ROV Aegir 50 (-4D/-5D/-6D)

The Aegir 50 ROV is the workhorse of Ocean Robotics inshore OBS ROVs. Bringing the same ground-breaking features as its smaller brothers, just on a bigger scale, this machine is set to deliver when the big jobs are up for grabs.

Building on and incorporating the best features both from the smaller Aegir ROVs and Ocean Robotics bigger off-shore machines, the "50" line of vehicles can handle every job in the man-portable category. Based on an XCS control system the vehicle can be delivered in several set-ups, with thruster and buoyancy layout altered to suit client needs.
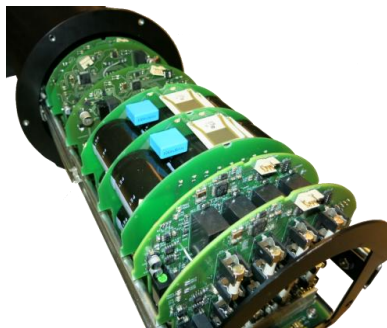
The 4D/5D/6D designations show the version:
- 4D: Completely stable machine, with buoyancy at the top and ballast at the bottom.
- 5D: Stable machine with added dynamic stabilization from thrusters (DualStability™).
- 6D: Fully un-stable vehicle, like a fighter jet able to fly in all directions and around all axes, even upside-down or nose-up.

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Aegir 50 can be equipped with the same advanced electronics pack as the larger NJORD vehicles, enabling fiber communication with Gigabit Ethernet and HD video, advanced power and isolation monitoring and connectivity for any sensor.

Aegir 50 is a highly stable platform for all kind of video and sonar work and is controlled from the lightweight portable operators' control or the integrated pilot environment. An intuitive menu system handles settings and sensor monitoring.

Aegir 50 can be docked to Ocean Robotics all-electric TMS for deep-water work or in hard environments.

Technical Specification

Length	890 - 1050mm
Width	580 - 720mm
Height	470 – 590mm
Launch weight	55 - 80kg
Payload	5-15kg
Tether diameter	Various
Depth rating	500/750/1000m
Power draw	3.3-5kW
Thrust	400-550N

Standard equipment

- BLDC thrusters
- Tilt platform (camera + lighting)
- 3 x LED 40-2K (3x100W halogen equivalent)
- Camera LWZ High Quality, 10xzoom
- Camera mini
- 1/2 live video channels
- Configurable overlay on all channels
- AUX drivers
- User A/D channels
- User RS-232/485 channels
- Intuitive operator control

Standard upgrades

- Fiber communications
- Advanced electronics pack
- Integrated operator environment
- Waterproof control unit with sunlight readable touch-screen and video capture
- Electric manipulator, Cleaning brush
- CP probe
- Scanning / 3D sonar
- HD video
- Tether handling equipment

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Specifications subject to change without notice