

Operations and Training in the Virtual Environment

FACT SHEET

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Applies to complex shipboard training

Every day, the U.S. Navy worldwide faces operational, repair, maintenance and security challenges aboard its ships, stations and activities. What ensures the Navy's continued ability to maintain its role as a global force? Highly trained and technically competent Sailors.

Innovative, adaptive, immersive, operational-level, game-based training that appeals to and excites today's Sailors increases operational proficiency and improves readiness while minimizing the incidence of procedural and safety incidents.

As a trusted industry partner and leader in organizational training, General Dynamics Information Technology is uniquely poised to prepare individual Sailors, watch teams and crews for the dynamic and ever more complex operating environment at sea and ashore while working within cost constraints.

Customized, game-engine based solutions for any scenario

Specialized Training Options

Game-based, virtual reality options support training for complex tasks, evolutions and casualties to meet the unique requirements for operations at sea during daily and specialized operations or emergency situations. We offer customized options that provide the capabilities to develop complex system models and immersive simulations. Our human performance technologists assist in the development of metrics to assess the cost-effectiveness of individual or watch team training and crew proficiency.

Course Content and Delivery

Training and learning management systems help our customers manage watch-standing proficiency, situational awareness and problem solving capabilities. These systems are tailored to the individual needs of both management and staff, and are designed to lay out a training plan to ensure each Sailor receives the proper training at the appropriate time. Our expert training technologists develop the appropriate level of immersion and mobility that is geared toward the Sailor and subject matter.

Value Propositions for Your Competitive Advantage:

- ✓ Maximize operational efficiency
- ✓ Train high-risk procedures
- ✓ Environmentally friendly
- ✓ Available anytime and anywhere
- ✓ Meet expectations of today's learners
- ✓ Desktop simulations
- ✓ Mobile applications for training delivery
- ✓ Learning and performance improvement solutions
- ✓ Electronic performance support systems (EPSS)
- ✓ Learning and learning content management systems (LMS/LCMS)
- ✓ Human performance assessment



Complete range of shipboard operations

Customized Virtual Environments

Allow replication of any specific facility layout to enhance/permit:

- Integrated into an operational scenario (e.g. operations center in a 2D display environment with the response team in a 3D tactical environment)
- Firefighting or emergency response training (Chemical, Biological, Radiological, Nuclear and Explosive included)
- Maintenance or planning environments (e.g. powerplant maintenance and repair rehearsal)
- Security training (a variation of a multi-player "first person shooter" game)
- Linked locations (more than one team participating at a given time)

Are appropriate for:

- Shipboard and maritime environments
- Firefighting damage control applications
- Power plant environments (nuclear and traditional)
- Port/airport security and response environments
- Oil and gas industry applications (ocean rigs, refineries, fracking sites)

Learning environment agnostic:

- Access to industry-leading game, scenario generation and 3D graphics technology
- Training from basic skills to the most complex certification requirements
- Externally or internally hosted (in the case of organizations with firewalls such as the U.S. Military)
- Scalable capacity for simultaneous participants
- Participation from any location, worldwide
- Synchronous, asynchronous and blended training

About General Dynamics Information Technology

As a trusted systems integrator for more than 50 years, General Dynamics Information Technology provides information technology (IT), systems engineering, professional services and simulation and training to customers in the defense, federal civilian government, health, homeland security, intelligence, state and local government and commercial sectors. Headquartered in Fairfax, Va., with major offices worldwide, the company delivers IT enterprise solutions, manages large-scale, mission-critical IT programs and provides mission support services. General Dynamics Information Technology is one of four business units of the General Dynamics Information Systems and Technology business segment.

7528 - 11/10/15

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