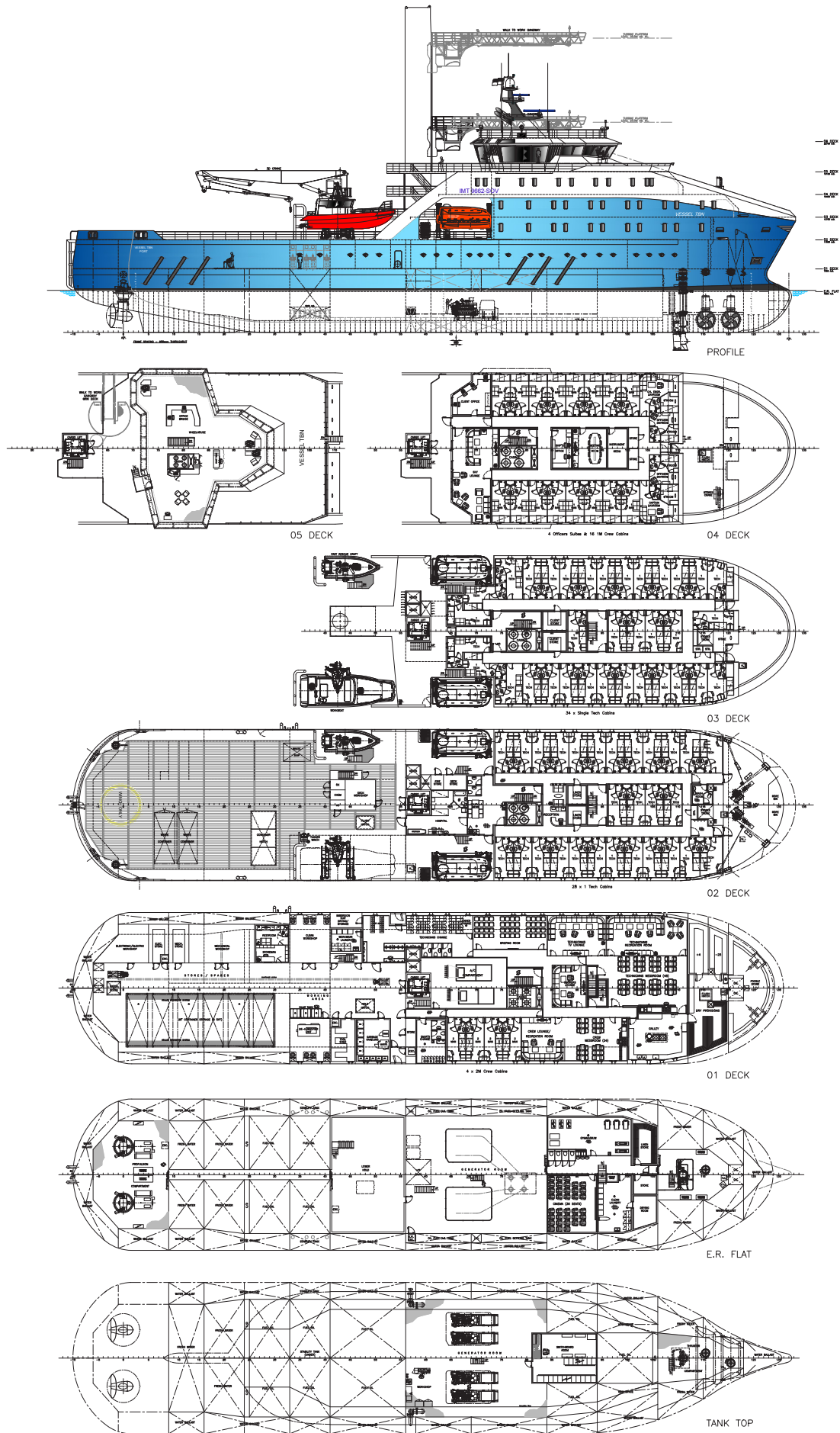
Tugger Winches	1x	10 tonnes, 250 m 22 mm wire
Capstan	2x	5 tonnes pull @ 0-15 m/min
Windlass	2x	Cable Lifters, 2x Warp Heads

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SHIP DESIGN & MARINE CONSULTANCY

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