

# Software Delivery Lifecycle Services (SDLC)

## CAPABILITY OVERVIEW

ASRC Federal has great experience in various stages, adoption and maturity of Agile and DevOps culture, processes, and tools. Whether your process is traditional waterfall, full Scaled Agile Framework for the Enterprise (SAFe), or somewhere in between, we focus on delivering value to your mission with quality in a secure and low risk manner. Our experience is all encompassing - from requirements development through delivery while also incorporating configuration management, 508 compliance, CMMI, and agency required security criteria.

To support our partners in modernizing software delivery practices, infrastructure and culture, ASRC Federal is a Scaled Agile Gold Partner with a team of certified consultants and trainers. Our workforce also includes 500+ certified employees in various Agile disciplines.

Given the breadth of experience, we work directly with our customers to establish and evolve a model that best serves your mission. Our goal is to optimize the process for speed, flexibility, quality and transparency while focusing on test and security early and often. Our change agents support your leadership and culture to drive a collaborative ecosystem focused on problem solving, learning and continuous improvement.

## PROGRAM SPOTLIGHT

### *Natural Resource Conservation Services for the U.S. Department of Agriculture*

Natural Resource Conservation Services for the U.S. Department of Agriculture ASRC Federal's Natural Resource Conservation Services (NRCS) team, in partnership with customer leadership implemented SAFe®. Adopting SAFe® improved cross[1]team collaboration through a common cadence and synchronization, shared program business objectives and integrated program wide planning - allowing our customer to increase the number of scrum teams from six to 20 without interruption of services.

As part of its SAFe® implementation, the NRCS operations and maintenance support team overlayed SAFe and ITIL to establish processes to escalate or resolve major production issues and defects based on system and severity. This allowed for the addition of minor defects and enhancement requests to the backlog for prioritization against new feature development by the product owners. The adoption of DevOps and the investment in infrastructure and tooling also enabled our team to increase delivery speed by 12x.

## AREAS OF EXPERIENCE

### Lean Culture and Framework Adoption

Our team of certified Agile consultants and transformation experts understand the critical steps needed to create and evolve an Agile model that works best for your mission. Our transformation experience ranges from simple instances to highly complex frameworks with large, legacy programs struggling to shift culturally. Regardless of which, we work closely with existing cultures and leadership teams to understand how to effectively establish an Agile and DevOps model that drives speed, quality and adaptability. With transformation experience in SAFe, Scrum, Kanban and XP, we are well versed with developing transformation roadmaps, maturity models, providing training and creating coalitions of change agents aligned to your goals.

### DevOps

DevOps extends Agility and is a key enabler in the efficiencies of our Agile practices. We understand DevOps spans far beyond infrastructure and automation and that culture, lean practices and resiliency are also essential. Our experts ensure DevOps drives optimization, risk reduction, identifies improvement opportunities, and focuses on reducing handoffs. As security is inherent in our DevOps approach, we ensure security focus in every step of the process from backlog refinement to integration, deployment, releasing and monitoring. This has enabled us to create continuous ATO for various customers.

### Continuous Delivery Pipeline Infrastructure

We have great experience in developing pipeline infrastructure to support continuous delivery. Our team works directly with you to determine the right tooling and infrastructure to support the mission. With the approved tooling in hand, our pipelines begin with the use of Application Lifecycle Management (ALM) tools to support backlog and requirements refinement providing transparency, traceability and metrics collection. From here, we extend focus on speed and quality for building automated test, infrastructure as code (IaC), security and compliance into the entire pipeline. We also ensure our teams create mirrored development, staging, pre-production, and production environments for seamless system integration, regression, performance and exploratory. This enables our team to have various release strategies for flexibility to our customers. Our experience includes pipeline development for on-premises, hybrid and cloud environments in addition to containerization for environment accessibility.

### User Center Design

Your users want intuitive software that lets them access the capabilities they need quickly and easily. Our User Centered Design approach is built into our continuous delivery pipeline beginning with backlog refinement, allowing our teams to design interfaces and back-end functionality with the user's voice in mind throughout. Our teams use tools such as persona development, empathy maps, journey maps, and story maps to truly understand various user needs and how a system meets user expectations with desired outcomes and performance. Using these practices, our experience ranges from creating predictive budget analytics dashboards for government CFOs to display systems enabling warfighters to make rapid decisions in real-time mission critical situations.

## 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; **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)