

INDIAN HEAD EOD TECHNOLOGY



NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS



INDIAN HEAD EOD TECHNOLOGY DIVISION

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The NSWC Indian Head Explosive Ordnance Disposal Technology Division (NSWC IHEODTD) brings together the largest full-spectrum energetics facility in the Department of Defense with the largest concentration of explosive ordnance disposal technology resources and information in the world.

What are Energetics?

Energetics are explosives, propellants, pyrotechnics, reactive materials, related chemicals and fuels. Energetics are used in propulsion systems and in ordnance.

The U.S. Navy, DoD agencies, and allied nations all come to NSWC IHEODTD for energetic systems solutions and EOD expertise. We support the warfighter of today and of tomorrow through discoveries that anticipate the next generation's future needs.

One of nine divisions of the Naval Sea Systems Command Warfare Center Enterprise, the main site for NSWC IHEODTD is located at Naval Support Facility Indian Head, a 3,500-acre peninsula along the Potomac River in Southern Maryland. It is a 2000-person organization with sites in McAlester, OK; Ogden, UT; Louisville, KY, Picatinny, NJ and a second site in Indian Head, MD. NSWC IHEODTD has the largest U.S. workforce in the DoD dedicated to energetics and EOD, comprising more than 800 scientists and engineers and 50 active duty military. The business base totals \$1.4B.

The Division's unique synergy and balanced capabilities address all aspects of the energetics technical discipline including basic research, applied technology, technology demonstration, prototyping, engineering development, acquisition, low-rate production, in-service engineering/mishaps, failure investigations, surveillance, EOD technology/information, and demilitarization.

If the military experience problems with current weapon systems, or encounter new threats on the battlefield, NSWC IHEODTD answers the call and provides the solution.

Mission

Provide research, development, engineering, manufacturing, test, evaluation and in-service support of energetic systems and energetic materials (chemicals, propellants and explosives) for ordnance, warheads, propulsion systems, pyrotechnic devices, fuzing, electronic devices, Cartridge Actuated Devices and Propellant Actuated Devices (CAD/PADs), Packaging, Handling, Storage, and Transportation (PHS&T), gun systems and special weapons for Navy, Joint Forces and the Nation. Develop and deliver Explosive Ordnance Disposal (EOD) technology, knowledge, tools and equipment and their life cycle support through an expeditionary work force which meets the needs of the Department of Defense, combatant commanders and our foreign and interagency partners. Support the Executive Manager for EOD Technology

For additional information, please contact:

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301.744.6505
<http://www.navsea.navy.mil/nswc/indianhead/default.aspx>
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For employment opportunities, please contact:

NSWC IHEODTD
Human Resources Division
4247 South Patterson Rd., Bldg D-326, Suite 114
Indian Head, MD 20640-5134
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and Training. Execute other responsibilities as assigned by the Commander, Naval Surface Warfare Center.

Technical Capabilities

- Threat and Countermeasure Information Development and Dissemination for EOD, IED, and CREW
- Technology Development and Integration for EOD, IED, and CREW
- Energetic and Ordnance Component and Ordnance Systems for S&T, Emergent and National Need Requirements
- Energetic and Ordnance Components and Ordnance Systems for Air Warfare
- Energetic and Ordnance Components and Ordnance Systems for Surface Warfare
- Energetic and Ordnance Components and Ordnance Systems for Expeditionary and Undersea Warfare

Major Facilities

- Aircrew Escape Ordnance Devices Development & Prototyping Complex
- Detonation Physics RDT&E and Acquisition
 - Bombproofs, blast chambers, self-contained gun ranges
- Continuous Twin-Screw Processing R&D and Scale-up
 - 20-mm, 37-mm, 40-mm and 88-mm extruders
- Novel Materials R&D
 - Nano-energetic materials characterization
 - Complete suite of analytical capabilities
- Cast Composite Rocket Motor and PBX R&D & Scale-Up Complex
- Ordnance Test Facilities
- Chemical, Physical Property and Metallurgy Labs
- Quality Evaluation (QE)/Surveillance Facility
- Specialty Energetic Chemical Scale-up Facility
- High Pressure Explosives, Physics & Combustion Lab
 - Bomb testing; Strand burning; Combustion instability testing
- MEMS Clean Room, Underwater Warheads RDT&E and Modeling & Simulation
- Foreign Ordnance Electronics Exploitation Laboratory
- Magnetic Signature Test Facility
- Ordnance Disassembly Complex
- Hypervelocity Test Facility
- Oxygen Cleaning Laboratory
- EOD Diver Complex

Indian Head Division Sites

