

Flight, Launch & Propulsion Support

CAPABILITY OVERVIEW

ASRC Federal's Flight, Launch and Propulsion Support team provides solution-focused quality, manufacturing, system engineering, launch site and related expertise from day one of your program. We provide technical expertise in the areas of launch and space vehicle Independent Verification and Validation (IV&V), Integration and Test (I&T), ground and launch data processing, full pedigree reviews, avionics, structures and ordnance engineering, solid rocket motor manufacturing and assessment engineering, liquid propulsion system engineering, flight/launch certification and spaceflight worthiness certification. With a network of experienced engineers and support personnel featuring launch-related disciplines such as guidance, navigation, and control (GNC), structures, avionics, thermal, software, mechanical and systems engineering, we have the flexibility to adjust to your development and operations schedules. With previous experience supporting a comprehensive group of federal civilian and defense agencies and their private sector partners, you can count on ASRC Federal to ensure mission success.

ASRC Federal supports mission planning and development, coordination, implementation, and execution including the planning and implementation of pre-mission, mission operations and postlanding recovery. We'll help you gather data, review, evaluate and derive requirements, execute manufacturing and test plans and procedures and execute your schedule for complete systems and/ or subsystems. Our administrative support personnel will present briefings and recommendations, track program actions and support operations as required throughout the mission.

PROGRAM SPOTLIGHT

ASRC Federal Showcases Breadth of Launch Capabilities with NASA's Ascent Abort-2 Test

ASRC Federal's Launch Services Mission Assurance (LSMA) contract delivered mission assurance for the Peacekeeper rocket motor and booster stack used to test the Orion Launch Abort System in flight. Our Cape Launch Operations and Infrastructure Support, as well as Kennedy Infrastructure Applications and Communications contract teams, led the Cape Canaveral ground game that aced every aspect of the launch range—from pad operations to safety to public affairs.

AREAS OF EXPERIENCE

Solid Rocket Motor Engineering

We can ensure safety of storage and certification for flight of solid rocket motors. Our engineers use statistical analysis, test, flight, material testing and inspection to provide Useful Life Estimates (ULE) and Trend Analysis Life Estimate (TALE) and provide technical support to ensure safe and efficient use of assets.

Independent Validation and Verification (IV&V)

We perform detailed mission analysis including independent risk assessments for technical reviews. We also witness key contractor tests and validate models for launch vehicle subsystems and launch sites.

Rocket Propulsion Support

We can help you plan, formulate and test rocket and space propulsion systems. Our engineers and technicians assist with developing each test plan and configure customized test stands to ensure high quality data acquisition.

Requirement and Specification Analysis and Validation

We'll ensure the success of your mission by coordinating subsystem and system test activities with other programs and organizations. We can gather mission data, evaluate requirements for testability and prepare and execute test plans and procedures.

KEY CUSTOMERS



CONTACT

Scott Altman
Operating Group President, Space
saltman@asrcfederal.com
(301) 837-9034

asrcfederal.com

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



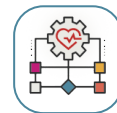
Defense & Intel



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