



TCI APPLICATION SERVICES – SUCCESS STORY

United States Air Force Air Mobility Command (AMC)

TCI integrates the principles and practices of Agile and DevOps at scale across the entire enterprise, to accelerate application development and deployment, improve and modernize development, operations and deployment processes, and increase development and operations teams' efficiency with consistent technologies and platforms.

TCI has extensive experience with largescale, high-complexity Applications Testing Services in Classified and Unclassified environments.

TCI provides expert Application Services across three core areas:

- Agile & DevOps Transformation
- Agile Delivery & DevOps Automation
- Agile & DevOps Training/Coaching

Customers and Projects

TCI team provides support for Application, Data and Infrastructure Testing Services for multiple AMC systems—most are Mission Assurance Category (MAC) systems as well as non-production systems that support IV&V, exercise, testing and training. Our team delivers the testing services for all AISS systems within the shared services contract.

TCI performs all aspects of application and technical testing including, development of automated test cases; conducting regression testing, TCNO, performance, and backwards compatibility testing. TCI maintains a Master Test Plan (MTP) that encompasses all test events including functional, technical, Joint Interoperability Test Command (JITC) Certification testing, performance and security testing. The plan also addresses out-of-cycle test requirements such as TCNO, collaborative, and Certification and Accreditation (C&A) Testing plus other ad-hoc testing as needed.

TCI has extensive knowledge and background in technical, unit, system, interoperability, regression, security, performance, load, exception, system degradation, and interoperability testing to ensure engineered solutions meets all prescribed requirements. Prior to conducting any system testing, we verify all security and Information Assurance (IA) requirements have been validated and approved by the AMC's security representative. Our interoperability testing matches as closely as possible how the real environment interacts. During our C2, ITV/Business PMO Government Test and Evaluation (GT&E), we cover feature acceptance/usability testing which allows the PMOs the chance to test the software so that it meets their operational needs

Benefits

Exceed all aspects of service requirements to support all Applications, Infrastructure, and Systems Support (AISS) systems testing. Developed test robots for use in during regression, load, and system architecture testing leading to significant testing and certification efforts.



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TCI APPLICATION SERVICES – OVERVIEW

TCI integrates the principles and practices of Agile and DevOps at scale across the entire enterprise, to accelerate application development and deployment, improve and modernize development, operations and deployment processes, and increase development and operations teams' efficiency with consistent technologies and platforms.

TCI Application Services include:

- Agile & DevOps Transformation
- Agile Delivery & DevOps Automation
- Agile & DevOps Training/Coaching

Agile & DevOps Transformation

Identify the benefits and tradeoffs of Agile & DevOps that fit customer needs and make the associated investments in culture, training, and structure as part of an Enterprise Agile & DevOps Transformation.

Key Features

Assess impacts and opportunities of Agile and DevOps across people, process and technology. Define and prioritize a backlog of capabilities and begin implementation.

Facilitate culture shift centered on collaboration and transparency that breaks down silos, removes bottlenecks, and eliminates inefficiencies.

Scale agile delivery across the Individual, Team, IT Department, and Enterprise levels using SAFe® and DAD frameworks.

Agile Delivery & DevOps Automation

Develop software in small increments and continuously adapt software in line with user feedback and changes to business strategy in concert with tools that automate build, test, deployment and monitoring processes.

Key Features

Multi-disciplinary skilled teams that adopt practices and strategies from Scrum, XP, Lean, Kanban, and Agile Modeling to deliver software.

Automate the continuous integration/continuous delivery (CI/CD) pipeline to support agile development, and the monitoring of KPIs.

Use dynamic, programmable, software-defined Platform-as-a-Service to develop, deploy, and manage applications across physical, virtual and cloud infrastructures.

Agile & DevOps Training/Coaching

Training and coaching that ensure teams and organizations understand both the “Why” and “How” of being Agile as well as hands-on experiences with automation tools.

Key Features

Role-based training for successful Scrum, Kanban, XP, Scaled Agile Framework (SAFe®) and Disciplined Agile Delivery (DAD) implementation.

Hands-on training using open source and COTS automation tools for continuous planning, development, testing, delivery and deployment, monitoring and feedback.

Combine training classes with follow-on coaching to ensure that the key concepts presented in the training have become daily habits.