

INDEPENDENT INNOVATIVE SOLUTIONS



OSD-IMT2003 GEOTECHNICAL RESEARCH VESSEL

GENERAL INFORMATION

Vessel Type	Geotechnical Research Vessel
Class	DNV-GL or equivalent IACS member
Notation	DNV-GL A1, R0, E0, Silent-A, Silent-S, Dynpos-AUT
LOA	68.66 m
LBP	60.57 m
Beam	15.00 m
Depth	6.50 m
Design Draft	3.00 m
Speed (Cruise)	10 knots
Speed (Max)	12 knots
Endurance	15 days

CAPACITIES

Clear Deck Area	320 m ² (Excluding the mezzanine deck)
Deck Loading	8 t/m ²
Ships Fuel Oil	72 m ³
Fresh Water	40 m ³
F.W maker	12 tonnes/day

ACCOMMODATION

Complement 34
Galley, combined officers and crew's mess, crew lounge, officer's lounge, dry and refrigerated provisions stores, ships office, online room, offline room, laundry, drying room, gymnasium, change rooms, lockers, store rooms etc.

LABORATORIES AND SCIENTIFIC SPACES

Geotechnical Laboratory, Geotechnical Workshop, Drilling Cabin, Data Acquisition Laboratory, CTP Room, Core Storage Room

DIESEL ELECTRIC PROPULSION CONFIGURATION

Main Generator Sets	3x 750 ekW @ 900 rpm
Propulsion Motors	2x 800 ekW Electric Motor
Steerable Azimuth Units	2x 4 Blade FP/Nozzles
Harbor Set	1x 350 ekW @ 1800 rpm
Emergency Generator	1x 150 ekW @ 1800 rpm
Bow Thruster	1x 600 ekW

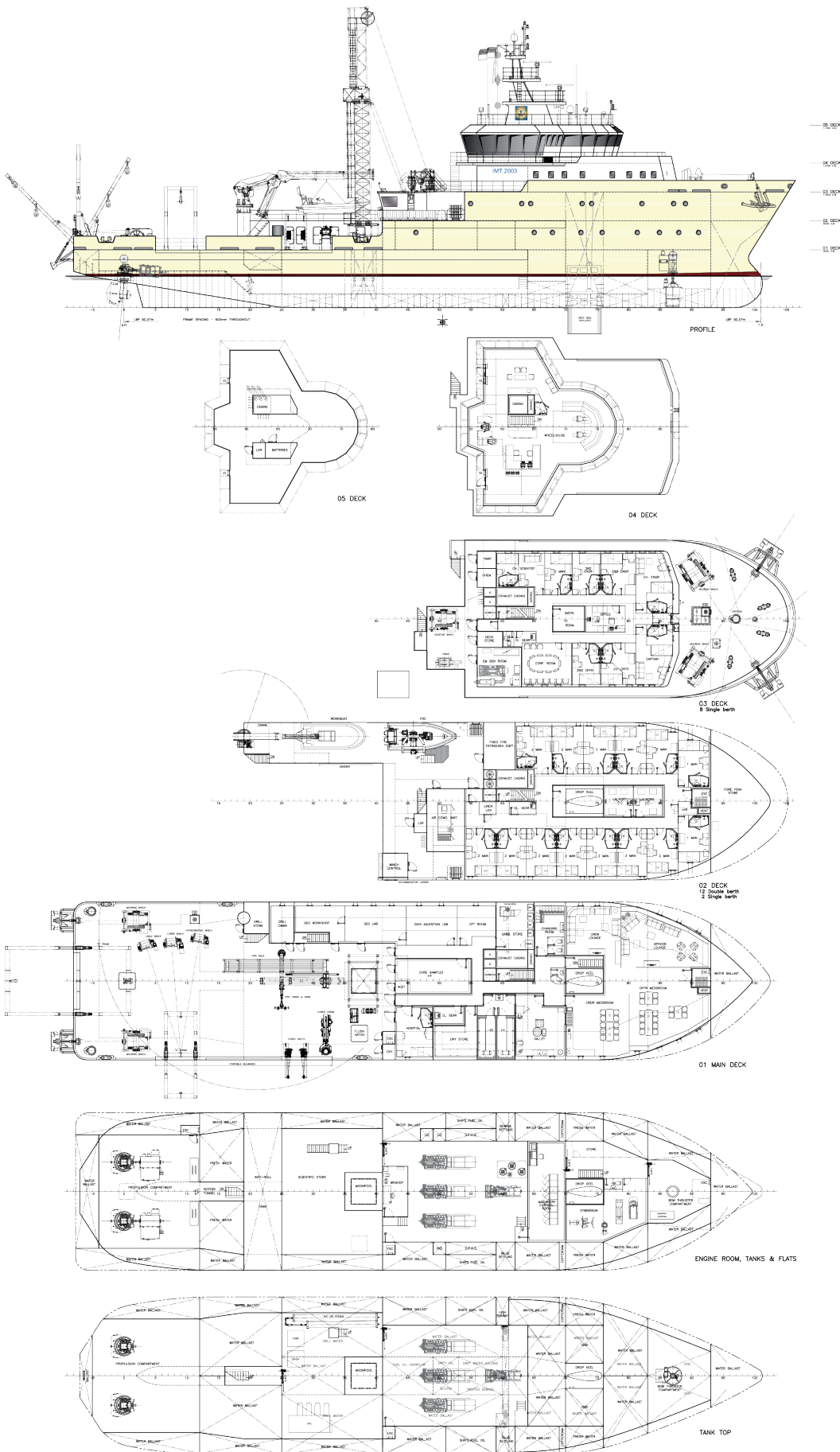
DECK MACHINERY

Moonpool	min 2400 x 2400
Cable Winch	600 m 6.4 mm wire, pull 5 kN
Hydrographic Winch	600 m 6.0 mm wire, pull 7.5 kN
Oceanographic Winch (Corer)	600 m 14 mm wire, pull 50 kN
Main deck crane	SWL 5 tonnes @ 12 m outreach
Provision Crane	SWL 2 tonnes @ 4 m outreach from ship side
Side Handling A-Frame	SWL 80 kN
Core Handling Crane	Adjacent to Side Handling A-Frame
Core Handling Davits	2 x adjacent to Core Handling Crane
Survey Equipment Stern Frame	SWL 80 kN
Scientific Drilling/ Coring System	Heave compensated Drilling/ Coring system

SURVEY EQUIPMENT

Standard Survey Package
Single Beam Echo Sounder
Side Scan Sonar
Sub Bottom Profiler
Multi-beam Echo Sounder
Acoustic Doppler Current Profiling System
Monitoring Hydrophone

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