Blue Technology Center of Expertise (BTCOE)

The Coast Guard Blue Technology Center of Expertise (BTCOE) is designed to educate industry, academic and government partners about Coast Guard missions and technology requirements and to identify and facilitate technology solutions in support of the service's operational mission needs. The BTCOE is located on the campus of the Scripps Institution of Oceanography in La Jolla, California.

Mission:

The BTCOE acts as a conduit between the Coast Guard and the technology sector. The foundational mission of the BTCOE is to leverage partnerships to continually foster an innovative service culture and new ideas to enhance field operations.

Objectives:

- Identify emerging ocean-focused technologies that may improve the Coast Guard's national security and humanitarian missions.
- Educate industry, academic and government partners regarding Coast Guard missions and technology requirements.

Launch:

2020

What is Blue Technology?

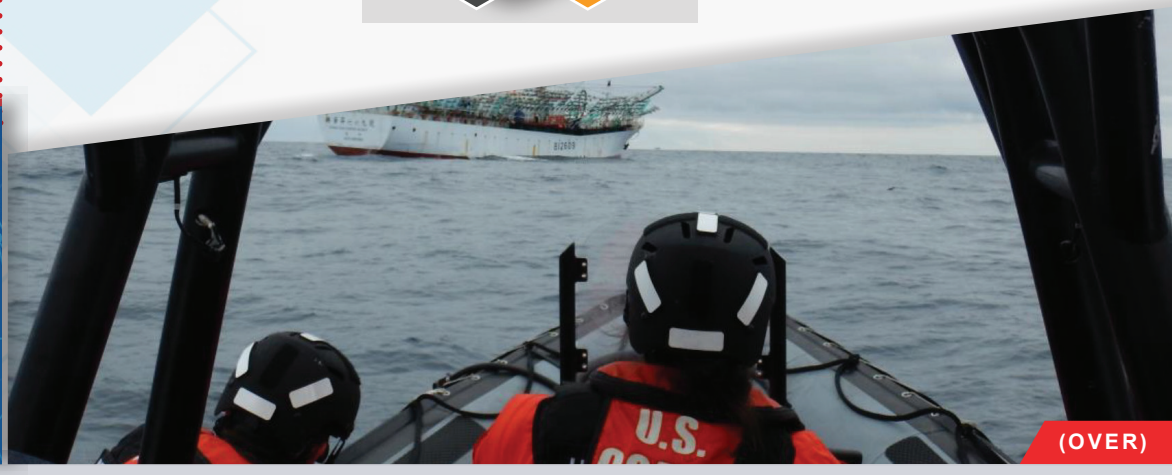
Blue technology is defined by Congress as any technology, system or platform that is:

- Designed for use or application above, on or below the sea surface or otherwise applicable to the Coast Guard's operational needs
- Capable of providing continuous or persistent coverage
- Capable of facilitating or supporting the Coast Guard's six major operational mission programs:

Contact Us:
Email: BlueTech@uscg.mil
Website: www.dcms.uscg.mil/acquisition/bluetech

U.S. Postal Service:
Blue Tech COE
9500 Gilman Drive #0210
La Jolla, CA 92093-0210

For FedEx, UPS, GPS:
Blue Tech COE
8675 Naga Lane Suite #107
La Jolla, CA 92037



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Example Technology Areas of Interest:

The BTCOE aims to position the Coast Guard at the forefront of emerging blue technologies with potential impacts from sea floor to space. The Coast Guard has a strategic interest in advancements that will not only enhance its current capabilities, but also prepare the service for the future of maritime operations, such as:

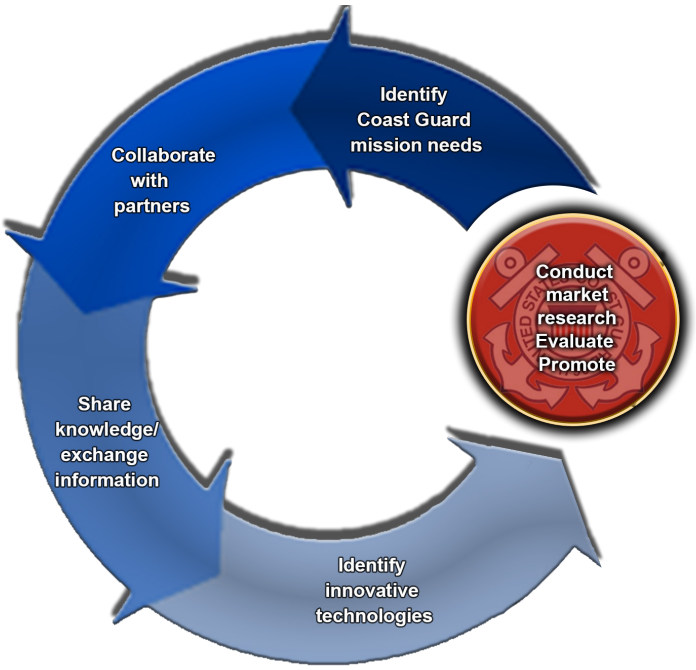
Advanced computing capabilities: Identification of technologies for collecting and utilizing information, including data analytics, machine learning and artificial intelligence capabilities that may improve Coast Guard operation and business models.

Next generation domain awareness: Identification of new technologies such as advanced sensors and autonomous vehicles that are poised to drastically mitigate risk and extend the reach of Coast Guard operations in the maritime domain.

Mobility solutions for operations and support activities: Introduction of emergent tools to enhance frontline operations and related support requirements by allowing members to collaborate and execute, on scene and on demand.

Enhanced technology systems: Identification of technologies that can increase operator safety and security by enhancing Coast Guard operations and improving logistics systems for global search and rescue, law enforcement, environmental protection and disaster response missions.

BTCOE Continuum



SCRIPPS INSTITUTION OF OCEANOGRAPHY

UC San Diego

The BTCOE is a partnership between the Coast Guard and the University of California San Diego Scripps Institution of Oceanography. The Scripps mission is to seek, teach and communicate scientific understanding of the oceans, atmosphere, Earth and other planets for the benefit of society and the environment. https://scripps.ucsd.edu/

www.dcms.uscg.mil/acquisition