



TOTAL TRAINING SOLUTIONS

Enhancing the Performance of Warfighters,
Teams and Organizations

Learning Solutions Front End Analysis Performance Support
Acquisition Support Training Devices Sustainment
Support Sustainment Workforce Planning
Learning Solutions Front End Analysis
Management Acquisition Support Training
Performance Support Sustainment Workforce
Devices Gaming Simulations Learning
Management Workforce Planning Learning Management
End Analysis Performance Support Sustainment



Total Training Solutions

Enhancing the performance of warfighters, teams and organizations.

Kratos is your partner across the training and performance lifecycle with a total focus on achieving just one objective: Developing Warfighters and workers who are ready to perform their missions at the highest levels of excellence.

Kratos specializes in delivering Performance-Based Training and Learning Products in the optimal blend of media to meet your objectives, including industry-leading training devices as well as courseware that employs the most advanced interactive, web, gaming, social media and mobile technologies.

We take a fully integrated lifecycle approach, leveraging cross-disciplinary expertise to assure linkages between mission, goals, skills, competencies and performance in the field. Informing our training solutions are research-based methodologies that assure excellence and preparedness, from front-end analysis and requirements definition to assessing the key indicators of performance. Kratos can help you:

- Identify organization, unit, team and individual competencies that align with your mission
- Apply instructionally sound learning approaches that drive identified performance outcomes
- Develop and sustain training systems and devices
- Define the optimal blend of media to achieve identified requirements
- Manage and sustain the end-to-end learning environment

Services To Support Kratos Total Training Products

The heart of effective training programs are the simulators, devices, systems, courseware and other products that students and Warfighters interact with directly. But as learning professionals know, tremendous effort goes into planning, acquiring and sustaining those solutions, and Kratos can help with total training solutions that include:

Workforce Planning

Kratos can help you identify performance gaps, causes and solutions using methodologies that match mission-defined performance outcomes to job requirements, knowledge, skills and abilities of your target workforce. Our analysis considers the unique environment, business processes, incentives, motivation and more. Our deliverables include recommendations that enhance performance, such as personnel and work requirements, competency profiles, training specifications and change management plans.

Learning Management

Kratos has years of experience in managing courses, instructors and students in both training facilities and web-based environments. We provide technical, program and administrative support to ensure smooth facility operations, as well as assistance with Learning Management Systems (LMS) selection, implementation, connectivity and operation. Kratos even has its own web-based LMS, Veloce™, used globally by both government and commercial customers.



CASE STUDY

Kratos helps IRS Deliver Updated Tax Training

The Internal Revenue Service (IRS) requires that all Volunteer Income Tax Assistance (VITA) and Tax Counseling for the Elderly (TCE) volunteer tax return preparers be trained and certified. Link & Learn Taxes was initially developed in 2005 by Kratos to support the IRS with its training needs. Kratos updates the five-day instructor-led training program and web-based training program (Process Based Training and Link & Learn Taxes) yearly to train new and returning volunteers. During peak periods, the Link & Learn Taxes web-based training, delivered via www.irs.gov, has had 24 million pages viewed by more than 500,000 site visitors. In 2008, VITA/TCE volunteers, using the online Link & Learn Taxes curriculum, prepared over 3.5 million tax returns. Beginning in 2006, to comply with new IRS volunteer certification requirements, Kratos offered a learning assessment engine to track and certify volunteers. During the last 3 years, there have been more than 180,000 certifications issued.

Acquisition Support

Kratos helps Executive Offices achieve streamlined, seamless and accountable acquisitions by delivering Manpower, Personnel and Training (MPT) milestone products in support of programs of record. Our unique, activity-based methodology positions Acquisition Program Managers for success both in their Systems Engineering Technical Reviews as well as their Milestone Decision Authority Submissions by collecting, validating and presenting manpower estimates, training systems plans, human systems integration tradespace analysis and cost elements for any acquisition program.

Sustainment

Kratos can support life-cycle maintenance of your courseware, training solutions, and training systems with design and development services and through our Contractor Field Services Support. Kratos experts conduct on-site familiarization courses and On-the-Job Training for corrective and preventive maintenance of the training systems. Our support team is capable of maintaining systems designed by Kratos or another supplier, upgraded systems, hardware/software updates, sustainment of current systems and an array of other sustainment projects.



Simulation and Training Devices

Training environments that develop mission ready personnel.

Kratos designs, engineers and manufactures some of the most effective, state-of-the-art and reliable training systems used by the modern Warfighter.

This includes full-task systems that put the Warfighter into a full or partial-shell of the platform with training tasks that may include electrical wiring, avionics, electrical components or an array of other specific tasks. In addition, our proven part-task systems provide performance-based training at a lower cost and faster delivery time than full-task or other systems.

Both full and part-task training systems can be applied to operational and maintenance simulators of fixed-winged aircraft and rotorcraft, ground combat vehicles, and naval vessels. Kratos devices provide the Warfighter with the realistic scenarios they will later face in the field, in an instructor controlled environment. Each program is carefully managed, with supportability engineering and life cycle logistics integrated into the systems engineering process. Kratos also provides the knowledge and experience to make system enhancements and platform modifications to current training devices already in place.



Chinook Avionics Trainer



Black Hawk Avionics Trainer



High Mobility Artillery Rocket System (HIMARS)

LIST OF KRATOS TRAINING DEVICES

Fixed Wing

EA-6B Operational Flight/Navigation Trainer
T-44C Operational Flight Trainer Avionics Upgrade
F-5n Instrument Flight Trainer
AV-8B Multi-Task Trainer
AV-8B Landing Gear Trainer

Rotorcraft

CH-53D Operational Flight Trainer
UH-60 Medical Suite Trainer
Black Hawk Electrical Trainer
Black Hawk Avionics Trainer
Chinook Avionics Trainer
Avionics Basic Electrical Trainer
UH-60L Black Hawk Avionics Wiring Systems Trainer
UH-60L Black Hawk Landing Gear trainer
UH-60 Black Hawk Static Hoist Trainer
UH-60L Black Hawk Remove and Replace Trainer
Black Hawk Rotor Brake Trainer
Black Hawk Systems Trainer
Common Missile Warning Systems Maintenance Trainer
Common Missile Warning Systems Maintenance Trainer-Apache

Ground

Reconfigurable Vehicle Simulator-Armored Security Vehicle
High Mobility Artillery Rocket System
Multiple Launch Rocket Systems Trainer
M1 Abrams Hands On Trainer
M1 Abrams Integrated Management Embedded Diagnostics
Simulation Network Upgrades Plus Program

Other

Landing Craft Air Cushion
Parachute Overwater Survivability Trainer



CASE STUDY

Upgrading a Critical Army Platform

The U.S. Army needed a rapid and cost effective technology refresh and systems upgrade to the M1 Abrams Maintenance Training System. Kratos delivered by using refurbished frames, onto which a combination of Kratos-designed and GFE components were installed that provided engineering, mechanical and electrical design; developed drawing packages; provided fabrication, assembly and testing on a total of 18 Abrams trainers.

Total Training Systems

Kratos was selected by the Utility Helicopter Program Office to provide the UH-60M Black Hawk Avionics Maintenance Trainer (BHAT - M). This effort consisted of design, development, integration, test and installation of the BHAT-M, a training device that provides an environment for training and evaluating UH-60M maintenance personnel in operation, fault isolation and repair of the avionics equipment. The student station consists of a replica of the cockpit, cabin and transition, and an instructor station that includes computing equipment needed to run the training session while monitoring the student's progress.

Performance-Based Learning Solutions

Instructional excellence that enhances readiness.

Kratos is your full-spectrum learning solutions provider specializing in identifying and developing performance-driven learning solution using the right blend of media for your workforce. Starting with a thorough Front End Analysis and rigorous Instructional Systems Design processes, Kratos delivers award-winning training products customized to your needs and employing the most advanced gaming, simulations and web-based technologies, as well as instructor-led training delivered in the classroom or in the field.



Front End Analysis

A Kratos Front-End Analysis helps you identify performance gaps and determine optimal interventions or solutions. Using research-based methodologies, we start by profiling the job requirements, knowledge, skills and abilities of the target workforce and identifying performance outcomes. The analysis considers your work environment, mission, strategy, processes, work incentives, motivation, doctrine and other defining factors. The resulting deliverables can include Needs Analysis, Job or Task Analysis or a Media Delivery Analysis as well as recommendations that drive a range of performance and training solutions.

Instructional Systems Design

Kratos employs theories of cognition, motivation, adult learning theory and a criterion-based framework to form the foundation of our instructional approach. With experience across a range of instructional methodologies and processes, we work closely with clients to analyze and determine the best course of action prior to the start of design. Our core capability is designing the appropriate blend of solutions to meet your organization's unique needs, capabilities and outcomes which may include, web-based courseware, instructor-led training, simulations and gaming, as well as performance support solutions.



Gaming and Simulations

Kratos has deep experience in developing eLearning, gaming-based courseware, simulations, simulators, job aids, Web 2.0, electronic performance support and many other learning media. Advanced gaming solutions help Warfighters and other learners quickly become familiar with mission roles and requirements. Kratos-designed simulations and gaming solutions span training domains ranging from IT technology, such as creating a Virtual Radio Room, to ground and air weapons scenarios.

Web and Technology-Based Courseware

Kratos integrates rich content experiences, social media, interactivity, practice, feedback, and assessment opportunities to prepare learners for on-the-job tasks, improve their use of technical systems and follow mission-aligned processes. Authentic scenarios and contextual learning improve comprehension and skills transfer to the job environment. Solutions are compliant with government specifications such as SCORM and Section 508 and easily integrate with Learning Management System repositories.

Instructor - Led Training

In the classroom or the field, sometimes classic instructor-led training is still the most effective solution. Kratos can deliver subject matter expertise and certified technical training aligned to government standards including US Navy NAVEDTRA and US Army TRADOC Instruction 350-70. Performance-based activities support learning retention and summative evaluations to identify overall training impact. Using a variety of metrics and feedback mechanisms, modifications are implemented to continuously refine instruction and improve performance.

Performance Support Tools

Sometimes the best intervention is a unique Performance Support tool. Our human factors engineers, industrial/organization psychologists and instructional staff design self-study guides, learning portals, online tools, printed job aids, embedded help systems and other solutions in a variety of media. Sound information management methods lower total ownership costs by realizing significant content re-use across performance support and learning products.



CASE STUDY

Kratos Conducts Front-End Analysis for the Navy Network Administrator

The U.S. Navy sought an analysis effort to define competency requirements for Network Administrators throughout a career path. Additionally, the Center for Information Dominance (CID), as the responsible Learning Center, needed to manage lifecycle training support by optimizing training resources, eliminating gaps and redundancies, and addressing unmet training needs. Kratos assisted CID by determining knowledge and performance requirements, in the form of competencies tied to mission requirements, and plotting them over the Information Systems Technician career path. By identifying logical learning objects from the competency data that should be trained, and conducting a thorough Delivery Media Analysis, the Kratos team determined which media would be ideal for delivery of each learning object. The results of this full and comprehensive analysis allowed CID to better plan and support their mission to manage curriculum, deliver instruction, and identify training progression over the continuum of an IT's career.



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Training Devices Simulations Gaming Learning Management Solutions Workforce Planning Front End Analysis Performance Support Acquisition Support Training Devices Gaming Sustainment Workforce Planning Learning Solutions Front End Analysis Management Acquisition Support Training D Gaming Performance Support Sustain Training Devices Learning Solutions Front