



ATLANTIC MARINE
& AVIATION



Atlantic Surveyor
Multi Purpose Offshore Support & Survey Ship

Multi Role Offshore Ship

- Research
- Safety
- Rescue
- Cargo
- Survey
- Supply
- Standby
- Guard Ship
- Dive Support
- Accommodation

Atlantic Surveyor



Name	Atlantic Surveyor
Class:	B.V. (SS Due 2014)
Type:	Offshore Multi-role survey & support ship
Call Sign:	TBA
Numbers	TBA
Built:	1974 (Netherlands)
Registry:	Liberia
L.O.A.	61 M
Bream	11.4M
Summer Draft	3.6M
Speed eco/max	10/12.5 Knots
TONNAGE	
GRT	748
NRT	224
Capacities	
Fuel Oil	65M3
Fresh Water	32M3 + 4T/day Water maker
Consumptions	5M3/day (10 knots) 1.4M3/day Standby 1M3/day Port

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Atlantic Surveyor

Principle capabilities



Endurance:

30 Days survey /standby

2750 Nmls @ 10 knots

Position keeping

Dynamic Electronic Touch Control system

Slow speed electric main thrust

Balanced & 60° side thrust rudder

Stern Thrust (5T Tunnel)

Bow Thrust (5T Tunnel)

360 retractable Azimuth Thruster (220HP)

Dynamic positioning via TAS system with DGPS referencing

210 SqM

Joystick control /DPO

Deck areas

Deck Handling & Survey

Heavy Crane

Moonpool

A Frame

FRC Davit

Survey Winch

1 x 25 Ton (15T overside) boom Crane

900mm

4 Ton SWL

1 x 3.5 Ton Hydralift

High and low speed crane winches x 2

Total 28 berths (including crew)

28 persons in 15 Cabins

All cabins fitted with Sat' TV

6 Coastal / 9 Deep sea

Bridge, Survey room, Data room, Galley,

Mess, Stores, Office

Accommodation:

Crew complement:

Principle areas

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Atlantic Surveyor

Machinery & equipment



Propulsion:

Propulsion control

Main Screw
Main Engines
360° Azimuth Thruster
Rudders
Bow Thrust
Stern Thrust
Command Positions:

Propeller (Diesel Electric thrust)

Selectable: slow speed position keeping or high speed steaming.
1800 HP Electric motor
3 x Bolnes 1755 BHP
Scania 220Hp retractable azimuth unit
1 x 60° angle side thrust rudder
5T electric thrust
5T electric thrust
1 x Bridge & 2x wing consoles

Deck & Safety (standby)

1 FRC (Fast Rescue Craft) 1 x Avon DR 6.4M 15 man R.I.B (twin engine)
1 Hydralift Davit 1 x Hydralift heave compensated davits
M.O.B. retrieval 7M Dracon Scoop & crane
Twin Anchor
Stern Tow bollard + Powered Capstan

Survey:

RESON Single Beam Survey Standard Echosound transducer
USBL pole mount
900mm Moon Pool
ROV launch hydraulic A frame
UPS power to 9 station survey room with broadband access to all areas
Magnetometer launch and tow pole.
Mini ROV (100M water depth) fitted and available on board

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Navigation & communications



Nav

Radars (2)
ECDIS

GPS (2)
Gyro / Autopilot
Echo Sounder
Navtex

Sat & Comms

GMDSS
MF/HF
UHF (3)
VHF (3)
AIS
Portable VHF
Portable UHF
Sonic Helmets
Smart Phone

2 x Colour Decca BridgeMaster ARPA

Electronic charting:

Transas worldwide +Gyro stabilised + AIS live feed

DGPS Koden GPS + Backup Koden GPS

Sperry / Robertson AP45

Reson TC 2122 33/210 KHZ

ICS Nav 5

Internet: Inmarsat Mini M (voice & data / email)

V-SAT 2 Meg Broadband + WiFi throughout the ship

Area A3 Global

Furuno 500W + DSC

3 x UHF units

2 x FM8800 GMDSS VHF, ICOM ICM 401/Furuno DSC^E

Yes

3 x Jotrun GMDSS / 6 x Entel 640 VHF

3 x Entel 880 UHF

4 x Sonic helmets Mrk 10

1 x Icom PS1



DGPS Dynamic Position Keeping

2012-07-18 17:55:00

Navigation: HDT 334.6
COG
SOG

Lat 53°35.6262 Long 000°43.402
E 3789.769 N 5955339.89

Cardinal mode: N, W, E, S

W d 1 m E

S

Wigmo marin
NSa Pilot 3D 0.4.6

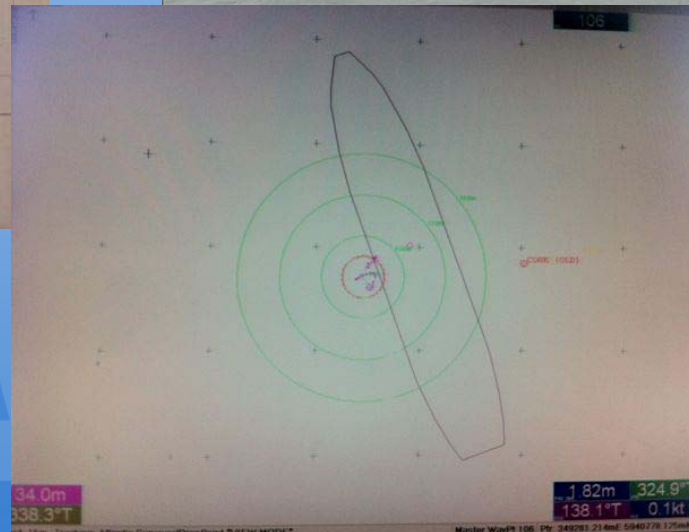
Status: DP active Track n/c

Thrust indicator

Shoed position: HDT 339
E 3796.787 N 5955344

Dynamic Positioning: HDT 4.2
E -2.895996 N 4
Athwardsh. Alongships
9 4.9

Log: 17:06:32 successful, 17:06:36 DP inactivated, 17:11:07 DP activated, 17:18:29 DP inactivated, 17:19:10 DP activated, 17:22:31 DP inactivated, 17:22:12 DP activated





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