

## Combating Terrorism Technical Support Office

**Combating Terrorism Technical Support Office** (CTTSO) is a division of the United States Department of Defense. Established in 1999, CTTSO consolidates the DoD's research & development programs to centralize efforts to identify, develop, and deliver counterterrorism capabilities to U.S. defense agencies and military operations. Through CTTSO and the Technical Support Warfare Group (TSWG), the VideoRay ROV was selected as the standard observation class ROV for the U.S. Coast Guard (USCG).

The USCG first acquired VideoRay ROVs in 2002 to conduct visual inspections and preliminary surveys of infrastructure, objects, and potential areas of interest before deploying divers to investigate further. The USCG deploys its ROVs to search for and recover evidence, direct divers to a specific target or area of interest, and inspect ship hulls, bridges, piers, and other underwater structures.

In 2011 CTTSO awarded VideoRay a \$2.2 million contract to modernize the USCG's ROV fleet to the latest technology, including sonar, improved positioning system, video enhancement, advanced ship hull inspection capabilities, and other improvements essential for expanding the ROV's capabilities in challenging conditions. CTTSO specifically cited VideoRay's industry-leading hull crawling capabilities and ability in currents up to 1 knot as critical factors in its decision. The contract required equipment that provided 100% search coverage while assuring 100% probability of detection (POD) in very strong currents, with low visibility water.



CTTSO outlined the need for VideoRay ROVs for port security in its 2011 Review Book:

"Securing ports and harbors remains a key mission in defending against terrorist acts. The USCG requires the capability to conduct timely and effective hull searches/inspections of vessels, piers, the seafloor and/or anomalous events...These upgraded ROVs will provide better search capabilities in all water clarities and in very strong currents, keeping divers out of dangerous waters while searching for hazardous devices" (pg 58)

CTTSO's endorsement of the Pro 4 ROV helped VideoRay cement its dominant position in the global maritime security market, and continue to implement the latest and most advanced underwater technology in every VideoRay ROV.

