

MULTI-PURPOSE SURVEY & SUPPORT VESSEL

MPSV RELUME



The **MPSV Relume** is a DP2 vessel with an ample working deck, a 25-tonne crane and advanced survey equipment. This multitask specification ensures that the Relume is able to fully service a diverse range of maritime needs, including offshore operations. She has been specifically designed to facilitate the delivery of a wide range of services, including marine geophysical, geotechnical, environmental & UXO surveying, as well as offshore construction support services.



MAIN FEATURES

VESSEL IDENTIFICATION & MAIN PARTICULARS

Vessel Name	RELUME
Owner	International Foundation for Aids to Navigation (IFAN)
Manager	MENAS Marine Services Ltd.
Builder	Damen Shipyards, Vlissingen, Holland
Year of Build	2004
Flag	Bahamas
Port of registry	Nassau
IMO No	9280720
Call sign	C6TR4
Classification	Lloyd's Register ✕ LMC 100A1 UMS, DP (AA), NAV, IBS. SPS Code compliant

PRINCIPAL DIMENSIONS

Length Overall	82.60 m
Breadth Moulded	16.50 m
Depth Moulded to Main Deck	6.80 m
Design Draft	4.00 m
Max Draft	4.50 m
Deadweight (maximum)	1500 tonnes
GRT / NRT	3526 / 1057

VESSEL SPECIFICATIONS

FUEL CONSUMPTION

Speed	13 m ³ per day @ 11 knots / 15 m ³ per day @ 13 knots
Class 2 DP Operations	5–6 m ³ per day

CAPABILITIES

Service Speed	0 – 13 knots
Diesel Generating Plant	2 x 8L20 8-cylinder 900 rpm Wartsila Diesel Engines of 1317 Kw (1625 kVa) ea 2 x 8L20 6-cylinder 900 rpm Wartsila Diesel Engines of 988 Kw (1250 kVa) ea 1 Caterpillar Emergency Diesel Alternator of 145 Kw capacity 2 x 4L20 4-cylinder 900 rpm Wartsila Diesel Engines of 420 Kw capacity each for Crane and Deck Power

TANK CAPACITIES

Fuel Oil	540 m ³
Ballast / Freshwater	835 m ³
Potable Water	146 m ³
Fresh Water Makers	2 x SW 8040 / 03 Reverse Osmosis Water Makers - ea rated output 40 m ³ / 24hrs

PROPULSION SYSTEMS

- ◆ 2x Rolls Royce (Aquamaster) Azimuth units of 1500 Kw each
- ◆ 2x Rolls Royce (Kamewa) Bow Tunnel Thruster units of 700 Kw each

DYNAMIC POSITIONING SYSTEM

- ◆ Kongsberg Simrad K-POS system to Lloyd's DP (AA) standard
- ◆ Kongsberg Simrad HiPAP 501 HPR
- ◆ 3x DGPS (IALA, C-Nav 3050 & Veripos ULTRA)
- ◆ 2x Wind Sensors Young
- ◆ 2x MRU
- ◆ 3x Gyro
- ◆ Tautwire Bandak LTW MK14B System
- ◆ Kongsberg Radius 1000
- ◆ FMEA, DP Capability Analysis and Annual Trials – Petrofac, Aberdeen



VESEL SPECIFICATIONS

BRIDGE SYSTEMS & COMMUNICATIONS

- ◆ Litton Sperry System to Lloyd's NAV1
- ◆ SatMarin KU Band Unlimited Azimuth Transmit/Receive System
- ◆ Fleet 77 and Sat C fully integrated communications system
- ◆ IBS
- ◆ ECDIS
- ◆ 3x Gyro
- ◆ Kongsberg Simrad installation, EA 600 Single Beam with EM 3000 multi-beam
- ◆ Kongsberg Neptune, C-floor, Triton and Poseidon
- ◆ 1 x Sonar CH37, Furuno



CRANEAGE FACILITIES

- ◆ 1 x 25-tonne crane @ 12m (12 tonnes @ 20m) – Active heave compensated – Knuckle boom Main Crane, starboard- mounted. Subsea rated 1000 m
- ◆ 1 x 13 tonne crane – General Purpose Telescopic Crane, port side-mounted

ACCOMMODATIONS

- ◆ 10 x single berth Officers cabins
- ◆ 28 x twin berth cabins
- ◆ 21 x twin berth cabins available for client use
- ◆ 2 x Client Offices, Operations room, Conference Room
- ◆ TOTAL POB: 66

WORKING DECK LAYOUT

Deck area	Approx 500 m ²
Max Deck Loading	5 tonne/m ²
Deck area	Container locator points across deck