

# DIVE-LD



DIVE-LD is an Autonomous Underwater Vehicle (AUV) that brings together advanced autonomy, best-in-class vehicle performance and a low logistical footprint to deliver an innovative capability to the subsurface domain. It can rapidly integrate diverse payloads and launch from either pier or vessel to conduct a variety of multi-day mission sets.

Speed	2–8 kts
Endurance & Range	4 days (4 kts SAS Survey) 10 days (2.5 kts no payload)
Depth	Rated up to 6,000 m
Energy	93 kWh
Navigation	0.02% DT
Mass	2,700 kg
Dimension (L x H)	5.8 m (19 ft) x 1.2 m (4 ft)
Communications	Ethernet, RS-232, RS-485, RS-422
Payload Volume	Over 1 m³ of payload volume

## Unrivalled Vehicle Performance

DIVE-LD has industry leading vehicle performance that enables multi-mission capabilities for Defense and commercial use. DIVE-LD has up to 10 days endurance, is rated for full ocean depth at 6,000m, has 10x industry payload capacity and best-in-class navigational accuracy of 0.02% DT.

## Rapid Payload Customisation

DIVE-LD can integrate sensors and payloads in weeks, not months or years. Its open software, mechanical, and electrical interface allows for seamless integration and rapid reconfiguration of up to 5 different payloads at a time:

- Side Scan Sonar (SSS)
- Synthetic Aperture Sonar (SAS)
- Sub-Bottom Profiler (SBP)
- Multi-Beam Echo Sounder (MBES)
- Magnetometer
- Cameras

## Autonomy

Through autonomy, operators can conduct mission planning and have DIVE-LD autonomously launch from a pier, execute missions without communications or human intervention, and return to the pier (or to a vessel of opportunity)

## Low Logistics

DIVE-LD is uniquely designed to reduce the logistical burden required to handle, ship, deploy, and operate. DIVE-LD ships in a 20' ISO container and can be operated with as few as two to four operators and minimal equipment.

### Operational Example

