



Systems Engineering

Overview

URS Corporation is a fully integrated engineering, construction and technical services organization with the capabilities to support every stage of the project life cycle—from inception through start-up and operation to decommissioning and closure. We offer program management; planning, design and engineering; systems engineering and technical assistance; construction and construction management; operations and maintenance; and decommissioning and closure services.

Combining forces with URS, Apptis now offers an expanded range of services. With deep experience in federal government driving the latest innovative technology advancements such as Cloud Computing, URS-Apptis is a fully integrated engineering and technical services organization delivering IT and communication services to federal agencies and all branches of the military.

Core Capabilities

- Secure Cloud Computing
- Integrated Cyber Solutions
- Software Engineering
- Systems Engineering
- Enterprise Management
- Network Engineering
- Program Management

Our certified and accomplished professionals deliver information technology and infrastructure results.

Our Systems Engineering expertise spans the full technology life cycle moving projects from concept to planning to development and implementation.

Our approach to Systems Engineering continuously focuses on defining client needs and documenting requirements early in the process. This, combined with our structured process management, provides the means for predictable, efficient, and successful results. Within each phase, we maintain a focus on validating each output to ensure alignment to the project's mandates. Additionally, we look for ways to optimize infrastructures, find new efficiencies, and seek to maximize a return-on-investment. Leveraging our vast, proven systems engineering experience in designing and managing critical systems is how we apply technology and inspire solutions to enable federal enterprises to deliver their mission. URS-Apptis has helped:

- The Federal Aviation Administration reduce its total cost of ownership and number of network operating systems through the consolidation of 45 directory services to one standardized environment.
- Department of State, Consular Systems and Technology, to implement a formal Software Development Life Cycle (SDLC) with the incorporation of IBM Rational life cycle tools, full life cycle Configuration Management, and IV&V certification.
- Military Health Systems to provide clinicians nationwide with real-time access to medical images, scanned documents, and clinical notes.
- Quick resolution of network issues on the Defense Information Systems Network through Tier III engineering support including analysis and resolution of network problems.

Systems Engineering Capabilities

- Change & Configuration Management
- Enterprise Application Integration
- Enterprise Architecture
- Green Information Technology
- Release & Incident Management
- Secure Cloud Computing
- Service Level Management
- Systems Capacity Planning
- Systems Deployment
- Virtualization

Certifications

- CMMI ML2–ML3 appraised for key business units
- Information Technology Infrastructure Library (ITIL)
- Certified against ISO 9001:2008 standards in Chantilly, VA and San Antonio, TX
- Microsoft Certified Systems Engineer (MSCE)
- Program Management Professional (PMP)

Representative Clients

- Defense Information Systems Agency
- Department of the Army
- Department of Defense
- Department of State
- Federal Aviation Administration
- Federal Emergency Management Agency
- Social Security Administration

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Proof of Performance

Army PEO EIS Command Center Upgrade (CCU) Program

URS-Apptis supports the Program Executive Office-Enterprise Information System (PEO-EIS), Program Manager, Installation Information Infrastructure Modernization Program (I3MP), Product Director Command Center Upgrades/Special Projects Office (CCU/SPO) organization in the successful delivery of a broad range of projects spanning the C4I spectrum from point-specific long-haul voice communications solutions to fully integrated VTC services to turnkey suites of voice, visual, and data telecommunications systems. Each of these projects represents an individually tailored solution to a mission profile with a specific time and location context. In each case, the systems engineering, Bills of Materials (BOM), schedule, level of effort, and test and sustainment requirements has represented a unique response to a distinctive set of challenges posed by the requirements. The URS-Apptis services delivery model is an operationally proven process for defining, designing, installing, and sustaining solutions that are consistent and repeatable.

Department of State, Bureau of Consular Affairs

URS-Apptis has been working with the Department of State (DoS) for over 27 years, automating the DoS Passport Systems and developing electronic, imaging and biometric solutions for this critical system. The Passport Systems must be operational 24/7 and available in embassies and consulates nationwide and worldwide for passport applications, identity verification, emergency issuance and replacement, and large volume document and data management and reporting.

As part of our work, URS-Apptis supports of the Travel Document Issuance System (TDIS). TDIS is the primary case management system used by DoS for passport application workflow processes at 17

production facilities and thousands of acceptance facilities, embassies, and other related facilities around the world. It is one of the largest end-to-end adjudication and credentialing systems in production today, producing more than 13 million passports each year. The Passport Systems provide scalable and secure storage and real time retrieval capabilities for more than 125 million passport records, 80 million photographs, and seven million uploads of new documents from various government agencies per year. The data store for passport systems comprises 87TB of data. URS-Apptis provides 24/7 operational support for the Passport Systems.

Designated Provider Program

URS-Apptis helped create a virtual environment for the storage of personal health information. Due to the sensitivity of such information, we worked alongside DoD Information Assurance and certifying officials to outline DIACAP MAC III Sensitive level criteria for a commercial cloud-based application containing PKI and PII. This DoD led to a commercial cloud environment that deals with surges in demand and green IT benefits and provides a framework for other DoD agencies to migrate systems to the cloud.

Defense Logistics Agency (DLA)

Working for DLA, URS-Apptis' systems engineers are supporting over 25 cyber tech refresh and expansion projects for DLA J6 (Information Operations) spanning the globe from Afghanistan to Hawaii and 30 locations in between. The range of our support includes desktop operations and maintenance of the enterprise Host Base Security System (HBSS), server hardening of the 26,000 user DLA Enterprise Telecom Network (ETN), and engineering the Continuity of Operations (COOP) alternate Network Operations Center for the ETN to name a few. URS-Apptis ensures the security of information for all of DLA's employees.



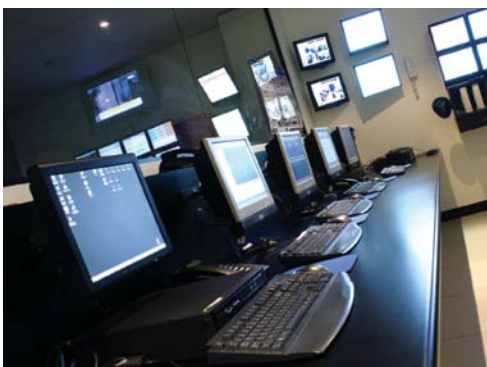
Command Center



Data Storage



Virtual Environment



Desktop Operations and Management