



SYSTEM ENGINEERING AND PROGRAM MANAGEMENT

- Systems Engineering
- Enterprise Planning
- Program Management

System Engineering Support

LST has unique Systems Engineering technical skills and experience spanning the system lifecycle including early concept development, requirements definition, architecture analysis and design, specification development, alternative analysis and recommendations, system deployment strategy through in-service engineering support, and system decommissioning. Our approach blends the enterprise, domain, and program perspectives to develop holistic solutions that meet client objectives, business needs, and mission requirements. To ensure traceability from concept to implementation, LST develops and maintains the concept of operations, enterprise architecture, requirements, data strategy and exchange models, infrastructure and cybersecurity framework, and systems engineering plans.

We provide specialty support such as functional hazard analysis, safety risk management, RMA analysis and design, configuration control and change management, operational integration, and resilience engineering. LST supports all aspects of test and verification including functional capability verification, system integration, operational suitability, human factors and user experience, and conformance testing.

Within the FAA environment, LST has taken a leadership role within the engineering community. Through our NAS Enterprise Architecture and Requirements support, we develop and disseminate information using initiatives such as the System Engineering (SE) Forum. LST supports the coordination of the SE Forum on a monthly basis, providing an environment for organizations and members across the FAA to define and tackle FAA challenges, share best practices, promote SE as a core element of acquisitions, and educate the SE community about new tools and techniques. Using this forum, LST has helped the FAA to spread awareness of updates to program-level guidance, highlighted the Enterprise Information Management initiative, and brought in special guests on topics such as human factors, traceability, and performance analysis and modeling. Since LST began supporting the initiative, SE Forum membership has increased 23% and it has become a primary setting for SE professionals to share ideas and current work with the rest of the agency and other entities.

LST Quick Facts

- 300+ personnel nationwide
- ISO 9001:2015 certified
- Professional and Technical Services:
 - » Air Traffic Management
 - » Business Services
 - » Operational Support Services
 - » Enterprise Communications & Critical Infrastructure
 - » System Engineering & Program Management

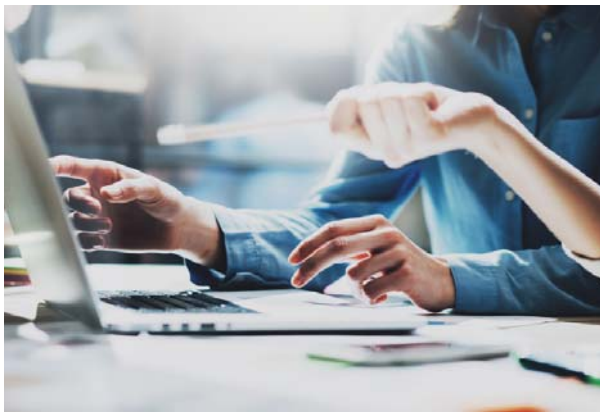
Representative Work Efforts

- FAA NAS Cybersecurity Support
- UAS Concept Development
- FAA NextGen Modeling and Simulation
- SATCOM International Standards Development
- FAA Future Flight Services System Engineering, Architecture, Requirements, and RMA
- UAS System Specification and Safety Risk Management
- FAA Voice Switch Integration T&E
- Software Product Deployment and Training



Program Management Support

In conjunction with our Systems Engineering services, LST provides full lifecycle Program Management support. We partner with program offices to combine strategic direction, programmatic and policy governance, and engineering subject matter expertise to assist with the full range of lifecycle support activities, to provide integrated solutions that meet the Government's evolving needs. Through this partnership, LST provides support from program strategy development through acquisition and deployment as programs move through the AMS, helping them successfully achieve acquisition milestones. We ensure that program documentation including acquisition strategy, engineering products, budget formulation, and benefits case effectively promote the program's objectives.



LST works with organizations to establish and refine program controls and processes to effectively manage and utilize resources. Through this support, we apply best practices to specific program office functions such as requirements prioritization, risk management, stakeholder engagement, business management, configuration management, and scheduling. LST coordinates work across agencies and organizations to develop more agile processes to better support systems engineering activities and growing enterprise needs. We leverage our expertise from all of our core capability areas to support our customers' needs in providing core knowledge and expertise to enable enterprise systems, operational functions, and vision

LST Systems Engineering POCs

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Representative Work Efforts

- FAA Future Flight Services Program (FFSP) Support
- FAA AOA Foundation for Success Support
- FAA Investment Planning and Analysis (IP&A) Support
- FAA AJI Technical Support
- FAA Unmanned Aircraft Systems (UAS) Support