

Data Science and Fusion

Analytic processing using compute cloud tools, cloud data flows, data extraction, stream processing, high speed event handling

DevSecOps Engineering

Specialists in high-availability testing, CI/CD automation, deployment, systems scaling

Applied Machine Learning

Hardware prototyping, real-time signals analysis, image recognition, signals feature extraction, speaker recognition, adaptive topic tracking, algorithm development, AI solutions

Open Source Conversion

Experts in open source configurations, languages, and support. Modernizing licensed, limited data rights, proprietary solutions

App Development

Digital product design, managed services, visualization, UI capabilities

Cryptographic Systems

Key Management, ICAM, and PKI Security Engineering (Access and Authorization Code)

Enterprise Architecture

Enterprise modernization, systems engineering, business process analysis, and business startup strategy

Digital & Reverse Engineering

High-fidelity 3D CAD modeling, SolidWorks-driven virtual prototyping, and digital thread establishment via MagicDraw (Cameo).

Advanced Manufacturing

Design, specialized hardware iteration, and rapid prototype-to-production scaling for attritable sensors.

Open Architecture Systems

SOSA and CMOSS implementation, COTS/GOTS integration, modular interface, multi-domain interoperability.

Embedded Design

FPGA development. Functional prototypes, complex systems small batch production,

IoT

Full-stack engineering, tech transfer, consumer applications, modern web frameworks and framework architecture

Cloud-Based Software Engineering

Cloud management services and cloud environment standup computation

System Integration

Electrical, mechanical and software design, integration, IV&V

Results

- + Tactical RF & EW Solutions for spectrum dominance, direction finding, jamming & deception
- + Enterprise IA, ICAM
- + IoT Solutions/ Data Platforms and Analytic Tools for the IC and private clients
- + Secure / KMI
- + Authentication, Authorization Net Ready
- + Zero Trust Architectures
- + Client cloud resource optimization, provider agnostic
- + From scratch Impact Level 5 environments
- + DISA service integration
- + GREYBOX service implementations
- + Sought out by large integrators to solve problems

Independent Confirmation: Excellent and Very Good CPARs

Technical Expertise

- + 95% technical workforce - software, mechanical, electrical, systems, RF/DSP engineering, data science,
- + Certificates - PMP, CISSP, CCAP, SAFe Scrum Master (SSM), CSM, CTFL, DAWIA
- + PMO for capture, bid and execution

Corporate Infrastructure

- + Prime Awards with MPO and Army
- + DCAA Approved AS, mix of CP, FFP, Term & Completion
- + CMMC 2, NIST SP 800-171, DTTC registered
- + Mature Contract, Subcontract Management, Purchasing
- + MACs/GWACs- RS3, Oasis+, Seaport NexGen, OTAs
- + 73,000 SQFT lab, advanced manufacturing and headquarters in Aberdeen with 10,000 SQFT SCIF at Annapolis Junction, MD

