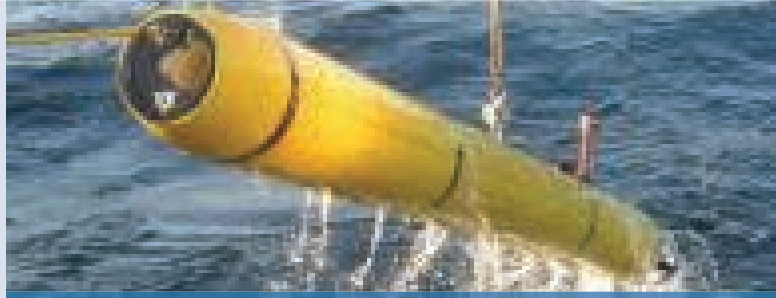


# BLUEFIN 12-D

**THE BLUEFIN-12D** is a modular autonomous underwater vehicle with flexibility that allows for swappable payloads. Not only can it dive deeper, but it has greater energy and payload capacity than its shallower counterpart. The Bluefin-12D is a combination of immense capability and efficient packaging customizable for a variety of applications.

## FEATURES

- Free-flooded modularity
- Versatile and scalable
- Accurate navigation
- Intuitive software package for ease of use



## SPECIFICATIONS\*

### HULL

|                                |   |
|--------------------------------|---|
| <b>Length</b>                  | 14 Feet   |
| <b>Weight</b>                  | < 600 Lbs.  |
| <b>Max Operating Depth</b>     | 1500 Meters   |
| <b>Endurance</b>               | > 30 Hours  |
| <b>Speed</b>                   | Up to 5 Knots   |
| <b>Ultra Short Baseline</b>    | Sonardyne AVTRAC 2  |
| <b>Doppler Velocity Log</b>    | TSS RDI 600 kHz   |
| <b>Acoustic Communications</b> | Benthos   |
| <b>Inertial Navigation</b>     | Kearfott T-24   |
| <b>Communications</b>          | Radio Frequency, GPS, Iridium, Acoustic Modem, USBL, Ethernet, RDF Beacon, Strobe |
| <b>Current Payloads</b>        | Sonar, Still Camera   |

### SONAR PAYLOAD

|                            |                                |
|----------------------------|--------------------------------|
| <b>Manufacturer/Model</b>  | Edgetech/2200                  |
| <b>Frequency</b>           | 120/410                        |
| <b>Typical Sonar Range</b> | 500 Meters/150 Meters per Side |

### STILL CAMERA PAYLOAD

|                           |   |
|---------------------------|---|
| <b>Manufacturer/Model</b> | WHOI/Custom                                 |
| <b>Flash/Lighting</b>     | Custom WHOI 180 Element Conformal LED Array |

### TOPSIDE EQUIPMENT AND OTHER

|                                 |  |
|---------------------------------|--|
| <b>Computers</b>                | Full Compliment of Planning, Tracking and Post Processing Computers                          |
| <b>IT Infrastructure</b>        | Full Compliment of Switches, Routers, Network Storage  |
| <b>Gyro Compass</b>             | TSS Meridian   |
| <b>Dynamic Motion Sensor</b>    | TSS DMS05  |
| <b>USBL</b>                     | Sonardyne Ranger   |
| <b>Acoustic Modem</b>           | Benthos  |
| <b>Tools</b>                    | Full Compliment of Tools and Test Instruments  |
| <b>Spares</b>                   | Full Compliment/Multiple Spares of most System Components and Parts                          |
| <b>Software</b>                 | Full Compliment of Software to Support the System  |
| <b>Documentation</b>            | Full Compliment of Vehicle and System Documentation, Drawings, Standard Operating Procedures |
| <b>Cases</b>                    | Shipping Cases for all Components  |
| <b>Satellite Communications</b> | KVH TracPhone 2<br>Internet/VOIP,<br>Ray Marine Direct TV                                    |
| <b>Charging Stations</b>        | Battery Charging and Vehicle Power Units   |
| <b>Miscellaneous</b>            | Full Compliment of Topside Cables, Deckboxes with Spares                                     |

### LAUNCH AND RECOVERY SYSTEM

|                           |  |
|---------------------------|--|
| <b>Manufacturer/Model</b> | Hibbard/Custom                                   |
| <b>Type</b>               | Articulating Ramp with Full Compliment of Spares |

\*The specifications listed on this data sheet are subject to change without notice and cannot be used for contractual purposes. Up-to-date specifications will be supplied on request. All details without guarantee.

# COMPREHENSIVE SERVICES



## EXPERIENCE IN DEPTH

— 2,000m

Our professional team is second to none in the execution of search, investigation and recovery operations.

— 4,000m

Our experts have worked at the forefront of subsea and ROV operations for over 25 years.

— 6,000m

### Let us help you move forward

Guice Offshore and Eclipse Group strive to provide our clients with the highly qualified personnel and technical solutions.

#### Our comprehensive service lines that include:

- Marine Services
- Vessel Operations and Management
- Subsea Services
  - ROV Operations
  - Diving Operations
- Government Services
- Civil and Military Air crash Investigation
- Construction & 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.



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