

Systems Engineering & Integration

CAPABILITY OVERVIEW

ASRC Federal's Systems Engineering, and Integration (SE&I) team provides technical and engineering support across a wide range of complex mission systems. We've worked on satellites and instrument payloads, DoD weapon systems and aviation components and subsystems. With experience in redesigning and re-engineering for sustainability and technology upgrades, we support the full project lifecycle. We perform feasibility studies, concept exploration and concept of operations development, requirements development/validation, risk management, root cause analysis and oversight of development, integration, testing and operations.

PROGRAM SPOTLIGHT

Developing New Modular Handgrips for Javelin Control Launch Unit

When the U.S. Army recognized that the modular handgrips on the Javelin Control Launch Unit (CLU) were frequently failing in the field, ASRC Federal developed new, more robust handgrips using additive manufacturing. The revamped handgrips were drop-in replacements for the originals that re-used existing components and exceeded quality requirements in independent testing.

AREAS OF EXPERIENCE

Mission Systems Engineering

From creating Concepts of Operations (CONOPS) to supporting operations, we enable scientific discovery and advances in technology from mission conception to implementation. We offer full lifecycle engineering support and can help your program at any stage of maturity.

Instrument/Payload Systems Engineering

We provide innovative sensor concepts, detailed design work, integration and testing of instrument and payload systems. We also provide post-integration operations support.

Systems Analysis

Our team has the tools required to control, monitor, and collect data for reporting and analysis, ranging from finite element analysis through system test.

Systems Testing and Simulation

We support prototyping, deployment, simulation, and full test of a system. Our team has the tools and skills to ensure your system's success.

Aviation Systems Development

We extend the mission life of your systems by integrating modern components into legacy systems. Whether it's developing a new attitude and heading reference system component or updating system interfaces, our team brings your program into the 21st century.

KEY CUSTOMERS



CONTACT

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ABOUT US

ASRC Federal's family of companies deliver successful mission outcomes and elevated performance for federal civilian, defense and intelligence agencies while building an enduring enterprise focused on customers, employees, and shareholders.

ASRC Federal offers broad and highly technical expertise in digital operations and IT modernization, software, applications and analytics, engineering solutions, professional services, and infrastructure operations.

As a wholly owned subsidiary of Arctic Slope Regional Corporation, an Alaska Native Corporation, we are inspired by the Iñupiat culture. We embrace **stewardship** and the idea of using every resource effectively; **teamwork** when striving to achieve goals and building a collaborative environment; **integrity** in adhering to high moral principles and professional standards; **respect** in welcoming and regarding the differing opinions, experiences, rights and traditions of others as we build a diverse and inclusive workplace; **accountability** in that we meet our commitments and take responsibility for our results; and **continuous improvement**, always striving to make things better, raising the bar and staying humble.

MARKETS WE SERVE



Space



Defense & Intel



Civilian



National Security



Health

+ ASRC Federal and our subsidiaries hold a number of credentials including:

- CMMI Level 5 Development (subsidiary);
- CMMI Maturity Level 3 for Services and Development;
- 27001 Certification for Security Management;
- AS9100D / ISO 9001: 2015 Certification for Quality Management;
- AS9100D / ISO 9001:2015 Certification for Quality Management

HOW TO GET TO US / CONTRACT VEHICLES

+ ASRC Federal represents a variety of socio-economic categories including small business and 8(a). Our companies' portfolio of GSA schedules, GWACS and agency specific contract vehicles enables our customers to procure professional services and technology solutions tailored to their requirements, using a streamlined acquisition approach. Our experienced GWAC Program Management Office (PMO) provides collaborative support and leadership throughout the contract lifecycle.

+ To view our full list of contract vehicles, please visit:
www.asrcfederal.com/contract-vehicles