Research & Survey Vessel

The oceanographic vessel R/V Med Surveyor is fully equipped with a Hull Mounted Multibeam Echosounder (ELAC 3030), along with the latest technology of electronic equipment for Bathymetric and Oceanographic Surveys. A large array of winches and A-frames can support all types of survey and research equipment while the dedicated spaces onboard allow set up of every kind of scientific laboratory and accommodation of up to 19 passengers additional to the vessel’s crew. The ship can support ROV operations and provides a stable platform designed to cater for every research or survey operational requirement.

Key Features

- Hydrographic, Trawl, Constant Tension, Net Reel and Oceanographic Winches
- Deck crane, Three (3) A-Frames and Movable Gantry for ROV support
- 80 m² deck space of which 16m² protected deck space plus 50m² lab spaces
- 30 Person Accommodation

Hull Mounted MBES
R/V MED Surveyor
IMO: 7629946

GENERAL
Name: MED Surveyor
Type: Research & Survey Vessel
Rebuilt: 1999 / 2014
Builder: South Portland Engineering
Class: ABS
Flag: Cook Islands
Length overall: 47.2 m
Breadth: 9.1 m
Draft: 6.0 m
Service Speed: 10 knots
Endurance: 25 days
Crew: 11 pax
Accommodation: 19 pax
Displacement: 897 tons

MACHINERY
Main Engine: General Diesel EMD-567C, V-12, 1200 HP
Reduction gear: Lufkin Marine 3.22:1, two speed ahead single astern
Bow thruster: Hydraulic Omnithruster 250 HP
Main Generators: 2 x Detroit Diesel/General Motors 6VT-92, 270 kW
Emergency Gen: Perkins, 1000 series, 70 kW

CRANES & WINCHES
Telescoping Deck Crane:
Length: 10 m 3 tonnes throughout

Trawl Winch:
2 x Marine Hydraulics Inc. 119 ft/min, 10 Tonnes, 3,000 m of 1” wire rope

Oceanographic Winch:
NETEC Electrohydraulic 60 m/min @ 5 tonnes, 10 tonnes @ 30 m/min, capacity: 4,400 m of 3/4 in or 600 m of 1.0 in conducting cable

Constant Tension Winch:
NETEC Electrohydraulic, 100 m/min, 1.56 t tension 329m of 0.5 in conducting cable

Net Reel:
NETEC Diesel Hydraulic, 10 tonne, 30 m/min

Forward Hydrographic Winch:
Two Drum Almon Johnson Hydraulic, 80 m/min, 2.5 tonnes, 2,000 m of 1/4 in and 3/8 in conducting wire

Aft Hydrographic Winch:
Almon Johnson Hydraulic, 100 m/min, 2.5 tonne with 6,000 m of 1/4 or 3/8 conducting wire (Interchangeable drums)

A-FRAMES
Movable Stern Gantry
Over Side Clearance: 1.8 m
Work Area below: 3m wide by 5.2 high

Forward A-Frame, Movable
Over Side Clearance: 2.4m
Work Area below: 1.8m wide by 4m high, SWL 2.5 t

Aft A-Frame, Movable
Over Side Clearance: 2.4 m,
Work area below: 1.8m wide by 5m high. SWL 3.5 t
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NAVIGATION & PROCESSING
CNAV-3050 +Navigator III Correction signal not included & Spare unit
Online survey suite + 1 Spare
Offline Data processing suite
2 TSS DMS-05 Motion Sensor Complete with accessories
Coda DA 2000
Sound Velocity Profiler

NAVIGATION
Navigation Depth Sounder
Doppler Speed Log
X-Band and S-Band Radars, ARPA display
Digital Global Positioning System (DGPS)
Doppler Current Profiler

SPECIAL OPERATIONS FACILITIES
Wet lab: 25 m²
Dry/Chem lab: 20 m²
Protected w area: 16 m²
Scientific Freezer: Forward Main Deck, Walk-in, 5.7 m³

FUEL
Capacity: 100 tonnes
Consumption: Approx. 4800 lt/d

FRESHWATER SYSTEM
Storage Capacity: 27.6 tonnes
Evaporator: Maxim Aquafresh HJ50, 9.084 tonne/day with Everpure brominator

COMMUNICATIONS
VHF-FM Marine Band Transceivers
HF Marine Band Transceivers
HF Alarm Watch Radio Receiver (2182 kHz)
Emergency Position Indicator Radio Beacons
Search and Rescue Transponders (X-Band Radar Frequency)
Personal EPIRB (PEPIRB)
Inmarsat Standard C Radio Transceiver
Narrow Band Direct Printing Terminal
NAVTEX Receiver
Weather Fax Receiver
BNWAS

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