



## ORLANDO, FL

NAVAIR Orlando is one of eight Naval Air Systems Command sites that provides the highest standard in warfare technology through supremacy in naval aviation technologies. The Training Systems Division (TSD) at Orlando is part of the Naval Air Warfare Center Aircraft Division.

### MISSION

The TSD supports NAVAIR in providing the warfighter with absolute combat power through technologies that deliver dominant combat effects and matchless capabilities. TSD is the principal Navy center for research, development, test and evaluation, acquisition and product support of training systems and to provide inter-service coordination and training systems support for the Army and Air Force.

### PRODUCTS AND SERVICES

In Orlando, NAVAIR enjoys the advantages of over fifty years of partnering among the military services, industry, academia and state and local government. Orlando is the Navy's source for a full range of innovative products and services that provide complete training solutions. This includes requirements analysis, design, development and full-life cycle support. Of significance is Orlando's ability to provide continuous learning across a wide variety of applications (aviation, surface, undersea, etc.). The division integrates the science of learning with performance-based training and measurement of training effectiveness focused on improving the performance of Sailors and Marines. Work is accomplished by leveraging with industry, academia and other partners. We continually engage the warfighter to understand challenges, solve problems, create new capabilities and provide essential support.

### PEOPLE

Orlando comprises approximately 1,000 employees. Of those, most are located in Orlando, including about 100 active-duty military. The remainder of the Orlando employees serve at 43 field sites across the nation, including command representatives in Washington, DC; Norfolk, VA; Pensacola, FL; and San Diego, CA. Orlando's workforce is a highly educated one with 33 doctorate, 227 masters and 470 bachelors degrees. The average salary of Orlando employees is \$71,000.

### FACILITIES

The Orlando site is located on forty acres ceded to it by the State of Florida. This facility forms the core of an unparalleled training and simulation infrastructure. On the same site, the Navy hosts the Army and Marine Corps commands that have the same training development mission for their respective services. Within the Research Park that surrounds this space, Air Force, Department of Defense and Joint Services projects also have a major presence. The TSD also shares space with the University of Central Florida and is working hard to expand its capability through highly integrated partnerships with the university. In and around the Research Park simulation, training and human performance industry has offices, plants and parallel infrastructure that support and reinforce the government partnerships. This geographic concentration and co-location provides a highly symbiotic and mutually dependent relationship that reduces costs, advances technology and maximizes shared resources.

## ACCOMPLISHMENTS

Orlando is leading the Human Performance Cell for the Chief of Naval Operations (CNO) Task Force for Excellence through Commitment to Education and Learning (EXCEL). Task Force EXCEL's goal is to revolutionize and revitalize Navy training and education by providing Sailors the opportunity to succeed and prosper in their professional and personal lives. The Human Performance Cell is responsible for researching and developing performance requirement solutions that accurately address fleet needs including recruiting and retention as well as other requirements.

The Division's programs for Aviation, Surface, Undersea and Special Emphasis have accelerated fleet readiness by delivering quality products in a timely fashion for our Warfighters. For example, the innovative multi-year, multi-vendor Training Systems Contract (TSC) Indefinite Quantity Contact (IQC) with PMA-205 has enabled the organization to reduce procurement lead times and deliver the best product at the best price. Another innovative contract strategy was to develop an IQC for our Fielded Training Systems Support (FTSS) effort. Some of the major programs where Orlando has increased its participation over the last three fiscal years are:

- ◆ F/A-18 – Procurement of the F/A-18 initial training suite upgrade to include all maintenance and aircrew trainers.
- ◆ NASMP – Program definition and network planning that will lead to fixed Naval Aviation Fleet Readiness Squadron training problems.
- ◆ MCASMP – Training systems analysis and the procurement of integrated Marine Corp simulators for CH-46/CH-53/F/A-18 trainers; development of network environment.
- ◆ JSF – Supporting the Autonomic Logistics Directorate of the Joint Strike Fighter Program Office (JSFPO) in concept feasibility, design, test and demonstration of the JSF Training continuum.
- ◆ ACTC – Support to PMA-205 in the Aircrew Training Continuum initiative to standardize Post Fleet Readiness Squadron training.

The TSD has applied 21<sup>st</sup> Century virtual reality technology and delivered numerous submarine trainers to the Fleet. Examples of new trainer deliveries include:

- ◆ Virtual Environment for Submarine (VESUB) Shiphandling Trainers
- ◆ Advanced Electronic Classrooms

NAVAIR Orlando's Surface Program Directorate has been named program manager for the number one training initiative for Surface Warfare: Navigation, Seamanship & Shiphandling (NSS), which focuses on insertion of virtual reality with PC-based shiphandling training technology in the training continuum, both ashore and shipboard.

NAVAIR Orlando's Homeport Training Program (HPT) put the initial Navy Law Enforcement/Master at Arms training contract in place in seven workdays from initial tasking/first notice of requirement. This program also has an IQC contract to provide regularly scheduled or rapid response training support in a variety of engineering, maintenance, electronic, C41 and other courses required for Battle Force readiness and deployment.

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