



ATLANTIC MARINE
& AVIATION

ATLANTIC GUARDIAN

FULL SPECIFICATIONS





ATLANTIC MARINE & AVIATION



Multi Role Offshore Ship

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

Atlantic Guardian



Name	Atlantic Guardian (Ex Big Orange)
Former names:	Grampian Guardian / Amazon Guardian
Class:	ABS 100 A1 (Last SS August 2010)
Type:	Offshore Multi-role survey & support ship
Call Sign:	V3AR3
Numbers	MMSI 312132000 / IMO 8002200
Built:	1980 (Japan)
Port of registry:	Belize

DIMENSIONS

L.O.A.	57 M (190 ft)
L.B.P.	52.49M (172 ft)
Breadth moulded	12.2M (40 ft)
Draft (Loaded)	3.5M - 4.2M light/Av (Flat bottom)

TONNAGE

GRT	1112
NRT	333

Capacities

Fuel Oil	385 Tonnes (MGO connection)
Fresh Water	186 Tonnes
Endurance:	40 Days /6500 Nmls

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Principle capabilities



Position keeping

4 point mooring / Twin screw & Thrust

2 x 2T anchors fwd/ 2 x 25T tugger winches + 2 x 3.5T stern anchors aft

Deck areas

Total

225 SqM

Main loading deck

150 SqM (loading 3Tons/SqM)

Upper loading deck

75 Sq M

Deck & Equipment Handling

Crane 1

1 x 25 Ton overside hydraulic boom Crane

Crane 2

1 x 18TM (1.5 Tons@10M)

Crane 3

1 x 19TM (5 Tons over stern)

A Frame 1 (Stern)

1 x 6.5M 15t SWL Hydraulic (option)

A Frame 2 (Side)

1 x 5M 8T SWL Hydraulic (option)

FRC Davits (x2)

2 x 3.5 Ton Hydralift

Accommodation:

Total 32 berths (including crew)

17 Cabins

Crew complement:

9 Coastal / 12 Deep sea

Principle areas

Bridge, Survey room, Office,

Data room, Galley, wet lab, Lounge

Mess, 12 Seat Cinema.

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Machinery & equipment



4 Point mooring

Propulsion:

Command
Main Engines
Bow Thruster
Rudders

Generators

No1.
No2.
No3.

Deck & Safety (standby)

2 FRC (Fast Rescue Craft)
2 Hydralift Davits
M.O.B. retrieval
Cleared heli' winching area
Oil dispersant booms
Fire fighting

Windfarm

2 x 3.5T Stern Anchors + 2 ship's bow anchors
Twin Propeller (F.P.P.)

3,520 HP total

Bowthruster

Positions: fwd & aft consoles

2 x Yanmar 1755 BHP

Ulstein 450Hp Tunnel

2 x spade rudders

(380/420V 60hz AC)

500 KVA Yanmar

500 KVA Yanmar

100 KVA Yanmar

2 x Avon DR 6.4M 15 man R.I.B (twin engine)

2 x Hydralift heave compensated davits

7M Dracon Scoop & crane / Cosalt rescue basket

Cleared heli' winching area aft deck

fitted (aft deck port and stb)

full superstructure flood wash

water cannon fitted

WindCat Boarding System



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Navigation & communications



Nav

Radars (2)
ECDIS
PLB
GPS (2)
Gyro / Autopilot
Magnetic compass
Echo Sounders x 2
Navtex

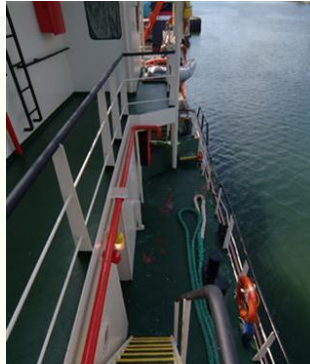
Comms

Internet
MF/HF
UHF (3)
VHF (3)
Helo (aeronautical) radio
AIS
VHF direction finders
SSAS
Portable VHF
Portable UHF
Sonic Helmets
Smart Phone
CCTV

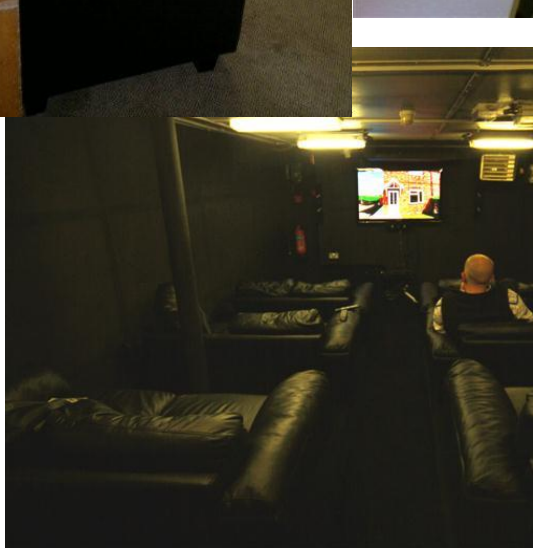
Furuno 7062 ARPA / Furuno FR 1505 ARPA
Transas worldwide +Gyro stabilised + AIS live feed
Sea Marshall PLB
Koden GPS / Furuno Mk21 GPS
Anschultz std 22
Gillie 2000
Furuno paper F863 / Koden Colour sounder
ICS Nav 5
Inmarsat Mini M (voice & data / email)
Broadband VSAT 2Meg + WiFi (European area only)
GMDSS A2 Sailor 2100
3 x UHF units
2 x FM8800 GMDSS VHF, ICOM ICM 401/Furuno DSC^E
JOTRUN
JHS 182
Taylo TDF 1550
Furuno Felcom
3 x Jotrun GMDSS / 6 x Entel 640 VHF
3 x Entel 880 UHF
4 x Sonic helmets Mrk 10
1 x Icom PS1
4 Screen / twin camera to aft deck



Deck & external



Accommodation areas



Lounge / Survey / Office



Bridge & Controls





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