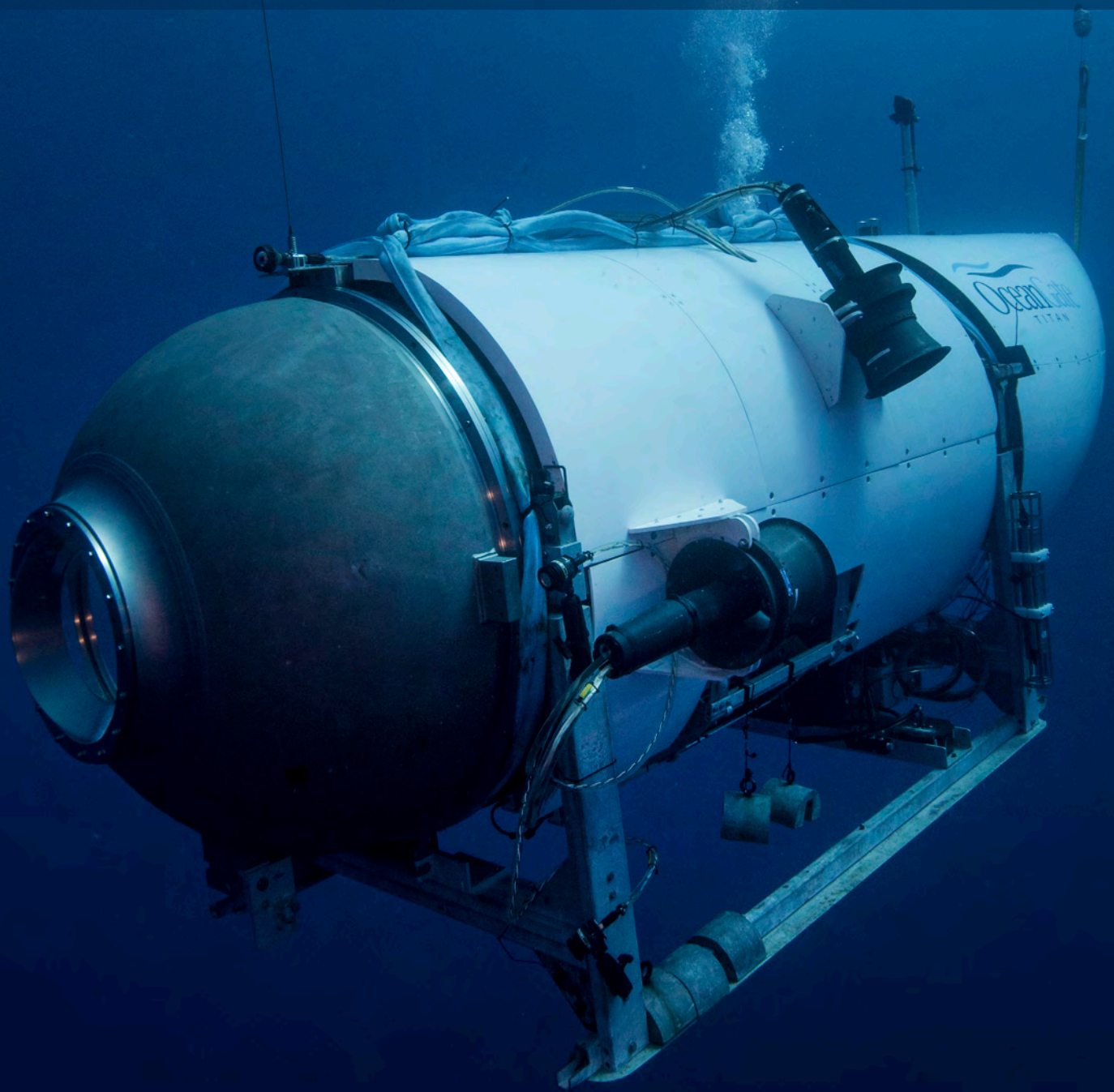


TITAN

5-Person Submersible | 4000 meters



OceanGate®

425.595.5017
info@oceangate.com

Manned
submersible
services for
industry,
research and
exploration.

*Titan is a Cyclops-class manned 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
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Manned submersible services for industry, research and exploration.

SURVEY AND INSPECTION

RESEARCH AND DATA COLLECTION

FILM AND MEDIA PRODUCTION

DEEP SEA TESTING

TITAN: MANNED SUBMERSIBLE

Titan is a Cyclops-class manned 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. Once depth validation is complete, *Titan* will be the only privately owned submersible in the world capable of diving to 4000 meters. Designed and built by OceanGate, Inc. *Titan* provides a unique solution to 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, *Titan* 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. *Titan* is outfitted with state-of-the-art lighting systems, plus internally and externally mounted 4K 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. The custom platform designed by OceanGate specifically for *Titan* was constructed from aluminum and is lighter in weight than its predecessors. It is modular, so it can be disassembled and efficiently transported by sea, land, or air.

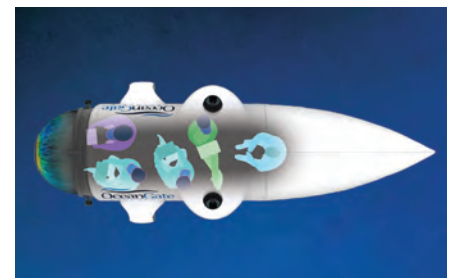
Operated similarly to a ship dry dock, the platform is ideally suited to launch and recover manned submersibles and shock sensitive equipment such as environmental sensors or electronic data collection devices. During operations, the entire integrated dive unit is submerged by flooding platform ballast tanks with water for a controlled descent to depths of 5 to 10 meters to avoid any surface turbulence. Once submerged below the effects of surface waves, the platform remains coupled to surface floatation with a patented system to provide a stable underwater platform from which *Titan* can lift off of and then return to after each dive. At the conclusion of the dive, the submersible 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.

BENEFITS

- 5-person occupancy allows multidisciplinary teams to multi-task and collaborate during dives
- The operational depth of 4000 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	11,340 kg (25,000 lbs)
Speed	3 knots
Propulsion	Four Innerspace electric thrusters: 2 vertical, 2 horizontal.
Life Support	96 hours for a crew of 5
Navigation	iXblue PHINS Inertial Navigation System Teledyne BlueView 2D sonar, Teledyne Doppler Velocity Log (DVL)
Lighting	6 Deep Sea Power & Lights LED Sealites, 60,000 lumens total output
Cameras	External: SubC Imaging iCam Rayfin, 4K camera, 3 Axis Cameras
Other	2G Robotics Dynamic Underwater Laser Scanner (ULS-500 PRO)



Typical seating configuration.



Titan.