

NSWC DAHLGREN DIVISION

DAHLGREN | DAM NECK



NAVAL SURFACE WARFARE CENTER – DAHLGREN DIVISION
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OVERVIEW

NSWC Dahlgren Division (NSWCDD) 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. NSWCDD has two primary sites – its headquarters at Dahlgren, Virginia and the Combat Direction Systems Activity (CDSA) Dam Neck in Virginia Beach, Virginia – as well as detachments and off-site locations across the United States.

The 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. NSWCDD 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.

OUR 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.

OUR 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.

OUR STRATEGIC GOALS

Technical Excellence: Deliver innovative solutions for emerging warfighter challenges by leveraging our Core Naval Systems Development and Integration capabilities.

Workforce: Attract, develop and retain a talented, diverse and engaged workforce.

Strategic Communications: Clearly and deliberately articulate NSWCDD's value to key audiences.

Business Excellence: Establish and utilize an effective and efficient business model that enables our technical mission.

OUR STRATEGIC THRUSTS

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

Our capabilities and facilities are critical to our success. Dahlgren RDT&E is anchored to the Potomac River Test Range, which provides a fully instrumental over-water capability to develop and evaluate naval systems in a marine environment.

Technical Capabilities

- Chemical, Biological, and Radiological Warfare Defense Systems RDT&E
- Cyber Warfare Engineering
- Directed Energy Systems RDT&E
- Force & Surface Platform Level Warfare Systems Analysis & Modeling
- Force Level Warfare Systems Engineering and Integration
- Force Level Warfare Systems Interoperability Engineering

- Human Systems Integration Science and Engineering
- Integrated Surface Combat Control Systems Support
- Integrated Training Systems
- Joint Command and Control Systems Integration and Architecture Development
- Marine Corps and Other Weaponry Systems RDT&E
- Missile Systems Integration
- National Response Missions, including Homeland Security and Defense
- 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 Combat Control Systems S&T, RDT&E
- Surface Combat Systems Engineering & Integration RDT&E
- Surface Conventional and Electromagnetic Gun Systems RDT&E
- Surface Conventional Weapon Control Systems 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
- Surface Warfare Systems Safety
- Tactical Common Data Communications Systems Integration and Interoperability
- Weapon Systems Analysis, Effects, & Effectiveness
- Weaponization of Surface & Air Unmanned Systems

Major Facilities

- Advanced Spatial Technology Research Analysis Lab
- Asymmetric Technology Innovation Lab
- Bateman Chemical, Biological and Radiological Warfare Lab
- E3 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



Distribution A: Approved for public release; distribution unlimited.
October 2015

ADDITIONAL INFORMATION

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EMPLOYMENT OPPORTUNITIES

We are looking for scientists and engineers in different fields.

To view current openings and to apply, please visit:

www.usajobs.gov