

CYCLOPS 1

5-Person Submersible | 500 meters



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FOR CHARTER
AND EXPLORATION TRAVEL

CYCLOPS 1: MANNED SUBMERSIBLE

<https://oceangate.com/our-subs.html>

Cyclops 1 is a research class submersible capable of taking five people to depths of 500 meters (1,640 feet) for site survey and inspection, research and data collection, film and media production, and deep sea testing of hardware and software. *Cyclops 1* is ideally suited for direct subsea monitoring, inspection and exploration.

DIRECT OBSERVATION, INSPECTION AND EXPLORATION

Cyclops 1 offers excellent undersea views through a 1.44-meter (56.85-inch) acrylic dome, which provides a wide, a 150-degree field of view with very little distortion. In addition, *Cyclops 1* is outfitted with state-of-the-art illumination and sonar navigation systems, internally and externally mounted high-definition video and photographic equipment. The interior provides ample space for additional monitoring, inspection, and data collection equipment.

LAUNCH AND RECOVERY PLATFORM

All Cyclops class submersibles are equipped with an integrated launch and recovery platform. Operated similarly to a ship dry dock, the platform is used to launch and recover manned submersibles by flooding its flotation tanks with water for a controlled descent to a depths of 3.6 to 9.14 meters (12 - 30 feet) to avoid any surface turbulence. Once submerged, the platform uses a patented motion-dampening flotation system to remain coupled to the surface yet still provide a stable underwater platform from which our manned submersibles lift off of and return to after each dive. At the conclusion of each dive, the sub lands on the submerged platform and the entire system is brought to the surface in approximately two minutes by filling the ballast tanks with air.

The launch and recovery platform is modular and easily transported using standard over-highway truck and trailer combinations. It can be cost-effectively deployed at sea because it does not require a large ship with a man-rated crane or A-frame to launch and recover the submersibles. This allows us to work in remote areas using smaller, locally available commercial ships at a much lower cost.

SPECIFICATIONS

Seating	5 persons (1 pilot + 4 crew)
Depth	500 meters (1,640 feet)
Dimensions	664 cm x 283 cm x 217 cm (21.8 ft x 9.3 ft x 7.1 ft)
Payload	567 kg (1,250 lbs)
Weight	9,075 kg (20,007 lbs)
Speed	2.5 knots
Propulsion	Four Innerspace 1002 electric thrusters: 2 vertical, 2 horizontal.
Life Support	72 hours for a crew of 5
Navigation & Sonar	Teledyne Blueview 2D and 3D sonar External HD Cameras; Rowe technology (DVL)
Lighting	Two Teledyne Bowtech LED, 40,000 lumens total output
Cameras	Internal: Canon 5D Mark III External: Multiple HD for image capture and navigation
Other	Laser scaler



Cyclops 1 submersible.



Mission Specialist taking a photo of anemones onboard Cyclops 1.