



MISSION-FOCUSED ENGINEERING

Advanced Engineering Solutions for Defense and Aerospace

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, integration, and custom prototyping; and is highly skilled in providing rapid response engineering solutions to address strategic, integrated warfighting requirements and national security demands.

Smartronix Mission-Focused Engineering 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 systems, aeronautical electronic subsystems, and integrated communications and sensor systems. We leverage core expertise in cyber security, cloud computing, data analytics, and network operations to deliver innovative, Mission-Focused Engineering expertise that supports some of the most advanced and secure air, land, and sea global defense programs.

Capabilities

- Full Life-Cycle Systems Engineering
- Enterprise Network, Software, Database, and Multi-Level Security Solutions
- System Design, Fabrication, Software Engineering, and Test
- Research & Development, Prototyping, COTS Systems Integration
- Aviation Mission Systems Design and Development
- Information Assurance (IA) and Assessment and Authorization

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 combatant commanders, 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.

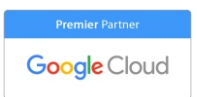
Edge/Stack Computing and Communications in Austere Environments

Smartronix Mission-Focused Engineering 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 ranging from bandwidth, frequency modulation, and signal conversion have been overcome through our innovative techniques and device modifications. New Stack Computing solutions have enabled better modeling and processing of data at the Edge, producing actionable intelligence and decisions without the delays of conversions and data transport in multi-level security environments. We specialize in taking immature or under-utilized technologies and exploiting their latent capacity to serve the warfighter and the mission.

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.

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



PROGRAM SPOTLIGHT | USAFRICOM

U.S. Africa Command has partnered with the Smartronix team, comprised of industry-leading partners, to lead efforts to counter transnational threats and promote regional security, stability, and prosperity on and around the African continent. Smartronix conducts Contractor Owned, Contractor Operated (COCO) Intelligence, Surveillance, and Reconnaissance missions and provides data collected to USAFRICOM in support of Military Information Support Operations (MISO). Our Mission-Focused Engineering expertise includes facility preparation, payload integration, cyber risk mitigations, power supplies, and data loader modifications. Our IA team ensures COCO information systems are mission ready with managed risk profiles.



A few of our Contracting Vehicles:

- GSA Alliant 2
- OASIS
- NITAAC/CIO-SP3
- NETCENTS-2 (NetOps SBC)
- SeaPort-NxG
- AAFES
- RS3
- GSA Schedule 70
- DOI-FCHS

PROGRAM SPOTLIGHT | USSOUTHCOM

Smartronix is proud to lead a multi-partner team supporting the U.S. Southern Command mission. Smartronix contributes to military information support operations throughout the Caribbean, Central, and South America. Our management, engineering, and logistics teams gather, compile, categorize, and share threat information from transnational criminal organizations, violent extremist organizations, and other regional and external bad actors. Our Mission-Focused Engineering expertise includes payload data extraction, communications integration, automated interpretations, and design of innovation exercises and operational experiments. Smartronix provides training and system integration support to ensure our allies are fully mission capable in minimal time for rapid response.



PROGRAM SPOTLIGHT | USSOCPAC

U.S. Special Operations Command Pacific (SOCPAC) has partnered with the Smartronix team on the C5ISR - Pacific Operations (C3PO) effort to support the warfighter in combating terrorism globally by providing C5ISR and Intelligence Processing, Exploitation, and Dissemination (PED) services to SOCPAC. The Smartronix team was selected to manage SOCPAC's multiple C5ISR programs within the USINDOPACOM Area of Responsibility (AOR). The team is delivering agile, innovative, and efficient solutions for airborne, ground, maritime, and/or space-based C5ISR platforms. Our Mission-Focused Engineering expertise includes facility preparation, payload and sensor integration, cyber risk mitigations, and our Information Assurance (IA) team ensures information systems are mission ready with managed risk profiles.



PROGRAM SPOTLIGHT | NAWCAD 7.2 Enterprise Cloud Hosting

Smartronix is leading the way for our NAWCAD 7.2 Enterprise Cloud Hosting customer to establish a mission-focused hybrid data center operation in both private and commercial cloud environments. This effort spans across multiple domains and Information Levels (ILs) in support of the Navy's "Cloud First" directive. Smartronix provides technical and functional support for the client that includes research, design, engineering, implementation, and life-cycle support. Additionally, the Smartronix team supports a range of enterprise-level hosting capabilities operating in the on-premise data center while building out the cloud infrastructure within the Amazon Web Services (AWS) cloud environment and successfully migrating systems to the cloud. Smartronix concentrates on automation in both the on-prem and cloud environments to increase efficiencies to deliver intelligence and solutions to the fleet faster.



MISSION ASSURED

DefenseSolutions@smartronix.com

301-373-6000

smartronix.com