



# ASF

## AGILE SOLUTION FACTORY

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## WHO WE ARE

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Today, it's not enough to simply transition to Agile. CACI's Agile Solution Factory (ASF) optimizes performance of Agile software, holistically integrating the benefits of Agile at an enterprise scale. The results of CACI's ASF on large government programs have included increased end-user satisfaction through higher quality and more secure software deployed on shorter release cycles. The ASF's use of advanced automation frameworks like DevSecOps further drives efficiencies in cost savings, time-to-market, and productivity. CACI's ASF delivers on the promise of Agile to the federal marketplace.

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## FOR MORE INFORMATION CONTACT US AT

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## Benefits

Predictable, efficient, and effective software development

Scalable and holistically integrated across complex enterprises

Speeds delivery of high quality, secure software released at predictable intervals

Enables rapid response to new priorities through micro-service deployments

Decreases risk for both sustainment and new capability development

Total transparency for complete and ongoing situational awareness

Integrated cyber security across the lifecycle

Advanced automation frameworks

Enhanced for large federal contracts

Cloud-based IaaS offerings for secure development, testing

Proven past performance on large federal contracts



CACI successfully executed a Day 1 transition of a large DoD program to the ASF with outstanding results. Over five years, software development productivity increased by 60%; implementation costs were reduced by over 50%; software quality averaged 99% defect-free and time-to-market was reduced by 70%.

### Predictable Development Velocity to Achieve Mission Stability and Reduce Risk

As with other more “traditional” factories, the success of CACI’s Agile Solution Factory (ASF) centers on the ability to measure and forecast throughput and then calibrate where needed to improve performance. To this end, the ASF employs a fixed schedule compatible with an industry-leading Agile for EVM implementation. Coupled with unique metrics such as Cost Per StoryPoint (CPSP) to assist in aligning schedule to budget to backlog, CACI can dramatically improve the accuracy of estimation models by also organizing dedicated development teams around products instead of according to individual disciplines (e.g., engineering, test, etc.). The empirical data generated by this model is then used at the team level to communicate short- and long-term goals with a high-degree of confidence.

### Efficiency through Continuous Improvement and Automation

The ability to inspect and adapt is key to the Agile philosophy. The degree to which the ASF successfully employs this strategy serves as the basis for the concept of continuous improvement. Both formally and informally, teams perform retrospectives to add, improve, solidify, or remove processes and habits. In particular, the emphasis the ASF places on automation to the greatest extent possible provides significant cost and time savings, reduces the number of personnel required for testing, and ensures high-quality releases with near-zero defects.

### Transparency From Beginning to End

The ASF uses an open book concept for full transparency with all stakeholders by building on a foundation of trust. The same information available to the ASF is available to the government in real time through the use of the Agile-Integrated Data Environment (A-IDE). This customizable portal houses all artifacts created in support of the mission, and also includes dashboards, automated workflows, and tools. The cultural impact of this direction improves decision-making abilities for the government and enables an environment in which candor is expected and rewarded.

### Evolutionary Approach to Maximize Opportunities for Success

Agile development is both iterative and incremental. It encourages frequent, ongoing communication with the customer, enabling rapid response to new priorities. Continuous software development and deliveries occur in sprints that last weeks rather than months, thereby avoiding the effects of deploying solutions in a “big bang.” This is especially important regarding the management of nonfunctional requirements that address how a system operates versus what a system does.

Moving to Agile software development requires a change in culture, processes, and tools, as well as other human factors. We assist our customers in making this change through training and team building, as well as efficient and predictable execution of their highest priority features.

CACI’s 22,000 talented employees are vigilant in providing the unique expertise and distinctive technology that address our customers’ greatest enterprise and mission challenges. Our culture of good character, innovation, and excellence drives our success and earns us recognition as a Fortune World’s Most Admired Company. As a member of the Fortune 1000 Largest Companies, the Russell 1000 Index, and the S&P MidCap 400 Index, we consistently deliver strong shareholder value. Visit us at [www.caci.com](http://www.caci.com).

This material consists of CACI International Inc general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations (EAR) Parts 772 and 774. (approved 9/11/19)

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