



Owner Vessel Management Vessel Type Year Built Yard Built Flag State Port of Registry Official Number

**Classification Society Class Certifications** Class Number

Call Sign **IMO Number MMSI** Number Selective Calling No.

Operations **USCG** Designation

**SOLAS** 

**FCC Registration** Number (FRN) INMARSAT No.

Bold Horizon, LLC. Eclipse Group, Incl

Survey Vessel - Cargo Misc.

Atlantic Marine Shipyard United States of America

San Diego, CA 1265983

American Bureau of Shipping (ABS)

\* A1, \* AMS\*, Loadline

1265983 **WKWB** 7723821 303273000 71478 World Wide Work Vessel Pending

0025079617 (FRN)

1501554

**GENERAL** 

Maximum Endurance Maximum Range nm Maximum Speed Economic Cruising Speed

Minimum Speed Rudder

Total Horsepower

Bollard Pull Number off Propellers

Additional Thrusters

Jones Act Crew Client Berthing

Crew Nationality

Fuel

40 Days 9600 nm 10 knots 8 knots

Variable to 0 knots 2 ea. Flap Rudders

1,700 Hp

12 Total

16.7 Long Tons (Estimated) 2 ea, CCP Variable Pitch Propellers

1 ea. Bow Thruster Compliant 8 Total

United States Citizens

Low Sulfur No. 2 Marine gas oil

#### **DIMENSIONS**

Length Overall LOA Breadth Moulded **Draft Light** Loadline Draft Max. Free Board Min. Free board

ITC Gross Tonnage **ITC Net Tonnage** Registered Tonnage,

Gross

**Loaded Displacement** Lightship Displacment 170' - (52m) 36' - (11m)

9.35' - (2.85m) Lightship 12.18

ft. (3.71) 4 ft. (1.2)

2.64 ft. (0.8) - Tropical Loadline 797 tons

239 tons

202 tons 1,007 Long tons 663 Long tons

#### **GENERAL**

#### **Contact Information**

24-Hour Response Number: Vsat Satellite Phone Numbers:

In Port Ship Phone Number: \*(voip technology)

#### **Main Vessel Emails**

Managing Director: Sales Director: Vessel Manager: Bridge Email: Captain's Email:

ssaintamour@eclipse.us.com tweller@eclipse.us.com cyoung@eclipse.us.com bridge@eclipse.us.com captain@eclipse.us.com

001-410-533-3041

001-954-538-7802

001-954-538-7803

001-619-488-2383\*

### **PROPULSION/MACHINERY**

Total Horse Power Main Engines Propulsion Bow Thruster Main Generators Clean Power Emergency Power 1700 hp (1268 kW)

2 ea. Caterpillar model D398, 850 hp (634 kW) main engines

2 ea. CPP Variable Pitch Propellers

LIPS Variable-Speed Electric Tunnel Thruster 250 hp (186 kW) 2 ea. Detroit Diesel 460 VAC, 3-Phase, 230 kW generators

16.8 KW Katon "clean power" generator

Marine Diesel 1,000 gal/day (3 MT/day) est.

6 kW Onan emergency generator (port aft deck house)

### **FUEL CONSUMPTION**

Fuel Use Transit / Max Speed Fuel Use Cruising Speed Fuel Use In Port Fuel Use at San Diego Home Port

Marine Diesel 800 gal/day (2.5 MT/day) est. 72 gal/day (.25 MT/day)

Shore Power

TANK CAPACITIES

Marine Diesel Fresh Water Lube Oil Wash Water

**Desalination Plant Total Capability** 

Reverse Osmosis Plant Evaporator Plant

Sewage Treatment System

**Holding Tank** 

44,366 gal (139 MT) 2,095 gal (6.6 MT) 500 gal (1.57 MT)

6,498 gal (20.44 MT) 1,600 gal/day (6,057l/day) 800 gal/day (3,028 l/day) 800 gal/day (3,028 l/day)

MSD Type II

3,700 gal (11.64 MT)

#### **DECK FEATURES**

Free Work Deck Space

Main Working Deck 01 Deck

Total Open Deck

Deck Load

Main Working Deck

01 Deck

Maximum Cargo Capacity

Deck Tied Down Points

Main Working Deck

01 Deck

Available Deck Electrical Supply

480 VAC 208 VAC

Deck Hydraulic Connections

Hydraulic Pressure and Volume

Hydraulic Power Units Deck Fresh Water Supply Deck Salt Water Supply

Deck Pressure Washer High Pressure Air

Stern Trawl Ramp Moon Pool

Removable Cable Chute Deck Refrigeration unit

HAZMAT/Chemical Storage

1,730ft2 (160m2)

840ft2 (78m2)

2,570ft2 (238m2)

500lbs/ft2 (2.4MT/m2)

500lbs/ft2 (2.4MT/m2)

130 Long Tons

2' x 2' Baxter Bolt Pattern @ 800 lbs. ea.

2' x 2' Baxter Bolt Pattern @ 800 lbs. ea.

3 ea. 480 VAC 3 phase, 50 Amp outlet plugs 3 ea. 208 VAC 3 phase 30 Amp outlet plugs

Multiple Hydraulic Connections with Local and Remote Control Working Pressure 2200 PSI With Output of Upto 70 GPM

2 ea. Independent Hydraulic Systems Providing 100% Redundancy

2 ea. Fresh Water Hook Ups With Shore Water Supply

1 ea. Salt Water Hook Up

1 ea. Permanently Installed 2,200 PSI High Pressure Washer

2 ea. Quincy Model 325A Air Compressors 12 ft wide With Removable Deck Cap

41" Diameter Transducer Well Located on The 01 Deck

Available as needed

5' x 7' Walk-in Scientific Ref/Freezer Located Fwd of J-frame

Located on the Main Deck

## **SURVEY & DECK EQUIPMENT**

#### **Stern A-Frame W/Multiple Sheave Positions**

Tow Static Safe Working Load

Dynamic & Lifting Safe Working Load

Vertical Clearance Horizontal Clearance

Travel

#### Stbd J-Frame

Static Safe Working Load Dynamic Save Working Load

Vertical Clearance Inboard Reach Outboard Reach

### **Telescoping Deck Crane**

Max. Reach

Max. Safe Working Load

Max. Safe Working Load - 1st Extention

Max. Safe Working Load - 2nd Extention

Slew Range

#### Trawl/Survey Winch 01 Deck

Capabilities Wire Capacity Line Pull Speed

#### Hydrographic Winch

Wire Capacity Line Pull Speed

#### Hydrographic Winch

Wire Capacity Line Pull Speed

#### **Electric Vertical Capstan**

Line Pull Low Speed High Speed

#### **Hydraulic Vertical Capstan**

Static (Bollard) Pull Nominal Line Speed (FPM)

#### Hydraulic Tugger / Winch

Line Pull High Speed

Anchor & ground tackle

#### 1 ea. Ves sel A-Frame

18,000lbs (8,165kg) - Outboard against stops 12,000lbs

(5,443kg) 18.5ft (5.6m) 14ft (4.3m)

16ft (4.9m) forward of transom to 9ft (2.7m) aft of transom

#### 1 ea. Vessel J-Leg

9,200lbs (4,173kg) SWL 9,200lbs (4,173kg) SWL

17.5ft (5.3m) 5.6ft (1.7m) 7.5ft (2.3m)

#### 1 ea. Nautilus 3400-051

70ft (21m) - Pier Side, 50ft (15m) - At sea 15,000lbs (6,804kg) SWL @ 14ft (4.3m) 4.000lbs (1,814kg) SWL @ 50ft (15m) 500lbs (226kg) SWL - Pier Side Use Only

## 360 Degrees Range 1 ea. Dynacon Traction Winch

Capable of Lifting, Towing, Side Scan Sonar or ROV Operations

32,810ft (10,000m) of 9/16" cable or .680 coax or electro / fiber optic umbilical

30,000lb (13,608kg) 100 ft/min (30m/min)

#### 1 ea. Markey DUSH-6 CTD Winch

32,810ft (9,100m) 0.322" Conductor Wire (CTD) Lebus Grooving

13,734lbs (6,300kg) bottom layer

161ft/min (49m/min)

#### 1 ea. Markey DUSH-4 Hydrographic Winch

32,810ft (9,100m (10,000m)) 0.322" Conductor Wire (CTD) Lebus Grooving

13,734lbs (6,300kg) (6230 kg) bottom layer

170ft/min (51.8m/min)

#### 1 ea. New England Trawler Equipment Model X-1238 Electric Vertical Capstan

5,000lbs (2,268kg) 20ft/min (6m/min) 40ft/min (12.2m/min)

### 1 ea. Schoellhorn-Albrecht's SA1014 Vertical Capstan

35,000lbs.(15,875kg) 4 Oft/min (12.2m/min) **1 ea. Pull Master Model M** 55,060lbs (2,268 kg)

84ft/min (25.5m/min)

2 ea. 2,000lb (907kg) Navy Danforth anchors with 9 shots of 1" chain rode



## **NAVIGATION EQUIPMENT**

**Radios** 2 ea. Sperry Marine Compact VHFRadios-RT2048

2 ea. Sperry Marine Compact VHF DSC - RM2042

 $1\ ea.\ Standard\ Communications\ VHF\ Radio\ -\ GX1250S$ 

1 ea. Furuno SSB Radio - FS-1562-25 1 ea. Furuno SSB Radio - FS-1503

1 ea. Furuno MF/HF DSC Terminal - DSC-6 1 ea. Furuno MF/HF DSC Receiver - AA-50

1 ea. Simrad-Taiyo, TD-L1620 Automatic Digital Direction Finder (ADDF)

Navigation Radar 1 ea. Furuno 21X7 ARPA Radar

1 ea. Furuno 28X8 ARPA Radar

**Compasses** 2 ea. Sperry Mk 37 Gyros Compasses

1 ea. Sperry Magnetic Compass1 ea. Furuno 21X7 ARPA Radar1 ea. Furuno 28X8 ARPA Radar

**Auto Pilot** 1 ea.Robertson

**Echosounder** 1 ea. Furuno FCV-382

**Deep Water Echosounder** 1 ea. Knudsen 320B/R 3.5 and 12 kHz dual frequency

Doppler Speed Log 1 ea. Furuno DS-50

GPSs 2 ea. Furuno GP-90
1 ea. Furuno GP-36

**DGPS** 1 ea. Trimble NT 300

Weather Station 1 ea. Furuno 208 Weather System

Charting System 1 ea. Nobeltec Trident - Chart / Tracking System and Fixed Electronic

Positioning System.

Survey System 1 ea, QINSy QPS, a hydrographic data acquisition, navigation and

processing system

**Subsea Positioning System** 1 ea. Sonardyne Lodestar GyroUSBL Ultra Short Base Line Tracking System

(Rental)

**Communications** GMDSS Fully Compliant

VSAT & Fleet Broadband/LTE

Intellian v100GX V3-11A-P-Ku to Ka Band convertible antennas ystem with

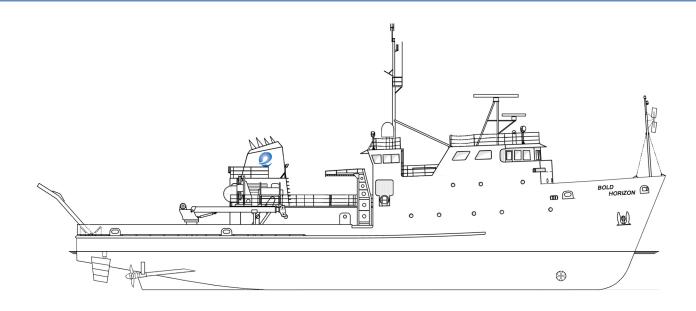
103cmreflector, X-pol and Co-pol

INMAR Sat C 1 ea. Furuno Felcom 15

1 ea. Furuno Felcom 16

High-frequency, single-side band transceivers 1 ea. ICOM M800

1 ea. Harris 230M- Continuously Monitors 2182 kHz



### **NETWORK COMMUNICATIONS**

Wi-Fi

Wi-Fi Network Security Cisco Switch network

Wi-Fi Network Security

Voice Communications

4G Lte

Intellian v100GX V3 antenna

Communications Speed

Vsat security

Video & Data Ship to Shore Communications

5.4 Ghz and 2.4 Ghz ship to shore

Vessel Video System

All Decks

iDirect platform, X5 modem currently on board uses AES256bit encryption High security vlan configurations to isolate various ships networks

(corporate, security, guest, and client networks)

Unifi 4 SSID wireless AP's, Unifi 4 SSID wireless AP's configurable as needed to each vlan in ships network. Complete ship coverage using AES encryption

2 vsat voice lines. 1 voip line will near shore

4G modem for near shore broadband network communications.

iDirect platform with X5 modem using MTN Satellite provider, System capability 1024 ship to shore and 1024 shore to ship using ka band lnb.

Burstable speeds up to 1.5 Mbps depending on satellite traffic.

Multiple VPN encryption designs to meet requirements,

Tricaster 855 16 c h video production device- capable of multiple encoding

formats to stream to shore over VSAT.

13 dbi i Onmi directiona I antenna's mounted on ships mast for near shore

WiFi connections/bridges.

Ability to monitor nine (9) interior and exterior cameras with motion sensing from any shore location.

### **INTERIOR WORKING SPACES**

Ocean Lab with Direct Deck Access

Wet Lab

Dry Lab/Survey Room 01 Office / Lab Space Conference Room All Available Lab Space 355ft2 (33m2) 160ft2 (14.8m2) 405ft2 (37.6m2) 200ft2 (18.6m2)

198ft2 (18.4m2) 1,318ft2 (122.4m2)

### **ACCOMMODATIONS**

**Total Number of Cabins** 

Single Man Staterooms Two Man Staterooms Independent cabins

**Total Number of berths** 

Crew Charterers Galley

TV Lounge / Conference Room

Office Heads

Public heads w/shower Public heads w/o shower Private heads w/shower

**Showers Public Showers** 

**Private Showers** Climate Control

Laundry

22 ea.

11 ea.

9 ea.

2 ea. Separate personnel berths for female or VIP Berthing

31 Bunks

8 ea

12 ea.

Seating for 17

12 person, 198 sq. ft. conference room with wireless internet access

200ft2 (18.6m2)

14 ea. Total:

4 ea.

2 ea. 8 ea.

12 Total:

4 ea.

8 ea.

Full A/C and heating 1 ea. Washer and Dryer





#### **SAFETY**

Life Rafts Life Rings Life Jackets Immersion Suites Immersion Suites Rescue Boat

Fire Protection

4 ea. Elliot 20-person ISSI life rafts with hydro static releases 9 ea. Life rings (seven with strobes and two with smoke) 41 ea. type III adult with lights

38 ea. Type I adult w

3 ea. Type I Adult Small (Child)

3 ea. Type I Oversize
\*\*Coming Soon\*\*

The vessel has in place a fully functional Simplex 4010 Fire Control System and equipment, including portable and semi-portable fire extinguishers, fire pumps, fire mains, fixed gas extinguishing systems. All fire detection and alarm protection systems and system components installed meet and are in accordance with USCG or SOLAS requirements.

#### **Additional Fire Protection Features:**

a) Self-priming power-driven fire pump connected to a fixed fire main piping system with a sufficient number of hydrants to reach any part of the vessel with a single length of fire hose.

b) A Halon Fixed, gaseous fire extinguishing system that serves the engine compartment

c) Kidde CO2 fixed, gaseous fire extinguishing system that serves paint locker

d) A grease extraction hood and extinguishing system that serves galley cooking equipment

e) A fire detection and alarm system or an independent modular smoke detector or fire detecting unit located in each accommodation space

f) 2 ea. SCBA with firefighting suits

Emergency positionindicating radiobeacon station (EPIRB)
Other equipment

2 ea. Category 1, 406/121.5 MHz float-free, automatically activated EPIRB detectable by satellite anywhere in the world and is recognized by GMDSS. The EPIRB is registered per the NOAA Search and Rescue Satellite Aided Tracking (SARSAT).

Emergency steering pump, five fire axes, two bolt cutters, emergency lighting, 15 emergency escape breathing devices, watertight door in cabin passageway, rescue swimmer's equipment, life sling, body basket, backboard, two line throwers, Pathfinder SART, emergency lighting system, and day shapes.

Medical

1 ea. Chemical Shower Station

4 ea. Eyewash station - Portable Sterile Bottles

2 ea. Eyewash Station - Fixed

1 ea. Automated External Defibrillator (AED)

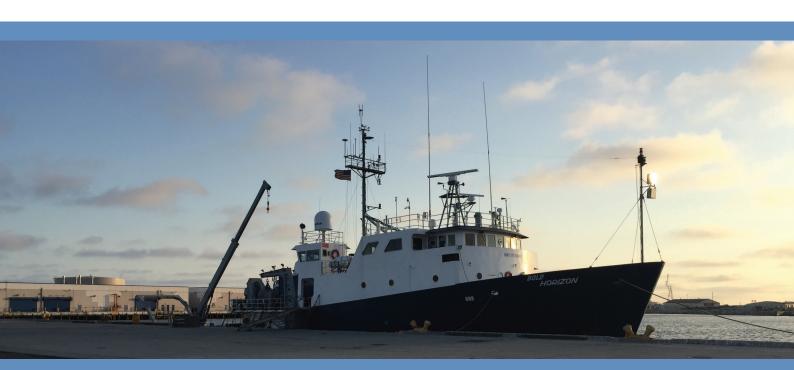
7 ea. First Aid Stations

1 ea. Medaire Ship's Medical Chest 3.0 Rx

Medical Advisory Service (MAS)

Vessel Alarm System Vessel Video Security System External siren and flashing light

16-Channel Network Video Recorder with 12 IP camera's in key locations. Remote alert configurations for motion detection and video tampering. 4 day recording capability 24/7



## **ROV SYSTEMS**

Super Mohawk Work Class ROV SERIO Observation Class ROV Optional GP60 Work Class ROV 2,000-meter rated system presently installed on the 01 Deck 300-meter rated hand launched system presently on board 6,000-meter rated stern launched system
\*Specification Sheets available upon request

## SIDESCAN SYSTEMS

Klein 3,000 Sidescan Bluefin12 Sidescan / AUV Optional BF21 Sidescan, Multi-beam AUV Optional AMS Towed Sidescan 3,000-meter rated system 1,500-meter rated system 4,500-meter rated system 6,000-meter rated system \*Specification Sheets available upon request

## **ADDITIONAL FEATURES**

Expendable Bathythermograph (XBT)

Other Vessel Features

1 ea. WTP XBT Launcher

1 ea. Surface Mounted 37.5 & 40 kHz Pinger Locator System

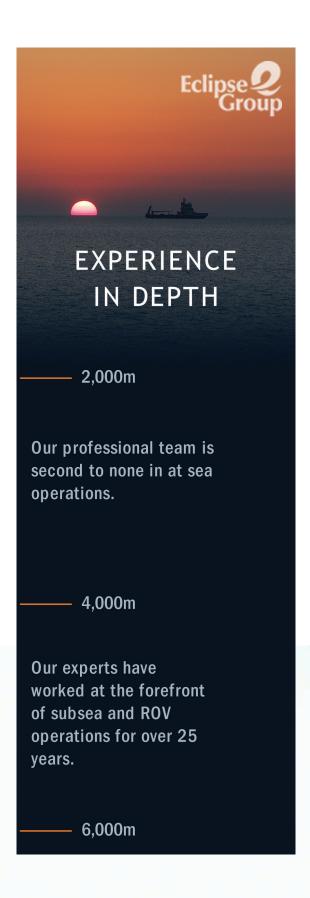
1 ea. 5ft (1.5m) by 7ft (2.1m) Refrigerated / freezer, biological containment unit

1 ea. Instrument Moon pool 42in (1.06m) diameter





## **COMPREHENSIVE SERVICES**



## Let us help you move forward

Eclipse Group strives to provide our clients with the highly qualified personnel and technical solutions.

### Our comprehensive service lines include:

- Marine services
- Vessel operations and management
- Subsea services
  - ROV operations
  - Diving operations
- Government services
- Civil and military air crash investigation
- Construction and infrastructure
  - Survey
  - Cable and pipeline installation

Our mission is to become a leader in comprehensive subsea and ROV services worldwide. We welcome the opportunity to discuss our services with your organization.

Eclipse Group, Inc. 1997 Annapolis Exchange Parkway, Suite 300 Annapolis, MD 21401, USA Tel: +1 410 533 3041 F-mail: sales@eclipse.us.com

E-mail: sales@eclipse.us.com www.eclipse.us.com

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