



# Electrical / Mechanical Engineer

Naval Surface Warfare Center Carderock Division, Acoustic Trials Detachment

## POSITION DESCRIPTION

Naval Surface Warfare Center is the U.S. Navy's state-of-the-art research, engineering, modeling and test center for ships and ship systems. We have over 3,200 scientists, engineers, and support personnel working in more than 40 disciplines ranging from fundamental science to applied engineering. In this hands-on position, you may supervise, lead or perform various technical duties concerned with the application of the fundamentals and principles of professional engineering, computer hardware, systems software, computer system architecture and integration, and mathematics. This field is primarily concerned with complex computer-based systems that require research, design, development, and maintenance of computer equipment and interfaces (hardware) and applications and support (software). Your duties may include software development and maintenance; originating, evaluating and implementing designs for computer system architecture, software development, and operator/machine interfaces for combat systems; and computer integration engineering. Work on challenging assignments, in tropical locales, that directly impacts the success of our Naval Fleet.

## JOB DESCRIPTION

This position is located at the Acoustic Trials Detachment (ATD) of the Naval Surface Warfare Center, Carderock Division (NSWCCD) in Titusville, Florida. Join our small dedicated team in designing, developing, and maintaining cutting edge data acquisition, data processing, tracking, and data analysis systems that are instrumental in maintaining our Navy's acoustic superiority. This position includes opportunities to nurture the innovative spirit in developing advanced systems, enhancing naval performance, reducing operating costs and addressing the Navy's evolving mission. Our mission is to provide research, development, test and evaluation, analysis, acquisition support, in-service engineering, logistics and integration of surface and undersea vehicles and associated systems.

## QUALIFICATIONS

Bachelor's degree or higher in Electrical or Mechanical Engineering is required. This position will require a security clearance or the ability to obtain one. In addition to a background investigation, a security clearance is only granted to U.S. Citizens

## Travel

Approximately 1 week/month travel to Andros Island, Bahamas and/or other NSWCCD facilities.

## U.S. Citizenship Required

Submit resumes to [RECRUITWB.fct@navy.mil](mailto:RECRUITWB.fct@navy.mil) and out ATD Job Posting in the subject line.

## **Acoustic Trials Detachment (ATD) - Titusville, Florida**

This detachment, originally located in Cape Canaveral, now in Titusville, Florida, is the Depot Level Maintenance Facility which provides management and logistic support for East Coast full-scale ship and submarine acoustic trials. The personnel at the ATD are responsible for the operation of the South TOTO Acoustic Measurement Facility (STAFAC) in the Bahamas.



## **South TOTO Acoustic Measurement Facility (STAFAC)**

As the Navy's primary full-scale acoustic measurement facility in the Atlantic, the South TOTO Acoustic Measurement Facility (STAFAC) provides the capability to perform RDT&E evaluations to determine the sources of radiated acoustic noise, to assess vulnerability and to develop quieting measures.

Located at the Atlantic Undersea Test and Evaluation Center (AUTEC) in Andros, Bahamas, the STAFAC facility provides an ideal ship acoustic measurement site characterized by low ambient noise and minimal noise interference. The facility consists of a remote site of sensors to collect acoustic signatures of submerged submarines or surface ships while underway for a variety of speeds and operating conditions as the submarine transits back and forth between the dual bottom-mounted acoustic arrays. The signal processing and in-water hardware were designed to easily accommodate a variety of sponsors and requirements.

