

# Mission Software Engineering

## CAPABILITY OVERVIEW

When your system of record needs technical or engineering support, ASRC Federal has the team you need. With over 1200 software engineers and developers on staff, we are Agile development experts and CMMI Level 5-certified. We take a flexible DevOps approach to application development with automated continuous integration and delivery to ensure that operators have the capabilities they need.

When your mission requires new software, ASRC Federal can help by providing full mission lifecycle support. We have expertise in architecture, command and control, weapon management, mission control, ground segment, payload data, mission operations, flight systems, satellites, and launch systems. We know how to build software that ensures your program's success.

## PROGRAM SPOTLIGHT

### *Machine Learning for the Aegis Weapons System*

When the Navy needed to track flights for suspicious behavior hostile intent, the large number of flights displayed made it nearly impossible for humans to determine changes in track attributes to identify flights of interest. ASRC Federal developed a set of anomaly detection models that enabled users to quickly identify potential threats and take immediate action. This provided the ability to automatically identify anomalous air flights in near real-time, reducing operator workload and the time to detect a potential threat.

## AREAS OF EXPERIENCE

### Requirements Analysis, Verification and Development

Clear requirements that are agreed to by customers and developers make it easier to develop, test, and deliver software that meets operator needs. Our Agile-savvy development experts will help your program ensure that requirements make sense for your program and for development teams through iterative planning sessions, backlog refinement and customer interviews.

### Specialty Engineering

When you have multiple vendors, systems and tools, you need them to work together. Our specialty engineering program can help by providing modeling/simulation, data analytics, cybersecurity and ongoing maintenance/sustainment of 3rd-party products.

### System Administration and Security

Maintaining your mission information and security is our priority. All of our applications are developed to FISMA or other applicable standards, and our information systems risk management process ensures compliance with your authorization rules.

### Data Science Systems and Processing

We provide cutting edge engineering, development, and analytical systems to warfighters and decision-makers. Our solutions for data exploitation can compress decision-making chains, reduce sustainment costs, and provide timely and authoritative decision support.

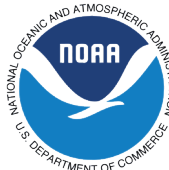
### Flight and Ground Software Systems

Reducing development and hardware costs means more flights in the air. We can develop platform-agnostic core flight software services, applications, and platforms that are reusable and can be tailored for specific environments.

### Combat Management/C4I Systems

Using embedded or commodity hardware and server or serverless techniques, our team builds software solutions that enable legacy and modern systems. With experience across multiple architectures, we offer options for program growth, sustainment and transformation.

## KEY CUSTOMERS



## CONTACT

**Kim Davis**  
Senior Director of Software, Applications & Analytics  
KDavis@asrcfederal.com  
(856) 812-3309

[asrcfederal.com](https://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; **high performance** in striving to deliver superior business results and exceptional customer value; and **citizenship** by taking care of our employees, shareholders, and the communities where we work and live.

## MARKETS WE SERVE



Space



Defense & Intel



Civilian



National Security



Health

## HOW TO GET TO US / CONTRACT VEHICLES

- + 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](http://www.asrcfederal.com/contract-vehicles)