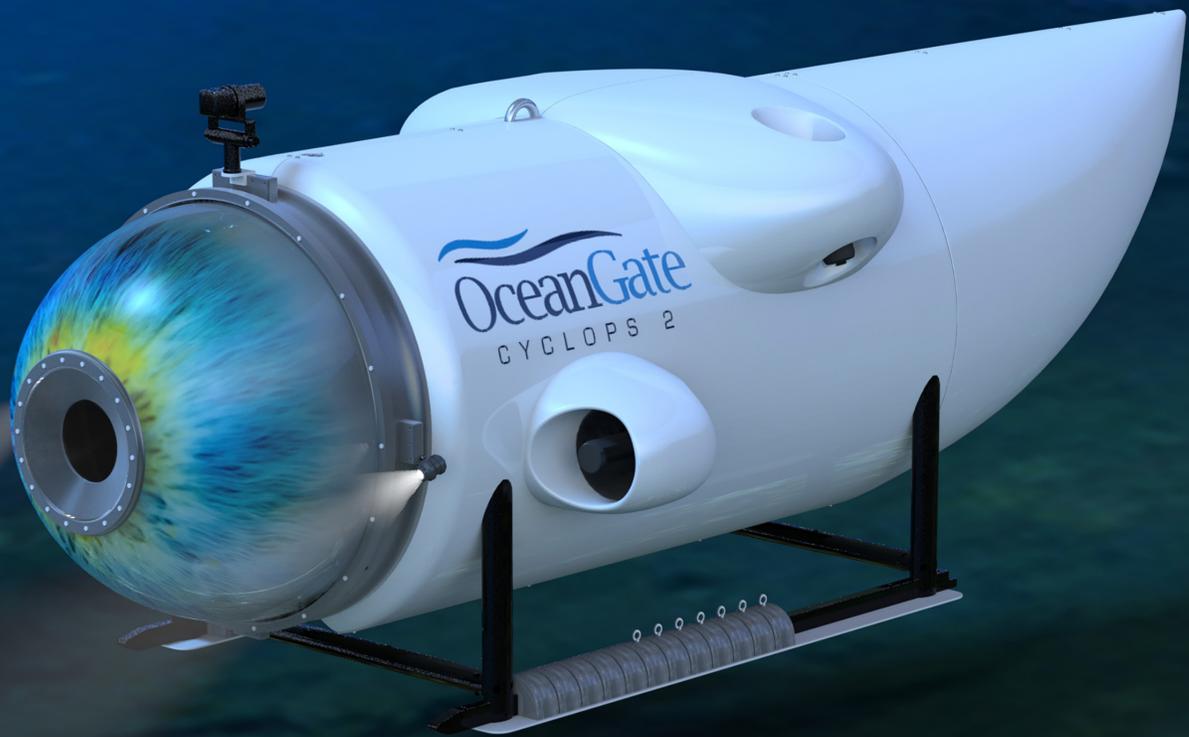


CYCLOPS 2

5-Person Submersible | 4000 meters



425.595.5013
info@oceangate.com

Manned
submersible
services for
industry,
research and
exploration.

*Scheduled for commercial debut in 2018,
Cyclops 2 is a research class submersible capable of
taking 5 crew to a depth of 4,000 meters
for exploration and discovery of nearly
half of the world's oceans.*



425.595.5013
info@oceangate.com

Manned
submersible
services for industry,
research and
exploration.

**SURVEY AND
INSPECTION**

**RESEARCH
AND DATA
COLLECTION**

**FILM AND MEDIA
PRODUCTION**

**DEEP SEA
TESTING**

CYCLOPS 2: MANNED SUBMERSIBLE

Cyclops 2 is a research class submersible designed to take five people to depths of 4000 meters (13,124 feet) for site survey and inspection, research and data collection, film and media production, and deep sea testing of hardware and software. When completed, *Cyclops 2* will be the only privately owned submersible in the world capable of diving to these depths. She is being designed and built by OceanGate, Inc. to accommodate the growing need for direct human observation, inspection and exploration in the deep ocean.

DIRECT OBSERVATION, INSPECTION AND EXPLORATION

Featuring the largest viewport of any deep diving submersible, state-of-the-art building materials, and a lightweight carbon fiber and titanium construction, *Cyclops 2* is designed to be the most advanced and mobile deep-sea manned submersible in the world. Project Cyclops was born out of the need for a diverse set of tools and technology to conduct manned exploration to depths of 4000 meters. *Cyclops 2* will be outfitted with state-of-the-art illumination systems, plus internally and externally mounted high-definition video and photographic equipment. The interior provides ample space for additional monitoring, inspection, and data collection equipment.

MOBILE SUBSEA LAUNCH AND RECOVERY SYSTEM (MS.LARS)

Operated similarly to a ship dry dock, *Ms.Lars* is used to launch and recover manned submersibles by flooding its flotation tanks with water for a controlled descent to a depths of 5 meters to avoid any surface turbulence. Once submerged, *Ms.Lars* 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 *Ms.Lars* and the entire system is brought to the surface in approximately two minutes by filling the ballast tanks with air.

Ms.Lars 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.

BENEFITS

- 5-person occupancy allows multidisciplinary teams to multi-task and collaborate during dives
- The operational depth of 4,000 meters (13,124 feet) opens access to nearly 50% of the world's ocean
- External ports and mounting positions can accommodate auxiliary sampling and survey equipment, including manipulator arm and section sampler.

SPECIFICATIONS

Seating	5 persons (1 pilot + 4 crew)
Depth	4,000 meters (13,124 feet)
Dimensions	6.7 meters x 2.8m x 2.5m (22 ft x 9.2 ft x 8.3 ft)
Payload	1,043 kg (2,300 lbs)
Weight	8,600 kg (19,000 lbs)
Speed	3 knots
Propulsion	Four Innerspace electric thrusters: 2 vertical, 2 horizontal.
Life Support	Standard: 8 hours for a crew of 5 Emergency: 96 hours for a crew of 5
Navigation	iXblue PHINS Inertial Navigation System Teledyne BlueView 2D and 3D sonar
Lighting	Two Teledyne Bowtech LED, 40,000 lumens total output
Cameras	Internal: Canon 5D Mark II External: multiple HD for image capture and navigation
Other	Laser scaler



Cyclops 2



Cyclops 2 call out.