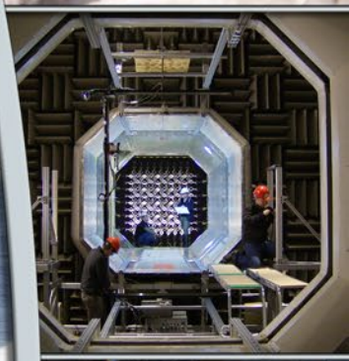
NSWC CARDEROCK DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS



NAVSEA WARFARE CENTERS

BACK

NSWC CARDEROCK DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

Naval Surface Warfare Center (NSWC) Carderock Division is the Navy's center of excellence for ships and ship systems. For over 100 years, NSWC Carderock Division has helped preserve and enhance the nation's presence on and under the seas. NSWC Carderock Division is the full-spectrum research and development, test and evaluation, engineering, and fleet support organization for the Navy's ships, submarines, military watercraft, and unmanned vehicles with insight into new concepts and diverse technologies for the Navy fleet of the 21st Century. NSWC Carderock Division's expertise spans from naval architecture and marine engineering, to electrical and mechanical engineering, to computer engineering and physics.

NSWC Carderock Division specializes in ship design and integration; environmental quality systems; hull forms and propulsors; structures and materials; signatures, silencing systems, and susceptibility; and vulnerability and survivability systems.

NSWC Carderock Division's unique laboratories, modeling and simulation facilities, at-sea-assets, and large-scale, land-based engineering and test sites at our headquarters in West Bethesda, Maryland, and seven detachment locations across the country contribute to the full-spectrum nature of our mission.

Navy and maritime communities have come to depend on our expertise and innovative spirit in developing advanced platforms and systems, enhancing naval performance, integrating new technologies, and reducing operating costs.

NSWC Carderock Division will continue to solve challenging engineering problems to meet future fleet needs.

Mission

To provide full-spectrum research and development, test and evaluation, analyses, acquisition, and fleet support for the Navy's ships, ship systems, and associated Navy logistics systems. Specific emphasis is to provide the core technical capabilities required for the integration of surface and undersea vehicles and associated systems, to develop and apply science and technology associated with naval architecture and marine engineering, and to provide support to the maritime industry.

Vision

To be the Navy's trusted partner for identifying and providing world-class, innovative, and cost-effective solutions for advanced ship and ship systems, for providing technical solutions to the warfighter, and to keep our fleet at sea.

Thrust Areas

- Ship, Submarine, and Unmanned Vehicle Design and Integrity
- Advanced Manufacturing
- Digital Strategy
- Signature Management
- Unmanned Mobility Systems

For additional information, please contact:

Congressional and Public Affairs Office
NSWC Carderock Division
9500 MacArthur Blvd
West Bethesda, MD 20817-5700
Phone: (301) 227-4465
Web: www.navsea.navy.mil/Home/WarfareCenters/NSWCCarderock.aspx
Email: CRDIVCPAO@navy.mil

For employment opportunities, please contact:

College Recruiting and Outreach
NSWC Carderock Division
Human Resources Division, Code 101
9500 MacArthur Blvd
West Bethesda, MD 20817-5700
Email: RECRUITWB.fct@navy.mil

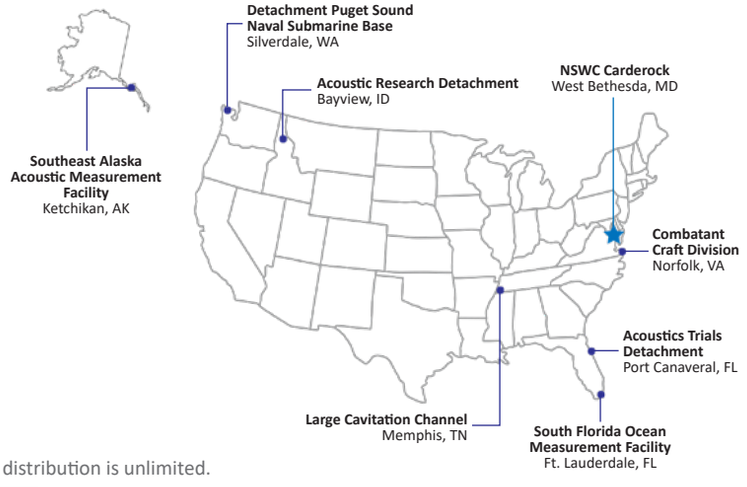
Technical Capabilities

- Ship and Submarine Design and Integration
- Ship and Submarine Acquisition Engineering
- Ship and Submarine Systems Concepts, Technologies, and Processes
- Combatant Craft and Expeditionary Vehicles
- Unmanned Vehicles Naval Architecture and Marine Engineering
- Hull Forms and Fluid Dynamics
- Propulsors
- Surface, Undersea, and Weapon Vehicle Materials and Manufacturing Technology
- Surface and Undersea Vehicle Structures
- Alternative Energy and Power Sources R&D
- Liquid Waste Management, Science and Systems
- Solid Waste and Hazardous Material Management, Science and Systems, and Ships and Subs Systems Safety
- Surface, Undersea and Expeditionary Vehicle Vulnerability Reduction and Protection
- Surface and Undersea Vehicle Underwater Signatures, Silencing Systems, and Susceptibility
- Surface and Undersea Vehicle Non-Acoustic Topside Signatures, Silencing Systems, and Susceptibility
- Radiation Detection Technology Research and Management

Major Facilities

- David Taylor Model Basin — West Bethesda, MD
- Maneuvering and Seakeeping Facility (MASK) — West Bethesda, MD
- Deep Submergence Pressure Tank — West Bethesda, MD
- Anechoic Flow Facility — West Bethesda, MD
- Structure Evaluation Laboratory — West Bethesda, MD
- Explosives Test Pond — West Bethesda, MD
- Ship Materials Technology Center — West Bethesda, MD
- Magnetic Fields Laboratory — West Bethesda, MD
- Acoustic Research Detachment — Bayview, ID
- Large Cavitation Channel — Memphis, TN
- Southeast Alaska Acoustic Measurement Facility (SEAFAC) — Ketchikan, AK
- South Florida Ocean Measurement Facility (SFOMF) — Fort Lauderale, FL

Carderock Division Sites



NSWC CORONA DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

NAVSEA WARFARE CENTERS

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NSWC CORONA DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

NSWC Corona Division is the Navy's only independent analysis and assessment center, with more than 3,200 Sailors, civilian scientists, engineers, support staff, and contractors.

NSWC Corona Division is home to three premier national laboratory and assessment centers: the Joint Warfare Assessment Lab (JWAL); the Measurement Science and Technology Lab; and the Daugherty Memorial Assessment Center (DMAC). Along with the renowned "Corona Engineers," these state-of-the-art facilities enable NSWC Corona Division to fulfill its unique mission for the Navy. The JWAL and DMAC are at the core of NSWC Corona Division's integrated approach to warfare assessment, and the Measurement Science and Technology Lab is where NSWC Corona Division researches and establishes the metrology and calibration standards and procedures for the Navy and Marine Corps.

Using a rigorous, disciplined independent assessment process, NSWC Corona Division provides the fleet, program managers and acquisition community with the objective assessment needed for the Navy to gauge warfighting capability of ships and aircraft, assess warfare training and analyze new defense systems - even those systems in the concept phase. This commitment to independent assessment allows the Navy to achieve the greatest value for acquisition, material readiness and lifecycle management programs - for today's Navy, the next Navy, and the Navy after next. As the Navy's metrology and calibration authority, NSWC Corona Division also sets the measurement science and calibration standards to support proper weapons operation, interoperability and peak readiness for the fleet. NSWC Corona Division uses innovation and automation to also reduce burdensome workload for Sailors, while reducing maintenance costs and increasing readiness for the Navy.

Technical capabilities and unique expertise - ranging from missile defense assessment to range and test instrumentation to setting measurement standards - enable Corona to support in-service and emerging weapons and combat systems for key customers in critical areas:

- Trusted agent for Commander, Operational Test and Evaluation Force (COTF) analysis and assessment
- Connectivity with worldwide presence to Test & Evaluation (T&E), Missile Defense Agency (MDA), Joint National Training Capability (JNTC), and fleet training sites to enable analysis and reporting of assessment results in near real-time
- Integrated performance and readiness assessment of weapons and combat systems
- Range instrumentation management and engineering
- Test systems effectiveness and measurement integrity
- Weapons and combat systems product integrity

Mission

Serve warfighters and program managers as the Navy's independent assessment agent throughout systems' lifecycles by gauging the Navy's warfighting capability of weapons and integrated combat systems, from unit to force level, through assessment of those systems' performance, readiness, quality, supportability, and the adequacy of training.

Vision

We serve the warfighter and contribute to our nation's security through our recognized excellence in independent assessment.

Technical Capabilities

- Warfare Systems Performance Assessment
- Quality and Mission Assurance Assessment
- Metrology, Test, and Monitoring Systems Assessment
- Naval Surface & Air Range Systems Engineering
- Weapons Systems Interface Assessment
- Naval Systems Material Readiness Assessment
- Strategic Systems Testing and Analysis, and Surveillance Assessment
- Ground Combat Weapons and Ammunition Test, Evaluation, and Assessment

Major Facilities

- Joint Warfare Assessment Lab
- Measurement Science and Technology Lab
- Daugherty Memorial Assessment Center

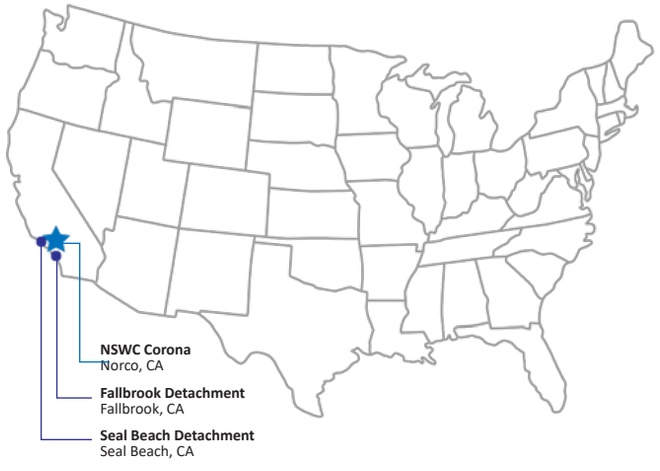
For additional information, please contact:

NSWC Corona Division
Office of Corporate Communications
P.O. Box 5000
Corona, CA 92878-5000
Phone: 951-273-5137
Web: www.corona.navy.mil
Email: crna_pao@navy.mil

For employment opportunities, please contact:

Recruitment Coordinator
NSWC Corona Division
P.O. Box 5000
Corona, CA 92878-5000
Phone: 951-273-4410
Fax: 951-273-5346

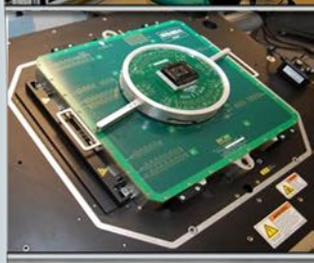
Corona Division Sites



NSWC CRANE DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS



NAVSEA WARFARE CENTERS

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NSWC CRANE DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

Located on the third largest naval installation in the world, NSWC Crane Division's total focus is to support the warfighter by leveraging its technical capabilities for the rapidly changing combat environment. Anchored by technical expertise, a strong work ethic and total lifecycle leadership, NSWC Crane Division's personnel and preeminent facilities set the standard for excellence in acquisition, engineering and sustainment.

NSWC Crane Division's electronic warfare (EW) mission area provides innovative, leading-edge, technical solutions for military actions that use electromagnetic energy to control the electromagnetic spectrum. This includes destroying an adversary's combat capability, gathering intelligence data and ensuring friendly use of the electromagnetic spectrum. NSWC Crane Division's technical solutions are employed across air, ground, maritime domains for the joint and coalition forces. With more than one-half million square feet of offices and labs, NSWC Crane Division has a critical mass of co-located personnel and secured facilities to provide responsive, affordable, total lifecycle leadership. Several outdoor test ranges with encroachment protection, the most comprehensive mobile radio frequency (RF) threat simulators and multiple anechoic chambers are only some of the best-in-class resources available at Crane.

NSWC Crane Division's expeditionary warfare mission area is dedicated to providing the elite warfighter with reliable and practical solutions, expertly delivered and deployed to ensure safe and effective missions. NSWC Crane Division delivers specialized training and support for the advanced warrior, providing a decisive advantage in sensors and communications, power systems and interconnect technology, mobility and maneuverability, special munitions and weapons. NSWC Crane Division is known for rapid technology transition, integrating threat assessment, proven solutions and risk management with product deployment and training. Co-located personnel and facilities demonstrate NSWC Crane Division's commitment to total lifecycle leadership, offering a unique ability to accelerate response for the warfighter.

NSWC Crane Division's strategic missions experts are focused on innovative technical solutions to deter and defend against aggression and defeat threats worldwide. NSWC Crane Division's strategic missions experts and preeminent facilities provide high reliability electronics and sensors for successful global deterrence and ballistic missile defense. In fact, every ballistic missile in U.S. arsenal carries key components developed or supported by Crane. NSWC Crane Division is dedicated to innovative science, processes and policies that advance technologies such as printed circuit boards and trusted microelectronics. Experts are committed to developing and deploying the technology that ensures that weapons systems are fully reliable and always available to the warfighter.

Mission

Provide acquisition engineering, in-service engineering and technical support for sensors, electronics, electronic warfare and special warfare weapons. Apply component and system level product and industrial engineering to surface sensors, strategic systems, special warfare devices and electronic warfare/information operations systems. Execute other responsibilities as assigned by the Commander, Naval Surface Warfare Center.

Vision

Combating our nation's greatest threats, NSWC Crane Division is the indispensable mission expert, leveraging our deep technical heritage to deliver solutions through innovation and strategic partnerships.

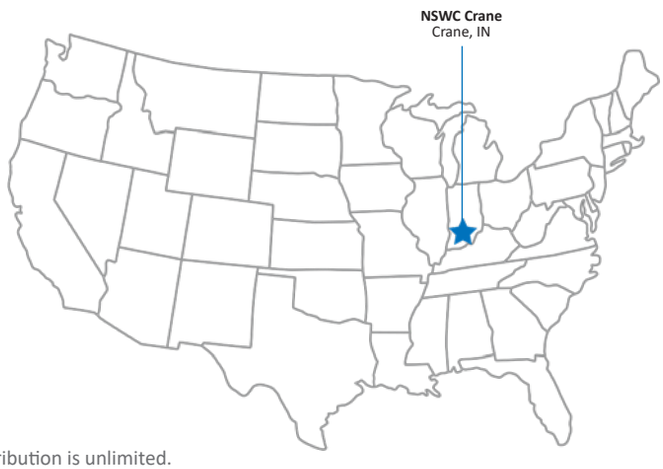
Technical Capabilities

- Electronic Warfare Systems RDT&E/Acquisition/Life Cycle Support
- Infrared Countermeasures and Pyrotechnic RDT&E and Life Cycle Support
- Strategic Systems Hardware
- Special Warfare and Expeditionary Systems Hardware and the Associated Software
- Advanced Electronics & Power and Energy Systems
- Sensors and Surveillance Systems

Major Facilities

- Rapid Innovation Prototyping Lab
- Special Weapons Assessment Facility
- Lake Glendora Underwater Test Facility
- Infrared Countermeasure Technology Complex
- Crane Artificial Intelligence Development Lab (CrAIDL)
- Spectrum Technology Advanced Research (STAR) Lab
- Anechoic chambers (3)
- Linear Accelerator Test Facility
- Strategic Weapons Systems Engineering and Evaluation Complex
- Electronic Warfare Systems Engineering Complex
- Electro-Optics Engineering and Test Facility
- Failure Analysis/Material Analysis Lab

Crane Division



For additional information, please contact:

NSWC Crane Division
Corporate Communications
BLDG 1, Code 103
300 Highway 361
Crane, IN 47522
e-mail: Cran_nswc_pao@navy.mil
website: http://www.navsea.navy.mil/Home/Warfare-Centers/NSWC-Crane/

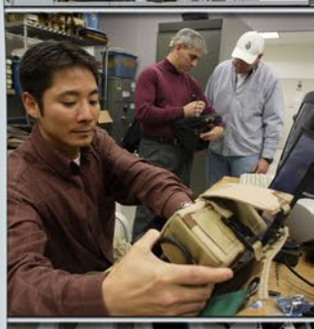
For employment opportunities, please contact:

NSWC Crane Division
Human Resources
Crane_recruiting@navy.mil

NSWC DAHLGREN DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS



NAVSEA WARFARE CENTERS

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NSWC DAHLGREN DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

NSWC Dahlgren Division is a shore command of the U.S. Navy under the Naval Sea Systems Command (NAVSEA), which engineers, builds and supports America's Fleet of ships and combat systems. NSWC Dahlgren Division has two primary sites – its headquarters at Dahlgren, Virginia and Dam Neck Activity in Virginia Beach, Virginia – as well as detachments and off-site locations across the United States.

NSWC Dahlgren Division provides science, technology, engineering and systems integration leadership and innovation that our nation's naval and joint forces rely upon for superior warfighting capability. NSWC Dahlgren Division works closely with the warfighter to fully understand operational challenges and requirements and provides the bridge to technology innovations and prototypes to develop capabilities with our private and industrial partners. This critical linkage results in delivery of effective, affordable and timely warfighting capabilities for our current fleet and the future fleet.

Mission

Provide research, development, test and evaluation, analysis, systems engineering, integration and certification of complex naval warfare systems related to surface warfare, strategic systems, combat and weapons systems associated with surface warfare. Provide system integration and certification for weapons, combat systems and warfare systems. Execute other responsibilities as assigned by the Commander, Naval Surface Warfare Center.

Vision

To be the Department of the Navy's leading warfare system architect and system engineer recognized as the technical leader in delivering innovative, affordable, and effective solutions for the Navy and in support of joint and national initiatives.

Thrust Areas

Building on our core, target and prioritize technical opportunities in the following strategic thrusts:

- Lead electric weapons design, development and integration.
- Institutionalize mission engineering and analysis.
- Incorporate cyber warfare engineering in our naval systems.

Technical Capabilities

- Asymmetric Warfare Engineering and Embedded Systems
- Chemical, Biological, & Radiological Warfare Defense Systems RDT&E
- Conventional and Electromagnetic Gun Weapon Systems RDT&E
- Directed Energy Systems RDT&E
- Expeditionary and Other Weaponry Systems RDT&E
- Force & Surface Platform Level Warfare Systems Analysis & Modeling
- Force Level Warfare Systems Engineering and Integration
- Human Systems Integration Science and Engineering
- Integrated Surface Combat Control Systems Support
- Integrated Topside Design (ITD)
- Integrated Training Systems
- Physical & Non-Physical Vulnerability Analysis
- Radar and Distribution Systems
- Radar and Electro-Optic Systems RDT&E
- Re-Entry Systems
- Strategic Mission Planning, Targeting, and Fire Control Systems
- Surface and Expeditionary Conventional Weapon Control Systems RDT&E
- Surface and Expeditionary Missile Systems Integration
- Surface and Expeditionary Warfare Systems Safety
- Surface Combat Computing Systems S&T, RDT&E
- Surface Combat Control Systems S&T, RDT&E
- Surface Combat Systems Engineering & Integration RDT&E
- Surface Electronic Warfare Systems Architecture and Combat System Integration RDT&E
- Surface Warfare Electromagnetic Environmental Effects
- Surface Warfare System and Force Level Certification/IV&V
- Surface Warfare Systems Engineering & Integration RDT&E
- Weapon Systems Analysis, Effects, & Effectiveness
- Weapons Systems Integration for Surface, Air and Ground Unmanned Systems

Major Facilities

- Advanced Spatial Technology Research Analysis Lab
- Asymmetric Technology Innovation Lab
- Bateman Chemical, Biological and Radiological Warfare Lab
- Electromagnetic Environmental Effects Facilities
- Electromagnetic Railgun Launch Facility
- Explosive Experimental Area
- Force Integration and Interoperability Lab
- Human System Integration Lab
- Information and Special Warfare Systems Lab
- Integrated Combat Control Systems Lab
- Integrated Training Capabilities Lab
- Integrated Warfare Systems Lab
- Maginot Open Air Test Site
- Naval Directed Energy Warfare Lab
- Open Architecture Computing Facility
- Platform Integration Lab
- Potomac River Test Range
- Search and Track Sensor Test Site
- Submarine-Launched Ballistic Missile Lab
- Surface Sensor and Combat Systems Facility

Dahlgren Division Sites

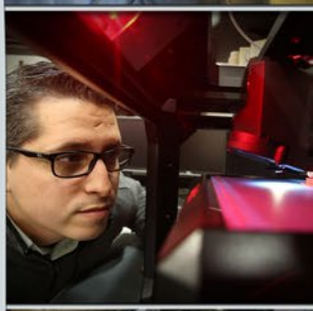
For additional information, please contact:
Congressional and Public Affairs Office
NSWC Dahlgren Division
6149 Welsh Road, Suite 203
Dahlgren VA 22448
Phone: (540) 653-8152
Web: http://www.navsea.navy.mil/Home/Warfare-Centers/NSWC-Dahlgren
Email: NSWCDD.Info@navy.mil

For employment opportunities, please contact:
Human Resources Department
NSWC Dahlgren Division
17632 Dahlgren Rd, Suite 200
Dahlgren VA 22448
Email: DLGR_NSWC_JobInfo@navy.mil

NSWC INDIAN HEAD EOD TECHNOLOGY DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS



NAVSEA WARFARE CENTERS

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NSWC INDIAN HEAD EOD TECHNOLOGY DIVISION

NAVAL SEA SYSTEMS COMMAND

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

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

One of 10 Warfare Center divisions within the Naval Sea Systems Command (NAVSEA) enterprise, the main site for NSWC IHEODTD is a 1,900-acre peninsula along the Potomac River on Naval Support Facility Indian Head, in Indian Head, Md.

NSWC IHEODTD has a separate EOD campus, also in Indian Head, Md., and detachment sites in McAlester, Okla.; Ogden, Utah; Louisville, Ky.; and Picatinny, N.J.

NSWC IHEODTD has the largest workforce in the DoD dedicated to energetics and EOD – nearly 2,000 strong and comprised of more than 800 scientists and engineers (more than 50 holding doctorates) and an expeditionary EOD team with more than 50 active duty military that exploits technology, provides weapons technical analysis, and contributes to the EOD technical intelligence process. The division's business base totals approximately $1.4 billion.

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, scale-up, in-service engineering/mishaps, failure investigations, surveillance, EOD technology/information and demilitarization.

Mission

Provide research, development, engineering, manufacturing, test, evaluation and in-service support of energetic systems and energetic materials for ordnance, warheads, propulsion systems, pyrotechnic devices, Cartridge Actuated Devices and Propellant Actuated Devices (CAD/PADs). Packaging, handling, storage, and transportation; gun systems and special weapons for Navy, joint forces and the nation. Develop and deliver EOD technology, knowledge, tools and equipment and their life cycle support through an expeditionary work force which meets the needs of DoD, combatant commanders and foreign and interagency partners. Support the Executive Manager for EOD technology and training. Execute other responsibilities as assigned by the Commander, Naval Surface Warfare Center.

Vision

As a field activity of the Naval Sea Systems Command and part of the Naval Research and Development Enterprise, IHEODTD is the leader in ordnance, energetics and EOD solutions for the Department of Defense.

For additional information, please contact:

NSWC IHEODTD Public Affairs
3767 Strauss Ave., Bldg. 20, Room 105
Indian Head, MD 20640-5150
Phone: (301) 744-6505
Web: www.navesea.navy.mil/Home/WarfareCenters/NSWCIndianHeadEODTechnology.aspx
Email: nswc.iheodtd.pao@navy.mil
www.facebook.com/nswc.iheodtd

For employment opportunities, please contact:

NSWC IHEODTD Human Resources Division
4247 South Patterson Rd., Bldg. D-326, Suite 114
Indian Head, MD 20640-5134
Phone: (301) 744-4519
Web: www.navsea.navy.mil/Home/WarfareCenters/NSWCIndianHeadEODTechnology/CareerOpportunities.aspx
Email: IHDIVSERecruitment@navy.mil

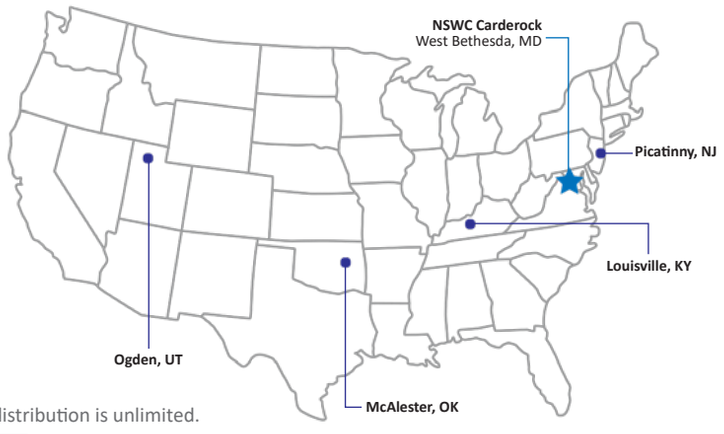
Technical Capabilities

- Threat and Countermeasure Information Development and Dissemination for EOD, Improvised Explosive Devices (IED), and Counter Radio-Controlled IED Electronic Warfare (CREW)
- Technology Development and Integration for EOD, IED and CREW
- Energetic and Ordnance Component and Ordnance Systems for Science and Technology (S&T), Emergent and National Need Requirements
- Energetic and Ordnance Components and Ordnance Systems for Aire Warfare
- Energetic and Ordnance Components and Ordnance Systems for Surface Warfare
- Energetic and Ordnance Components and Ordnance Systems for Expeditionary and Undersea Warfare
- EOD Unmanned Systems

Major Facilities

- Aircrew Escape Ordnance Devices Development & Prototyping Complex
- Detonation Physics Research, Development, Test and Evaluation (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/Surveillance Facility
- Specialty Energetic Chemical Scale-up Facility
- High Pressure Explosives, Physics & Combustion Lab
  - Bomb testing, Strand burning; Combustion instability testing
- Micro-Electromechanical Systems (MEMS) Explosives-rated 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
- Gun Test Facility
- Packaging, Handling, Storage and Transportation Test Lab
- Gun Integration facility (Turret Facility)

Indian Head EOD Technology Division Sites



18-NUWC-GRA/0291-IHEOD FY18

NUWC KEYPORT DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

NAVSEA WARFARE CENTERS

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NUWC KEYPORT DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

With a proud history spanning more than 100 years, NUWC Keyport Division is a global network of people, facilities, and capabilities, united in all we do by a culture of innovation and a common purpose: to expand America's dominance in the undersea domain. One of two divisions of the Naval Undersea Warfare Center, NUWC Keyport Division's advanced technical capabilities directly support the full spectrum of Navy undersea programs.

NUWC Keyport Division's primary location is in the community of Keyport, Washington, on the Kitsap Peninsula. Other Washington locations include an annex at Naval Base Kitsap-Bangor, and undersea ranges in Puget Sound and the Hood Canal, which combine state-of-the-art support infrastructure with unique natural conditions.

The command also maintains detachments in California and Hawaii, operating sites in Guam and Nevada, an office in Japan, the Naval Sea Logistics Center, in Pennsylvania, and the Nanoose Range in the waters of British Columbia, Canada. Our people frequently deploy around the world to support the U.S. fleet and allied militaries.

NUWC Keyport Division's current workforce consists of approximately 2,200 civilians and 30 Sailors.

Mission

Provide advanced technical capabilities for test and evaluation, in-service engineering, maintenance and industrial base support, fleet material readiness, obsolescence management and logistics support for undersea warfare.

Execute other responsibilities as assigned by the Commander, Naval Undersea Warfare Center.

Vision

Expanding America's Dominance in the Undersea Domain

Technical Capabilities

- Pacific USW T&E Range and Test Facility Operations
- Independent USW Systems Test and Evaluation and Experimentation
- USW Weapons and Vehicles Range and Environmental Test Systems
- Torpedo and Unmanned Undersea Vehicle Maintenance and Repair
- Obsolescence Management
- Undersea Warfare Systems Material Depot
- Torpedo and Unmanned Undersea Vehicles ISE and ILS
- Submarine USW Systems ISE and ILS
- Theater USW Systems
- Fleet Training and Training Management Systems
- Integrated Product Support for Surface and Undersea Systems
- Central Design Agent for Navy and NAVSEA Corporate Logistics Data Systems
- Ships Planned Maintenance System
- NAVSEA Operating Materials and Supplies (OM&S) Management

Major Facilities

- Additive Manufacturing and Rapid Prototyping Technologies Facilities (Keyport)
- Collaborative Test & Evaluation Capability Center (Keyport)
- Combat Systems Depot (Keyport)
- Custom Engineered Solutions/Obsolescence Resolution Facilities (Keyport)
- Fleet Integrated Simulation Technology Testing Facility (Pearl Harbor)
- Fleet Operational Readiness Accuracy Check Sites (Hawaii)
- Fleet Test and Evaluation Facilities (San Diego and Hawaii)
- In-Service Engineering Facility (Keyport)
- Magnetic Silencing Facilities (Pearl Harbor)
- Pacific Northwest Undersea Range Complex (Washington)
- Repair Technology Development Complex (Keyport)
- San Clemente Island Underwater Range (California)
- Shipboard Electronic Systems Evaluation Facilities (Hawaii)
- Torpedo, Anti-Torpedo and UUV Maintenance Depot/Intermediate Maintenance Activity (Keyport and Pearl Harbor)
- Torpedo Demilitarization Facilities (Hawthorne)
- Torpedo Exercise Support Facility (Guam)
- Undersea Warfare Mines Depot (Hawthorne)
- Unmanned Undersea Vehicle Homeport/Barb Hall (Keyport)

For additional information, please contact:

Public Affairs Office
NUWC Keyport Division
Phone: (360) 396-2699
Email: kypt_pao@navy.mil
Web: http://www.navsea.navy.mil/Home/Warfare-Centers/NUWC-Keyport

For employment opportunities, please contact:

Commanding Officer
Code 1012, Bldg 206A
ATTN: Recruitment Coordinator
NUWC Keyport Division
610 Dowell St.
Keyport WA 98345-7610
Email: kypt_recruitmentcoordinator@navy.mil

Keyport Division Sites

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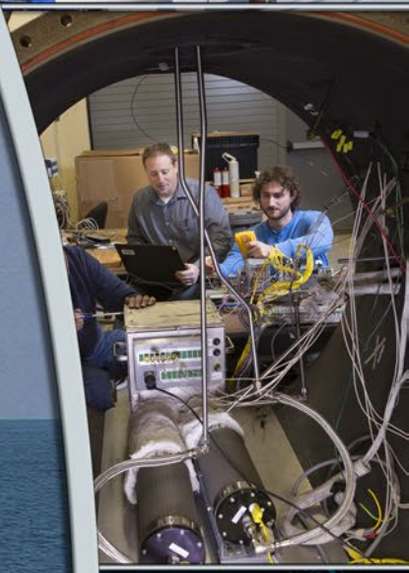
18-NUWC-GRA/0291-KEYPORT FY18

NUWC NEWPORT DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS



NAVSEA WARFARE CENTERS

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NUWC NEWPORT DIVISION

NAVAL SEA SYSTEMS COMMAND

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NUWC Newport Division, one of two divisions of the Naval Undersea Warfare Center, is the Navy's full-spectrum research, development, test and evaluation, engineering, and fleet support center for submarine warfare systems and many other systems associated with the undersea battlespace. NUWC Newport Division provides the technical foundation that enables the conceptualization, research, development, fielding, modernization, and maintenance of systems that ensure our Navy's undersea superiority.

NUWC Newport Division is responsible, cradle to grave, for all aspects of systems under its charter, and is engaged in efforts ranging from participation in fundamental research to the support of evolving operational capabilities in the U.S. Navy fleet. The major thrust of NUWC Newport Division's activities is in applied research and system development.

With headquarters in Rhode Island, NUWC Newport Division operates detachments at West Palm Beach, Florida and Andros Island in the Bahamas. Remote test facilities are located at Seneca Lake and Fisher's Island in New York; Dodge Pond in Connecticut; Fort Story, Virginia; Okahumpka, Florida; and Rota, Spain.

Mission

NUWC Newport Division provides research, development, test and evaluation, engineering, analysis, and assessment, and fleet support capabilities for submarines, autonomous underwater systems, and offensive and defensive undersea weapon systems, and stewards existing and emerging technologies in support of undersea warfare. Executes other responsibilities as assigned by the Commander, Naval Undersea Warfare Center.

Vision

Undersea Superiority: Today and Tomorrow

Technical Capabilities

- USW Communication Systems
- USW Communication Antenna Systems
- USW Combat Systems
- USW Trainer Systems
- USW Sensor and Sonar Systems
- Submarine Periscopes and USW Imaging Systems
- USW Electronic Warfare, SIGINT, IO Sensors and Systems Integration
- Undersea Surveillance Systems
- USW Launcher Systems and Payload Integration
- Submarine Tactical Missile Integration
- USW Autonomous Vehicles
- Torpedo and Sonar Defensive and Countermeasure Systems
- Torpedoes and Undersea Weapons
- Undersea Warfare (USW) Analysis
- USW Environmental Assessment Effects Analysis
- Undersea Range Technology and Application
- USW Systems Test and Evaluation
- USW Distributed Netted Systems
- Atlantic USW T&E Range and Training Operations
- Submarine Electromagnetic Environmental Effects (E3)

Major Facilities

- Acoustic Wind Tunnel
- Anechoic Chamber
- Chemistry Lab
- Combat Systems Evaluation & Analysis Laboratory
- Environment Centric Weapons Analysis Facility
- Launcher Laboratory
- Narragansett Bay Test Facility
- Over-water Arch Facility
- Propulsion Test Facility
- Quiet Water Tunnel
- Submarine Towed and Deployed Systems Research, Development, Test and Evaluation Complex
- Survivability Test Facility
- Undersea Warfare Analysis
- Virginia Payload Tube Facility

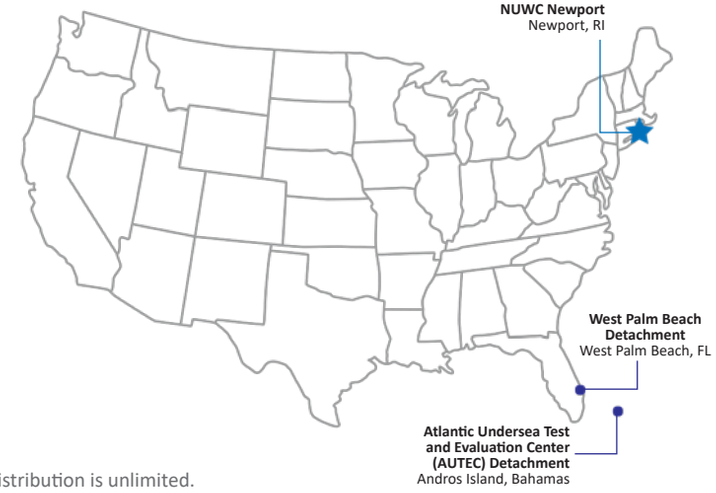
For additional information, please contact:

NUWC Newport Division
Public Affairs Office
1176 Howell Street
Newport, RI 02841
Web: http://www.navsea.navy.mil/Home/Warfare-Centers/NUWC-Newport/
Phone: (401) 832-2039
https://www.facebook.com/NUWCNewport/

For employment opportunities, please contact:

NUWC Newport Division
Human Resources Office
1176 Howell Street
Newport, RI 02841
Email: nuwc_npt_recruit.fct@navy.mil

Newport Division Sites



18-NUWC-GRA/0291-NEWPORT FY18

NSWC PANAMA CITY DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

NAVSEA WARFARE CENTERS

BACK

NSWC PANAMA CITY DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

Located on over 650 acres along St. Andrew Bay in Panama City, Florida, NSWC Panama City Division is the Navy's technical center of excellence for littoral warfare and coastal defense. NSWC Panama City Division employs over 1,400 civilian employees, of which the majority are scientists and engineers, who research, develop, test and evaluate capabilities in four core mission areas of mine warfare, diving and life support, naval special warfare and amphibious and expeditionary warfare. NSWC Panama City Division also patents innovative ideas and rapidly prototypes tomorrow's capabilities to fleet users by capitalizing on a talented workforce and a prime location on the Gulf of Mexico.

Mission

The mission of Naval Surface Warfare Center Panama City Division is to conduct research, development, test and evaluation, in-service support of mine warfare systems, mines, naval special warfare systems, diving and life support systems, amphibious/expeditionary maneuver warfare systems, other missions that occur primarily in coastal (littoral) regions and to execute other responsibilities as assigned by Commander, Naval Surface Warfare Center.

Vision

Technical Center of Excellence for Littoral Warfare & Coastal Defense

Technical Capabilities

- Personal Protective Systems for Extreme Environments
- Expeditionary Coastal and Maritime Security System Engineering and Integration
- Air Cushion Vehicle Systems
- Expeditionary Maneuver Warfare Systems Engineering and Integration
- Special Warfare Maritime Mobility Mission Systems and Mission Support Equipment
- MCM Detect and Engage Systems, Modular Mission Packaging, and Platform Integration and Handling
- Littoral Mission Systems Integration and Modular Mission Packages Certification
- Unmanned Systems Engineering & Integration, Autonomous Operations, Joint
- Interoperability and Common Control
- Mine Sensor and Target Detection Technology, Mine Delivery Platform Integration, and Minefield Architecture
- Diving and Life Support Systems
- Surface Life Support Systems for Extreme Environments

Major Facilities

- Mine Warfare Complex
- Littoral Warfare Research Facility
- Littoral Warfare Systems Facility
- Diving & Life Support Complex
- Special Warfare Research Engineering Complex
- Expeditionary Warfare Complex
- Landing Craft Air Cushion Facility
- Human Systems Integration Usability Lab
- USMC Amphibious Raids and Reconnaissance Integration Facility
- Coastal Test Range
- Prototype Fabrication Facility
- Fanselau Coil Facility
- Joint Gulf Test Range

For additional information, please contact:

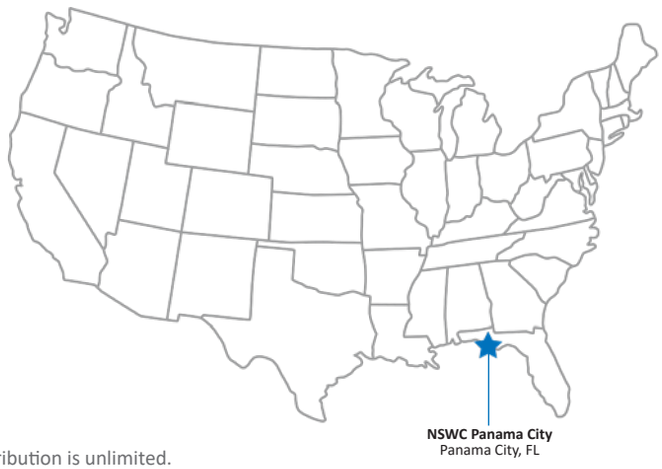
Naval Surface Warfare Center Panama City Division
110 Vernon Avenue
Panama City, Florida 32407-70001
Email: NSWCPCD_PAO.fct@navy.mil
Phone: (850) 230-7400
Web: http://www.navsea.navy.mil/Home/Warfare-Centers/NSWC-Panama-City/

Social Media:
Facebook: facebook.com/nswcpcd
YouTube: Youtube.com/nswcpcdpao
Issuu: Issuu.com/nswcpcd
DVIDS: dvidshub.net/unit/NSWC-PCD

For employment opportunities, please contact:

Phone: (850) 230-7400
Email: NSWCPCD_Recruiting.fct@navy.mil

Panama City Division



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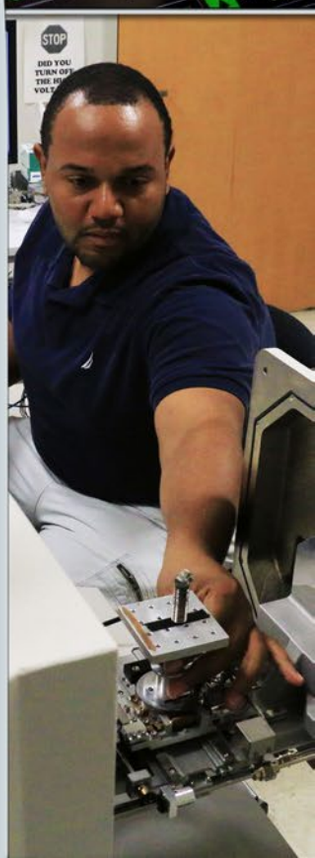
18-NUWC-GRA/0291-PANAMACITY FY18

NSWC PHILADELPHIA DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS



NAVSEA WARFARE CENTERS

BACK

NSWC PHILADELPHIA DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

The Naval Surface Warfare Center (NSWC) Philadelphia Division traces its founding to Nov. 18, 1910, when the Secretary of the Navy established the Fuel Oil Testing Plant (FOTP) to provide technical assistance to the Fleet as the U.S. Navy converted from coal to oil to fire its steam-powered ships.

In the century since, the organization's name has changed as its engineering responsibilities increased in scope: from FOTP; to Naval Boiler Laboratory; Naval Boiler and Turbine Laboratory; Naval Ship Engineering Center, Philadelphia Division; and Naval Ship Systems Engineering Station (NAVSSES).

When the Secretary of the Navy approved the establishment of the NAVSEA Warfare Centers in 1991, NAVSSES became part of the NSWC Carderock Division, but retained its status as a separate command. NAVSSES increased its capability in 1999 with the opening of the Machinery Research and Development Center. On Oct. 1, 2015, the Philadelphia command began the latest chapter in its history when it stood up as an Echelon four-level command, the Naval Surface Warfare Center (NSWC) Philadelphia Division.

NSWC Philadelphia Division is responsible for the machinery systems core equity of the ship and ship systems product area for the U.S. Navy, and serves as a central point for academia and industry to join forces with Navy technical experts to develop solutions to needs in naval machinery.

Consistent with its core equity responsibility, NSWC Philadelphia Division fulfills key functions including research, design, development, shipboard and land-based test and evaluation, acquisition support, in-service engineering, fleet engineering, integrated logistics support and concepts and overall lifecycle engineering.

NSWC Philadelphia Division provides the Navy's primary technical expertise and facilities for both naval machinery research and development and naval machinery lifecycle engineering.

Mission

NSWC Philadelphia Division provides research, development, test and evaluation, acquisition support, engineering, systems integration, in-service engineering and fleet support with cybersecurity, comprehensive logistics, and life-cycle savings through commonality for surface and undersea vehicle machinery, ship systems, equipment and material.

Vision

Shape the Navy's future by continuously expanding machinery systems advantages through technical dominance.

Technical Capabilities

- Surface and Undersea Vehicle Machinery Systems Integration
- Surface and Undersea Vehicle Mechanical Power and Propulsion Systems
- Surface and Undersea Vehicle Electrical Power and Propulsion Systems
- Surface and Undersea Vehicle Auxiliary Machinery Systems
- Surface and Undersea Vehicle Hull, Deck, and Habitability Machinery Systems
- Surface and Undersea Vehicle Machinery Automation, Controls, Sensors and Network Systems
- Advanced Logistics Concepts and Hull, Mechanical and Electrical (HM&E) Life Cycle Logistics Support
- Ship Recoverability and Damage Control
- HM&E for Undersea Vehicle Sail Systems and Deployed Systems
- Shipboard Waste and Hazardous Materials Management Systems
- Surface Ship and Undersea Vehicle Machinery Systems Integrity
- Shipboard Habitability Systems
- SUBSAFE Supervising Authority and Level-I Material Certification

Major Facilities

- Electric Drive Test Facility (EDTF)
- DDG-51 Land-Based Engineering Station (LBES)
- Shock & Vibration Laboratory (Deck Simulating Shock Machine)
- Submarine Life Support Test Site
- Gas Turbine Life Cycle Support Facility
- Advanced Data Acquisition, Prototyping Technologies, and Virtual Environments Lab (ADAPT.VE)
- Large Scale Machinery Anechoic Chamber
- Submarine Sail Test Site
- Submarine Towed Buoy Facility
- Weapons & Cargo Elevator Land Based Engineering Site
- Shipboard Hydraulics Lab
- Fluid Systems Machinery Silencing Lab
- Depth Control Valve Silencing Facility
- Volumetric Flow Calibration Laboratory

Philadelphia Division

For additional information, please contact:

NSWC Philadelphia Division Public Affairs
Phone: (215) 897-1200/2002
Email: NSWCPD_CPAO.fct@navy.mil
Web: www.navsea.navy.mil/Home/WarfareCenters/NSWCPhiladelphia.aspx

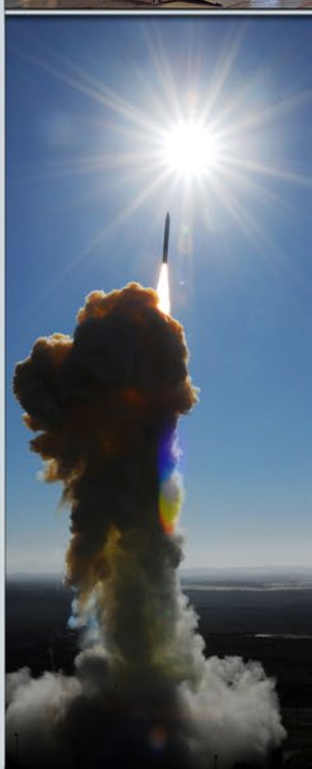
For employment opportunities, please contact:

NSWCPD_jobs4u.fct@navy.mil

NSWC PORT HUENEME DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS



NAVSEA WARFARE CENTERS

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NSWC PORT HUENEME DIVISION

NAVAL SEA SYSTEMS COMMAND

WARFARE CENTERS

Naval Surface Warfare Center Port Hueneme Division (NSWC PHD) maintains technical expertise at locations across the United States with engineering and logistics in Port Hueneme, Calif.; search radar engineering in Virginia Beach, Va.; and live-fire testing in White Sands, N.M. NSWC PHD is the Navy's center of excellence for in-service engineering, test and evaluation, and integrated product support for surface warfare combat and weapon systems. Since its inception in 1963, NSWC PHD has supported fleet combat and weapons systems by providing highly-skilled personnel and state-of-the-art facilities to lead the development and support of Navy surface ship warfare systems throughout their life cycle.

NSWC PHD focuses its technical capabilities on Next Generation In-Service Engineering, which involves direct connectivity to the fleet on a global basis and the immediate availability of around-the-clock access to products, services and fleet-support capabilities. Next Generation In-Service Engineering supports predictive system failure, remote diagnostics and corrective action via real-time networked communications.

Mission

Integrate, test, evaluate, and provide life-cycle engineering and product support for warfare systems

Vision

Keeping our Navy underway, combat ready and effective

Capabilities

"Cradle to Grave" lifecycle engineering and sustainment planning to ensure combat and weapon systems work together effectively to accomplish ship, strike group and theater warfare assigned missions. Naval enterprise area assignments include surface, aviation, expeditionary combat, NETWAR FORCEnet and undersea for over 50 major acquisition programs.

For additional information, please contact:

Naval Surface Warfare Center Port Hueneme Division
Command Communications Office
4363 Missile Way
Port Hueneme, CA 93043-4307
www.navsea.navy.mil/Home/WarfareCenters/NSWCPortHueneme
nswcphd_cco@navy.mil
(805) 228-6150

For employment opportunities, please contact:

Naval Surface Warfare Center Port Hueneme Division
Attn: Recruitment Coordinator
4363 Missile Way
Port Hueneme, CA 93043-4307
prth.navsea.recruit@navy.mil

Onshore and at-sea live-fire testing of naval weapons in support of weapon system acquisition (missiles and laser systems), assembly of weapons for live-fire testing, launch of research rockets and assembly, including launch of low and medium fidelity theater ballistic targets.

Technical Capabilities

- Strike Force Interoperability and Theater Warfare Systems
- Surface and Expeditionary Combat Systems
- Surface and Expeditionary Weapon Systems
- Underway Replenishment Systems
- Surface and Expeditionary Missile Launcher Systems
- Radar Systems
- Directed Energy and Electronic Weapon Systems
- Littoral Mission Module
- Ballistic Missile Defense Test & Evaluation Target Vehicle Development, Integration and Deployment

Major Facilities

- Self Defense Test Ship
- Surface Warfare Engineering Facility
- Underway Replenishment Test Site
- Littoral Combat Ship Mission Package Support Facility
- Vertical Launch System Launcher Lab
- Engineering Development Lab
- Desert Ship – White Sands, N.M.
- Radar Lab – Virginia Beach, Va.

Port Hueneme Division Sites

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