



In October 2024, DeepTech hosted senior officers from navies around the world from the US Naval War College's Naval Command College (NCC).

DEEPTTECH COLLABORATIVE

DeepTech supports WHOI's vision for innovation in ocean technology, science, and education by providing the resources to create and pursue cutting-edge projects and programs. DeepTech serves a broad range of users to accelerate new ocean technology and research, to educate the next generation of ocean technologists and scientists, and to apply WHOI's unique expertise to key societal challenges.

In an effort to foster external partnerships, WHOI created OceanWorks: a program designed to use ocean intelligence to power industry solutions. DeepTech's state-of-the-art facilities, managed work areas, shared resources, maker spaces, and conference venues create a powerful platform for engaging and supporting the commercial and industrial partners central to OceanWorks' mission. Strengthening WHOI's impact in ocean research and diversifying funding are central pillars of DeepTech's strategic plan.

DEEPTTECH IS AN INNOVATION ACCELERATOR

DeepTech helps WHOI staff accelerate ideas that don't fit neatly into the conventional R&D model:

- » Accelerating large, WHOI-led initiatives
- » Fostering new internal synergies
- » Piloting new educational programs
- » Building new collaborations: regional to international
- » Supporting new industry and government partnerships

DEEPTTECH IS A COLLABORATION HUB

DeepTech supports a state-of-the-art collision space in WHOI's David Center for Ocean Innovation:

- » R&D space for short- or long-term projects
- » Advanced fabrication tools and equipment
- » Videoconferencing and meeting space
- » Educational resources and teaching lab space

DeepTech's David Center facility represents a significant investment towards sustaining WHOI's expertise in ocean technologies and expanding these capabilities into unexplored areas with new partners.

DEEPTTECH DISSEMINATES EXPERTISE

WHOI is a leader in training the next generation of Ocean Technologists. DeepTech helps connect WHOI's subject matter experts to areas in ocean technology and science where they are needed the most, so that WHOI can apply its broad and deep expertise to the biggest challenges facing the oceans and society.

EXAMPLES

DeepTech provides WHOI with resources and expertise to pursue a wide range of activities in ocean technology, science, education, and outreach. The below ideas reflect many activities DeepTech has supported since its inception.



New Sensor and Instrument Development: DeepTech helps WHOI develop novel sensors and instruments. WHOI users get access to dedicated R&D space, electronic test and assembly equipment, advanced prototyping resources, test and calibration equipment, and technical expertise.



Advanced Fabrication Lab: The second floor of the David Center houses the Advanced Fabrication Lab, or “Fab Lab.” This WHOI satellite shop supports DeepTech and other WHOI units with CNC machining expertise.



DeepTech enables higher-volume assembly: DeepTech provides space and resources to scale up assembly or fabrication of research equipment.



Ship to Shore telepresence: DeepTech has telepresence equipment that can help WHOI connect with research at sea.



DunkWorks: DunkWorks is WHOI’s rapid prototyping facility that brings new technologies for creating and testing designs prior to deployment in a marine environment. Through DunkWorks, DeepTech supports both conceptual development and physical construction by giving users of the facility an opportunity to engage in iterative design. In the process, users practice and acquire new, tangible skills to help advance their careers and the fields in which they work.