

DAM NECK

Naval Surface Warfare Center

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NAVAL SURFACE WARFARE CENTER, DAHLGREN DIVISION

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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. Dahlgren Division is composed of primary facilities at both Dahlgren and Dam Neck Virginia and includes over 3100 employees; 2300 of whom are scientists and engineers. The Division is considered to be a specialty site for Systems Integration.

The Dahlgren Site's mission is to provide research, development, test and evaluation, analysis, system 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.

The Dam Neck Site's mission is to support the mission of the Dahlgren Division of the Naval Surface Warfare Center by providing force-level integrated and interoperable engineering solutions, mission critical control systems, and associated testing and training technologies to meet maritime, joint, special warfare and information operation requirements related to surface warfare.

Dahlgren Division translates the warfighter's needs in our mission areas into technical solutions by developing and supporting systems, technologies, concepts and tactics that enable our nation's forces to conduct their missions safely and effectively across the full spectrum of operations from peacekeeping to warfighting to nation building.

Dahlgren's technical expertise was originally focused on guns, ordnance and ballistics. Over the years, as weapons development became more tightly coupled to weapon and combat systems development, and now, as complex weapon systems are developed as families of systems and integrated to deliver system of systems capabilities, our "tool box" of technical expertise has expanded to keep pace with this growing scope and diversity.

In recent years, Dahlgren Division has consistently executed over \$1B in tasking from sponsors. Our work includes the full range of challenges associated with active RDT&E institutions. Our tasking and products span the gamut from basic and applied research to systems engineering and analysis, to prototype/product development, to testing and system certifications to deployments and fleet modernization. The Dahlgren site is more heavily tasked in applied research and in systems design, development, test and integration as well as systems certification. The Dam Neck site focuses more on training, integration and operational sustainment.

Dahlgren's mission defines three high level core competencies:

- Surface Navy warfare systems integration and certification.
- Warfare analysis, research, development, engineering, test and evaluation, training, and warfighter reachback for Naval and Strategic systems.
- Technical understanding of related areas of military systems and capabilities for naval warfighting and force protection in the national security context.

More specifically, the Dahlgren Division supports the PEOs and Warfare Center Enterprise in its primary roles to:

- Execute Technical Authority for surface warfare systems
- Certify the safety and effectiveness of fleet products
- Retain technical capability to anticipate and respond to current and future national needs
- Serve as the interface between fleet and shore infrastructure
- Ensure government control and technical integrity of the acquisition and lifecycle processes

- Ensure the availability of uniquely military products and services and provide facilities not commercially feasible
- Ensure interoperability of warfare systems and integrated warfighting capability
- Provide rapid response capability
- Act as a redundant supplier for surge and/or fragile industries
- Translate user needs into technology requirements for industry
- Avoid technological surprise
- Perform governmental tasks in RDT&E and in-service support in related product lines.

The Division's major facilities include:

- Chemical Biological Defense Laboratory
- Distributed Engineering Plant
- Electromagnetic Railgun Launch Facility
- Explosive Experimental Area E3 Facilities
- Integrated Command Environment (ICE) Lab
- Maginot Open Air Test Site
- Mission Assurance Operation Center
- National Innovative Technology and Mission Assurance Center
- Open Architecture Computing Facility
- Potomac River Test Range
- Search and Track Sensor Test Site
- Directed Energy Lab and Test Areas
- SLBM Facility
- Tomahawk Weapons Lab
- Human Performance Lab
- Multifunction Land-based Test Site (w/ VACAPS)
- Joint Test and Training Facility

Through commitment to technical competence and forward-looking strategies, Dahlgren Division provides the science, technology, and engineering in our mission areas to bridge between the requirements and challenges of the warfighter, and the industrial capabilities and capacities of our private-sector partners. This critical linkage results in the highest quality, affordable and timely warfighting capabilities being provided to our men and women in uniform. Our Vision is to become the Department of the Navy's leading warfare system architect and system engineer in our mission areas, recognized as the technical leader in delivering innovative, affordable, and effective solutions for the Navy, Joint Forces, and the Nation.



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We are looking for scientists and engineers in different fields. For employment opportunities, please send your résumé to

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