Hydrus, a fully autonomous submersible drone, will revolutionise undersea research, survey and exploration by making data capture easy, safe and affordable.

As an all-in-one autonomous solution, it is operational straight out of the box, without specific knowledge or training required. Using the simple online platform, users can plan and execute underwater missions in 3D.

Its compact size and minimal weight means it can be launched by a single person and taken as carry-on when flying.
HYDRUS
Autonomous Drone

Truly Autonomous
Hydrus takes the drone revolution underwater with the most advanced sonar, navigation, and communications systems of any subsis vehicle. It contains a DVL, USBL, INS, acoustic and optical modems, all tightly integrated. This enables highly reliable, fully autonomous underwater missions at your fingertips. It also provides obstacle detection and collision avoidance.

Small and Affordable
Hydrus condenses its advanced features into one of the smallest, and most affordable autonomous underwater vehicles on the market. Its compact size and minimal weight means it can be launched by a single person and taken as carry-on when flying.

Stunning 4K Imagery
Hydrus produces stunning imagery, even in challenging low light and harsh conditions. Equipped with a cinema-grade 4K 60 frames per second camera combined with an AI engine to analyse image quality - Hydrus can learn what it needs to capture on the fly. It can also create 3D models of underwater objects by combining imagery with its sonar and navigation data.

Simple Mission Control
Hydrus takes complex mission design out of the expert domain and into the hands of anyone that’s interested in underwater data. Users only need to access a web browser to use the online platform. Then, simply point and click using the provided map to plan underwater missions in 3D. It’s that simple.

Open Platform
Hydrus is able to integrate custom software offering full access to the camera, sensors, navigation, modems and control. The powerful and open architecture is ideal for machine vision and AI applications.

Features
- Wireless charging
- AI-enhanced INS
- Acoustic modem
- Optical modem
- Flight safe battery
- Smart lighting
- Hubless thrusters
- Connectorsless design
- E-ink screen

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Speed</td>
<td>4 knots</td>
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<tr>
<td>Range</td>
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<td>Endurance</td>
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<td>Depth Rating</td>
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<tr>
<td>Size</td>
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<tr>
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