Logistic Services International (LSI)

Capabilities & Lines Of Business



WWW.LSIJAX.COM



LSI is an employee-owned training company incorporated in the state of Florida as a Sub-Chapter S Corporation with an employee base between 400 and 500 employees. LSI's Corporate Headquarters and production facilities are located in Jacksonville, FL. Our management and production processes follow the industry's best practices as certified annually through an independent International Organization for Standardization ISO 9001:2015 audit. LSI has earned an enviable reputation for training innovation, responsiveness, and reliability. Core competencies are:

- Training Devices and Simulation
- Manufacturing and Fabrication
- Virtual Interactive Training
- Curriculum Development
- Instructional System Design

- Worldwide Training Support Services
- Technical Data Support
- Mobile Applications
- Electronic Classrooms

Our focus remains within the federal Government, partner nations, and those OEMs and industry partners supporting both.

TRAINING DEVICES & SIMULATION

LSI has produced 125 training devices for the US Army valued at over \$147M over the past five years. In addition, we have updated surface craft trainers, are building deployable mission rehearsal trainers for the Navy/Marine Corps, and high-fidelity trainers for the USAF. LSI's training devices are designed to improve knowledge transfer, enhance retention, shorten time-totrain, and present training interactively in a way that resonates with today's young military and civilian students. The system engineering processes employed during the design and development were optimized by LSI to be low cost, by employing damaged/ scrapped/retired airframes, and highly effective, by carefully analyzing requirements and building functionality to match. Our engineering staff and production facilities have grown to accommodate our customers' training device and simulation demands. LSI consistently delivers high quality training devices of all kinds from desktop simulations to full scale helicopter maintenance training devices.





MANUFACTURING & FABRICATION

LSI LSI's operates a 60,000 Sq. ft. manufacturing & production facility located on a 17,000-acre State-Of-The Art Commercial Center with direct access to four active runways. Our multi-faceted craftsmen and AWS certified welders bring Depot, Intermediate, and Organizational level maintenance experience to every project. To ensure efficiency, our facility is equipped with an enterprise resource planning (ERP) system that allows LSI to track materials and job status in real time.

Core Services include

- Ground up Design
- Rapid Prototyping
- Engineering
 - Mechanical, Electrical, Software
 - Romer Arm
- Fabrication
- Welding
 - Carbon, Stainless, Aluminum, 6G certifications
 - Plasma cutting, Oxygen/Acetylene Cutting, Spot Welding, Stud welding
 - Gas Tungsten Arc Welding (GTAW)
 - Gas Metal Arc Welding (GMAW)
 - Brazing copper and copper alloys
- Paint Facility
 - Capacity 60'L x 20'W x 20'H
 - Dry Ice Blasting
- Machine Shop
 - Tooling, Jig & Fixture Manufacturing
 - 4-Axis Computer Numerical Control (CNC)
 - Turning
 - Milling
 - o Broaching
 - Drilling
 - Waterjet Cutting
 - \circ Engraving
- Electrical
 - Laser wire marking
 - Wire harness manufacture to IPC-620 standards
 - Component soldering to IPC-610 Standards
 - o Complete wiring and component installations
 - o Electrical integration with customer furnished systems







VIRTUAL INTERACTIVE TRAINING



LSI has developed virtual environments for aircraft, ships, submarines, land vehicles, support vehicles, radar systems, and more. Virtual environments provide a relatively inexpensive way to train both simple and complex tasks that require high levels of functional fidelity. Training tasks such as familiarization, component location, and complex troubleshooting procedures are ideally suited for training in a virtual environment. Learners can practice procedures multiple times in the virtual environment before performing them on actual equipment. LSI uses Commercial Off The Shelf (COTS) gaming engines to create virtual environments. Our virtual training products are deployable on multiple platforms including both desktops and tablets. Students using LSI virtual training products can now learn in school, at home, and at work. Many of our applications are found on flight lines, ships, and in tents around the world helping warfighters perform their job faster and with greater precision.

CURRICULUM DEVELOPMENT

LSI is one of the largest military courseware and curriculum development companies in the nation. Our courseware development processes support multiple delivery mediums in both instructor-led and self-paced environments, including mobile applications. LSI also provides materials that enhance traditional instructor-led stand-up instruction. LSI has courseware production experience in every branch of the Department of Defense and US Coast Guard.

Venus 2 Enterprise (V2E) is LSI's premier courseware development tool. While employ we also COTS development tools, V2E provides our customers with a powerful, customizable solution that creates SCORM 2004 or Experience API (xAPI) compliant training and apps for mobile devices (iOS and Android), from the same training content - build it once and deploy on multiple platforms. V2E courseware can synchronize learner data (progress, metrics, assessment scores, etc.) with either a traditional SCORM Learning Management System (LMS) or with an



xAPI Learning Record Store (LRS). V2E training content conforms to the latest internet browser standard, HTML5. By embracing the HTML5 standard, LSI has eliminated the need for third party plugins, ensuring compatibility now and in the future. The V2E tool itself is scalable, easily supporting large development teams in a server-based enterprise environment and also functioning as a stand-alone editor on a desktop workstation. LSI provides V2E to our customers free of charge and without licensing fees, including a simplified courseware editor that anyone can use to sustain their training content.



INSTRUCTIONAL SYSTEMS DESIGN

LSI's Instructional Designers hold advanced degrees in education and learning science disciplines. They are experienced in using an array of training requirements analysis and design methodologies including the Analysis, Design, Development, Implementation, Evaluation (ADDIE) process; the Systems Approach to Training (SAT); Human Systems Integration (HSI); and the Naval Education and Training Command (NETC) End-to-End process. The output of our analysis process is a training system design that connects learning objectives with the optimal training media or training device that maximizes knowledge transfer. By applying the correct methodology and leveraging extensive domain experience, LSI designs training that is effective, efficient, and engaging. At LSI, we understand our customers are not buying a training system; they are buying the fully trained, mission-ready warriors the training system produces.

INSTRUCTOR & TRAINING SUPPORT SERVICES

LSI's exceptionally experienced instructors provide training that meets specific Government requirements for numerous military aviation and other academic courses. These services are provided at designated military installations nationwide, at LSI facilities, and at various military facilities around the world. LSI provides full spectrum aviation training, from courseware and classroom instruction for both aircrew and maintenance technicians, to part-task training as well as in-flight training through the instructor level. LSI Instructors bring a wide variety of expertise, we have provided instructors to teach U.S. Navy Seabee construction, U.S. Navy Helicopter pilot simulator instruction, US Army New Equipment Training (NET) Team personnel and

maintenance ground-school instruction and we currently provide Customs and Border Protection with P-3 Pilot training. Our headquarters facility, located on the former NAS Cecil Field, includes three hangars and ramp space that can accommodate both fixed-wing and helicopter training. LSI also designs and installs leading-edge electronic classrooms around the world.



TECHNICAL DATA SERVICES



LSI's technical publications developers use a Quality Assurance-driven team process, designed to reduce costs by minimizing rework and schedule delays due to deficiencies or corrections. We deliver maintenance and operator products that exceed quality expectations, are on-time and within budget. We offer various methods of delivery from the printed page to electronic technical manuals (ETM). S1000D is an international specification for the procurement and production of technical publications.

LSI's premier courseware development tool, Venus 2 Enterprise (V2E), allows easy access to technical S1000D Data Modules (DMs) during the courseware development process. XML DMs, imported into a SCORM package, are linked directly to a SCO in development. The tool parses the DMs and allows for the courseware developer to pull text directly from the technical publication. Once linked, the developer now has a simple way to be notified of a technical change which may have an impact on the courseware content. This kind of surveillance makes courseware development much easier, particularly when courseware development is being performed concurrently with the authoring of the technical publications.

MOBILE APPLICATIONS

Portable electronic devices are as common in the hands of today's learners as three-ring notebooks were to previous generations. Putting training literally in the hands of the Soldier, Sailor, Airman and Marine frees them from the constraints of the classroom so that training content is delivered anywhere, at any time. LSI is at the forefront of this revolutionary change, building first of their kind, leading-edge mobile training applications for the US Navy Recruit Training Command and US Army CH-47 Chinook maintenance and AH-64 pilot personnel. Our Venus 2 Enterprise (V2E) development engine produces stand-alone mobile training applications, usable on iOS, Android and Windows mobile



devices. By utilizing the Advance Distance Learning Co-Labs Experience API (xAPI), our training apps collect student data while off-line. When an internet or network connection to a Learning Record Store (LRS), such as the Navy e-Learning (NeL) system, becomes available, student performance data is uploaded.

ELECTRONIC CLASSROOMS & LEARNING CENTERS

Our electronic classrooms are made up of hardware and software designed to provide the instructors with the tools to actively engage the students. Our electronic classrooms are designed to meet the needs of each customer's learning environment. They consist of servers to support the curriculum, an instructor station consisting of a computer with dual flat panel monitors, student workstations with a computer, and dual flat panel monitors.

SATISFIED CUSTOMERS

LSI provides the full spectrum of training requirements analysis, training content development, training devices, instructor services and technical data services to US DoD, commercial and foreign customers, including:

Commercial

United States
US Army Aviation 128 th Aviation
Training Brigade
US Army Training and Doctrine
Command (TRADOC)
Naval Air Warfare Center Training
Systems Division (NAWCTSD)
Navy Education and Training
Command (NETC)
USMC Training & Education
Command (TECOM)
US Customs and Border Protection
USMC/USAF V-22 Schoolhouses

Commercial
Lockheed Martin
Sikorsky
Northrop Grumman
Bath Iron Works
Pratt & Whitney
General Dynamics
Information Technology

Information Technol Airbus

Foreign Military Sales
Norway
Greece
Germany
Saudi Arabia
Taiwan
Pakistan
Portugal