



R/V MED Surveyor
IMO: 7629946

Research & Survey Vessel



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The oceanographic vessel R/V Med Surveyor is fully equipped with the latest technology of electronic equipment for Oceanographic Surveys (hydrographic, geophysical, environmental, geotechnical, fishery, etc). Hull Mounted SEABEAM 3030 multibeam echo sounder collects bathymetric, corrected backscatter, sidescan and water column imaging (WCI) data in water depths of up to 7,500m. A large array of winches and A-frames can support all types of geophysical survey and research equipment such as multichannel air-guns, side scan sonar, sub-bottom profiler, gravity coring (GC) and CPT operations. The dedicated spaces onboard allow set up of every kind of scientific laboratory and accommodation of up to 15 passengers additional to the vessel's crew. The ship can support ROV & AUV operations and provides a stable platform designed to cater for every research or survey operational requirement. A small survey boat is carried on deck and can be deployed for shallow water and coastal operations while the mother ship covers the deep part of the survey. The vessel has qualified for Oil Majors on various survey campaigns and is maintained in an excellent state for Worldwide Offshore Operations.

Key Features

- Hull Mounted MBES System ELAC 3030 (7500m Depth Coverage)
- 80 m² deck space of which 16m² protected
- Deck crane, three (3) A-frames and movable gantry for ROV & AUV support
- 29 Person Accommodation
- Multibeam acquisition workstation and water column Imaging workstation (EIWA NAVIPAK)
- Full Survey Spread On-Board for Data Acquisition & Processing (DGPS/ SBP/ SSS/ Magnetometers/ CPT Spread/ PCs & Software)
- Multidiscipline Marine Survey Team to Support Survey Operations – On-Board

GENERAL

Name: MED Surveyor
Type: Research & Survey Vessel
Rebuilt: 2002 / 2014 / 2023
Builder: South Portland Engineering
Class: I.N.S.B.
Flag: Panama
Length overall: 47 m
Breadth: 9 m
Draft: 6 m
Service Speed: 9 knots
Endurance: 25 days
Crew: 11 pax
Accommodation: 29 pax
Displacement: 897 tonnes

MACHINERY

Main Engine:
General Diesel Emd-567C, V-12, 1200 Hp
Reduction Gear:
Lufkin Marine 3:1, Two Speed Ahead
Single Astern
Bow Thruster (Joystick Controlled):
Hydraulic Omnithruster 350 Hp
Main Generators:
2 X Detroit Diesel/general Motors 6vt-92, 270 Kw
Emergency Gen:
Perkins, 1000 Series, 70 Kw

FUEL

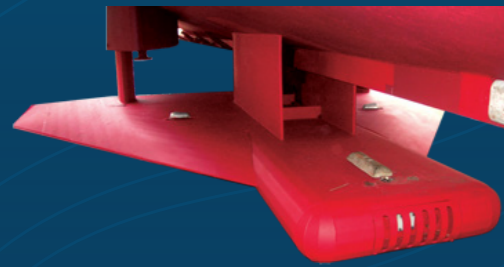
Capacity: 100 tonnes
Consumption: Approx. 4800 lt/d

FRESHWATER SYSTEM

Storage Capacity: 28 tonnes
Evaporator: Maxim Aquafresh HJ50, 9.084 tonne/day with Everpure brominator

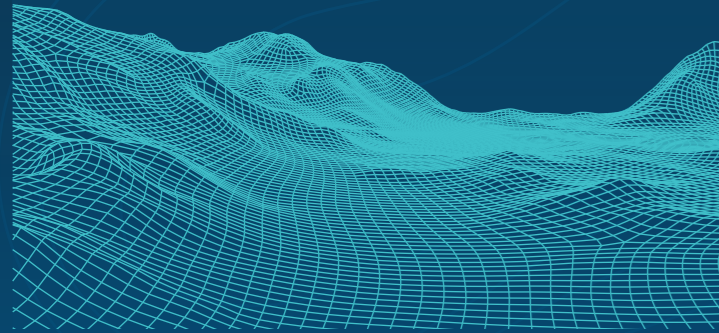
SPECIAL OPERATIONS FACILITIES

Processing Suite / Survey Office: 25 m²
Dry/Chem lab: 20 m²
Protected w area: 16 m²
Scientific Freezer: Forward Main Deck, Walk-in, 6 m³



SURVEY EQUIPMENT (Permanent)

ELAC SB3030 MBES (24kHz)
MRU: Coda F180-LT
CNav 3050
SVP
SVS



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

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
STARLINK INTERNET / DATA SERVICE

SURVEY EQUIPMENT (OPTIONAL)

USBL	Sonardyne Ranger II
MBES medium/deep water	Reason T-20P (50 kHz)
MBES shallow water	Norbit iWBMS (360-440 kHz)
SSS/SBP	Edgetech DSS2000 towfish (SSS 100-400kHz / SBP 2-16kHz)
Magnetometer	Geometrics G-882 or Seaspay
Cone Penetration	Datem 3000 CPT
Coring Equipment	Kulleberg Type Drop Corer, Vibro and Piston Corer
Multiparametric Probe/CTD	Idronaut 316 Plus or Seabird SBE19
Water Sampler	Rosette and Niskin Bottles
Remotely Operated Vehicle	Observation and Light-Work Class ROV
Autonomous Underwater Vehicle	Teledyne Gavia AUV (1000m Max Operative Depth)
EQUIPMENT IN THE PROCESSING ROOM	SonarWiz Mosaic software PlottersA0 ColourPrinters

A-FRAMES

Movable Stern Gantry

Over Side Clearance: 2 m
Work Area below: 3 m wide by 5 m high

Forward A-Frame, Movable

Over Side Clearance: 2.4 m
Work Area below: 2 m wide by 4 m high, SWL 2.5 t

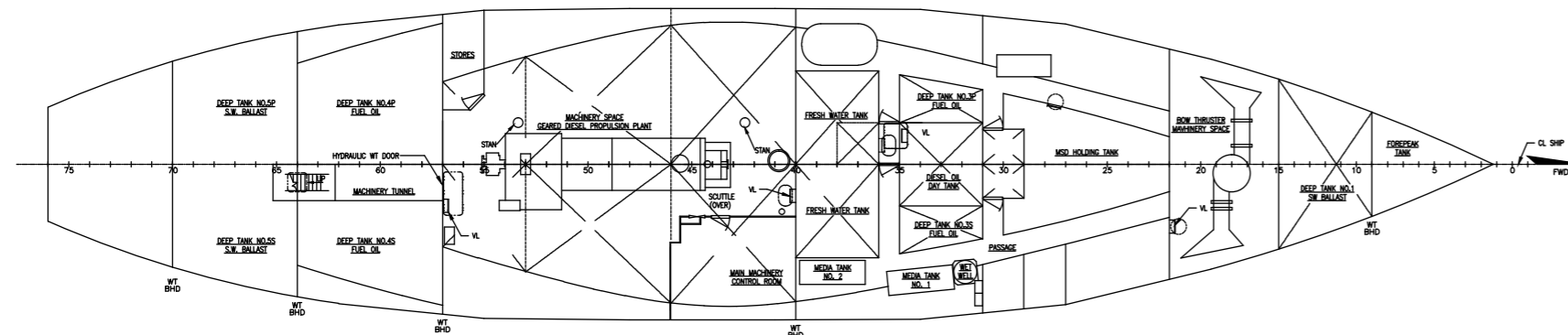
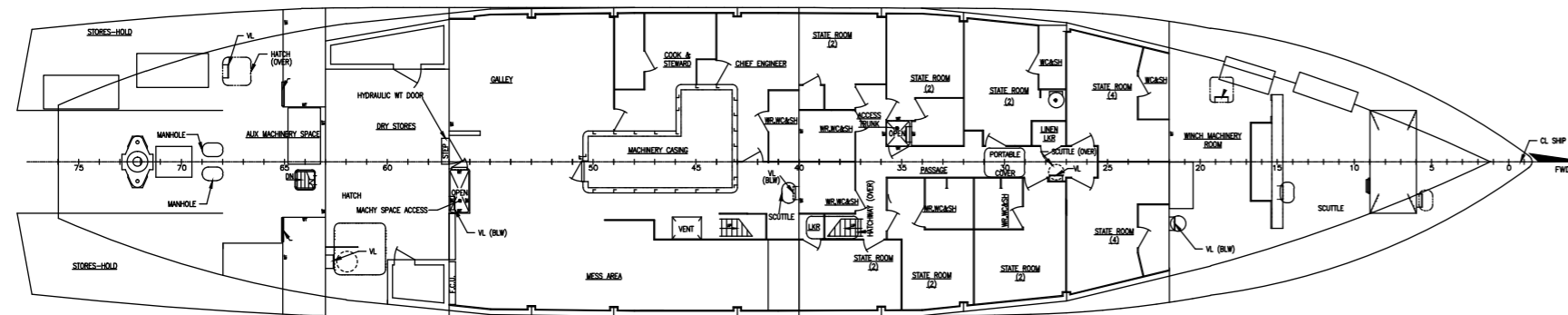
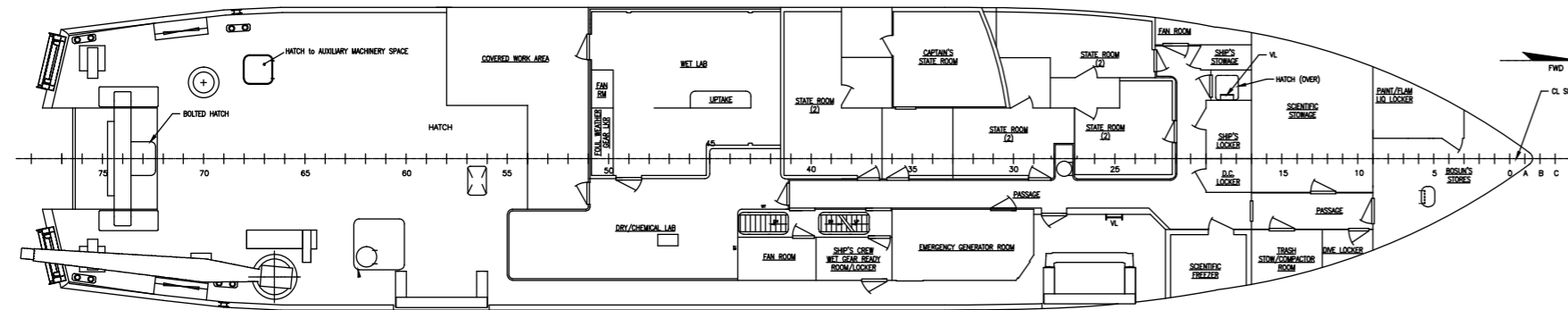
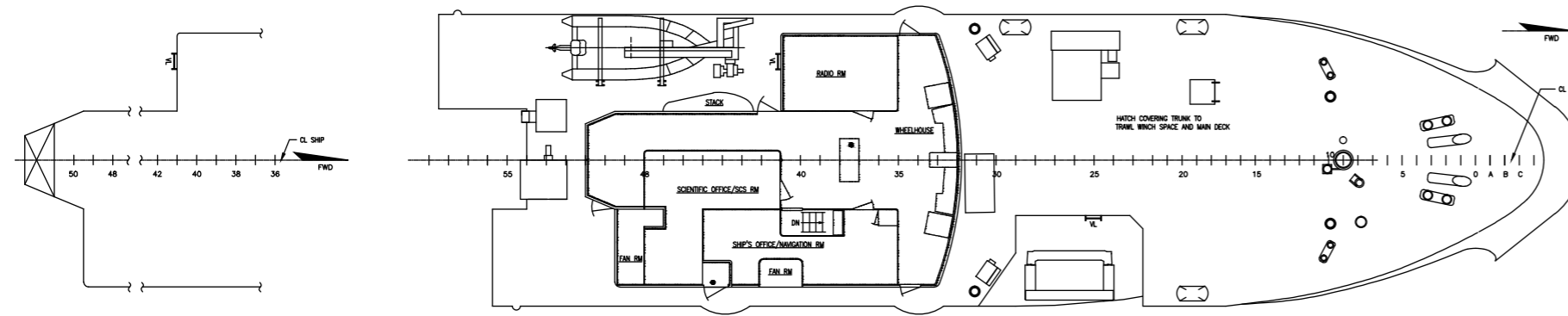
Aft A-Frame, Movable

Over Side Clearance: 2.4 m,
Work area below: 2 m wide by 5 m high. SWL 3.5 t

CRANE

Telescoping Deck Crane:

Length: 10 m 3 tonnes throughout



APPLICATIONS

- Route Surveys (Cable & Pipeline)
- Geophysical Research
- High Resolution Seabed Mapping
- Search & Rescue
- ROV and AUV explorations & Support

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