



Innovate | Collaborate | Secure IT Modernization Services

THE CHALLENGE

Budget constraints have always been—and are expected to remain—a significant limitation to engaging in complete end-to-end modernization within the Federal Government. Incremental approaches, driven by strategic priorities and architectural focus are necessary for long lasting change in today’s environment. Significant complications with legacy systems and technologies, organizational “stove-pipes,” perceptions and magnitude of risk, complexity of integration across agencies, duplication in programs and systems, and lack of key drivers needed to force efficiencies are contributing factors to incremental change.

THE SOLUTION

Criterion Systems’ Agile IT modernization approach is designed to modernize agency infrastructure in a repeatable, scalable manner based on best practices identified by industry and internal government stakeholders. Using our two-speed approach, Criterion focuses its efforts on quickly fixing/updating customer-facing applications while taking a slower and more measured approach to updating backend systems. This allows very quick iterations on the frontend without incurring the concurrent cost and risk that goes along with updating supporting systems at the same time. Backend technology is updated at a more moderate pace, which ensures that technology transformation occurs without putting the organization at substantial risk.

Experience has shown us that understanding the organizational drivers for modernization and planning at the enterprise level to deliver incremental value at the departmental level is critical to the success of any modernization initiative. Continuity of operations must be maintained through a unified IT and cybersecurity strategy while shifting the paradigm to a customized and well-planned managed services model that modernizes operations and achieves mission goals. Leadership and communication across the organization are key to understanding what the organization has and where they need to go, and to drive change. Most importantly, an organization’s approach to IT modernization must start with people and evolve processes prior to addressing technology shortfalls: people, then processes, and, only then, technology.

Criterion follows an iterative approach to IT modernization that includes continual feedback and consists of **Planning, Assessment, Execution, and Measurement & Tracking**. Our approach provides a foundation of enterprise management which drives requirements for development and service delivery activities and provides oversight and auditing. Modernization is not a single event, but rather an ongoing process requiring continuous attention. By treating modernization as a process, organizations can better manage technology investments and continue to stay on pace with change, rather than having to engage in a costlier “catch up” situation. Moreover, Criterion gathers insights from each stage through Agile retrospectives and makes them actionable for the organization, enabling modernization solutions to be continuously assessed and considered.

An ongoing process to improve mission effectiveness, create fiscal efficiencies, and provide the right level of security for our customers’ systems and information.

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RESULTS

Any successful modernization effort addresses the people, processes, and technologies currently in place and develops a plan to reduce risk, promote adoption, and realize benefits. Modernization requires the commitment of resources to achieve both near-term and long-term benefits.

Criterion's Agile IT modernization activities enable organizations to rapidly adapt to changing environments—setting up new teams; prototyping to drive risks lower; developing strategies and plans in real-time with actionable, traceable results; and delivering new solutions to meet evolving mission needs.

Modernization is a necessary first step to achieve long-term returns. Federal agencies must consider their spending on IT and how to make the right investments to increase efficiency and decrease costs. Criterion supports IT modernization initiatives that transform an organization's infrastructure, technologies, applications, and services to greatly reduce costs, improve performance, and meet evolving mission needs and priorities. We help organizations make key investments in IT modernization and identify and prioritize the necessary initiatives for maximum effectiveness, providing a foundation for continuous innovation and improvement.

IT MODERNIZATION APPROACH BENEFITS

- ✓ Aligns with business strategy
- ✓ Dramatically improves organizational productivity
- ✓ Accelerates tech-savvy culture that embraces technological change
- ✓ Reduces annual IT spend
- ✓ Improves cost avoidance from IT projects and better contracting
- ✓ Increases efficiency and decreases cost
- ✓ Reduces vulnerability and improves security and privacy through the replacement of obsolete systems and the standardization of advanced technologies and new systems

INNOVATION PARTNERS

Key partnerships with universities and industry serve to facilitate innovation, enabling us to leverage the best technologies and solutions. We enhance our strategic relationships by providing the infrastructure to test, integrate, and deploy new products. We also provide the facilities necessary to train and certify our engineers and to build deep domain expertise across multiple product categories.

CRITERION ADVANTAGE

Criterion continuously evolves our capabilities, allowing us to help our clients deliver business value and drive total cost of ownership lower. We have a dedicated group of experts in a wide range of disciplines including enterprise architects, systems engineers, security/privacy specialists, cloud experts, and service desk specialists. Our ability to form teams and provide experience-driven perspectives will result in success. A key aspect of our delivery model is transparency, and it provides insights based on real data, not theoretical ideas.

ABOUT CRITERION SYSTEMS, INC.

Criterion Systems, Inc. (Criterion) is a systems integrator and cyber operations-focused company. Since 2005, Criterion has provided cybersecurity, cloud/data center management, IT infrastructure operations, and systems engineering for our nation's mission-critical environments across the Federal Government. For these agencies, we provide classified network and information-security operations, cyber defense and Risk Management Framework (RMF) services, and advanced data analytics. Criterion has achieved Capability Maturity Model Integration CMMI-DEV and CMMI-SVC Level 3 ratings and has been certified against ISO 9001:2015 Quality Management Systems, ISO/IEC 27001:2013 Information Security Management Systems, and ISO/IEC 20000-1:2018 Information Technology – Service Management Systems by G-CERTI Co., Ltd. Criterion is headquartered in Vienna, VA., with sites across the U.S.