



MISSION-FOCUSED ENGINEERING and IT

Advanced Engineering and IT Solutions for Defense Programs

Today's demanding and ever-changing national security environment requires highly effective, reliable, and secure solutions for our Nation's most critical communications, networking, and information management needs. Smartronix specializes in systems engineering and integration; and is highly skilled in providing rapid response engineering and Information Technology (IT) solutions to address strategic, integrated warfighting requirements and national security demands.

Smartronix Mission-Focused Engineering and IT solutions include a diverse offering of advanced capabilities and specialized skill sets to deliver maximum performance and impact. We provide requirements-driven, cost-effective solutions for integrated and interoperable communications and advanced information management systems to assure mission success. Smartronix specializes in development, production, and deployment of command and control (C2) systems, aeronautical electronic subsystems, and integrated communications and sensor systems. We leverage core expertise in cyber security, cloud computing, data analytics, systems integration, and global Intelligence, Surveillance, and Reconnaissance (ISR) to deliver innovative expertise that supports some of the most advanced and secure air, land, sea, and space defense programs.

Capabilities

- Full Life-Cycle Systems Engineering
- Enterprise Network, Software, Database, and Multi-Level Security Solutions
- System Design, Fabrication, Software Engineering, and Test
- Model-Based Systems Engineering for R&D, Prototyping, Cyber Risk Analysis, COTS Integration
- Aviation and Space Domain Mission Systems Design and Development
- Information Assurance (IA) and Assessment and Authorization
- Healthcare IT Solutions

Rapid Response Solutions for the Most Secure Air, Land, Sea, and Space Defense Programs

Full Life-Cycle Systems Integration and Engineering for All Missions

Smartronix is contributing to mission success at all stages of the DoD acquisition and sustainment life-cycle. In support of leadership Commands, we are designing and conducting experiments to showcase the emergent technologies and latent capabilities of systems, ranging from space-based sensors to unmanned surface and undersea platform data collection sources. As these emergent technologies are validated for the levels of promise and maturity, we rapidly convert and deploy those technologies to today's missions from humanitarian disaster relief to building coalition partner capacity.

Edge/Stack Computing and Communications in Austere Environments

Smartronix engineering and IT capabilities have roots in data and communications at the edge, whether in remote and austere parts of the globe or in maritime environments with limited accessibility or connectivity. Challenges involving bandwidth, waveforms, and signal conversion have been overcome through our innovative device modifications. New Stack Computing solutions enable data synthesis at the Edge, producing actionable intelligence and decisions without the delays of conversions and data transport in multi-level security environments. We specialize in implementing parallel or under-utilized technologies and exploiting their latent capacity to serve the warfighter and the mission.



A few of our Contracting Vehicles:

- GSA Alliant 2
- OASIS (Pools 1, 3, 4)
- NITAAC/CIO-SP3
- SeaPort-NxG
- DIA SITE III
- AAFES
- RS3
- GSA Schedule 70
- DOI-FCHS

Prototyping and Modular Deployments for Innovative Solutions to Missions

Smartronix takes a solution-agnostic approach to developing our engineering designs, focusing on the customer needs as taking precedence over intransigent legacy norms. We are often able to convert legacy equipment or create interfaces through modular systems to allow for more contemporary technology insertions. Our rapid approach is one that inherently questions assumptions or requirements that tend to presume a pre-determined architecture or engineering approach. With close customer involvement and rapid prototyping, we can achieve new mission capabilities without negatively impacting logistics footprints or supportability needs.

Space Domain Solutions Supporting ISR Missions

Smartronix has extensive global ISR experience to meet mission demands, supporting some of the world's most critical defense programs. We operate and maintain fixed, mobile, and temporary Ground Control Stations (GCSs) in response to COCOM-specific requirements. As a Lead Industry Integrator (LII), we provide proven cloud-scale data, AI/ML, and data analytics with rapid acquisition and integration strategies to bring the right team of partners and technologies together to solve problems quickly and securely in an ever-changing threat and technology landscape. Some of our rapid, mission-focused space domain solutions include GCS services; equipment and logistics support; intelligence support; ISR payload support; and Research, Development, Test, and Evaluation (RDT&E) support, including designing manned/unmanned ISR platforms to integrate with various systems for space-based operations.

Healthcare IT Solutions Supporting DoD and VA Medical Teams and Missions

As an industry-leading solutions provider, Smartronix has a long history in healthcare IT with proven experience delivering successful, real-world healthcare applications and Health Information Exchange (HIE) solutions at any scale. Our industry Experts specialize in bringing leading-edge technical solutions to the healthcare delivery environment while remaining hyper-focused on meeting the most stringent cyber security, data quality, and certification & accreditation (C&A) requirements. From designing, developing, and deploying new healthcare IT systems to transforming legacy applications into modern cloud-based solutions, we help our customers meet their most challenging requirements. After more than two decades supporting commercial hospitals, state health exchanges, and the Federal medical community, our goal is still to improve the long-term viability of our Nation's healthcare data systems so patients and our own families receive the best possible care from their providers.

PROGRAM SPOTLIGHT | U.S. Transportation Command (TRANSCOM)

Smartronix team members are moving scores of legacy systems into an integrated enterprise architecture representing a multi-mission digital transformation for TRANSCOM. These systems include sometimes decades-old data storage that may be organized or tagged in archaic lexicons, requiring data forensics and decomposition to build back up into digital twins and transferred capabilities. To date, more than three dozen systems that TRANSCOM depends on for aircraft readiness, mission planning, and worldwide inventory management have been successfully migrated to new data architectures. This data transformation can be replicated for customers everywhere, turning the fear of unplugging legacy systems into the streamlining of operations and dramatically improved operational situational awareness.



PROGRAM SPOTLIGHT | VETERANS AFFAIRS Storage On Demand Solution

The Department of Veterans Affairs (VA) needed a solution to help modernize its aging storage environment and correct deficiencies identified in the 2014 VA Critical Infrastructure Assessment. The Smartronix team has successfully deployed storage and backup solutions at VA datacenters using a managed services approach to supply on-demand storage/services within several prescribed storage classes. Smartronix provides a cost-effective platform that enables the VA to more efficiently procure storage, reduce duplication, and maximize the use of equipment, space, and power. This solution enabled the VA to keep patient data on-site, while delivering flexible, scalable as-a-service storage options in an on-demand basis and decreased



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