



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 provides expert Application Services across three core areas:

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

TCI has extensive experience with large scale, high-complexity Enterprise Applications Delivery and includes Custom Applications, COTS Configuration and Customizations, Applications Integration, Agile Project Management, DevOps Implementation, and Portals and Composite/Mashup Applications.

Customers and Projects

TCI played a critical role in delivering Global Air Traffic Execution System (GATES), a state-of-the-art solution that offers increased data quality, enhanced user-friendly features, and ample scalability that enables the U.S. Transportation Command, Air Force, and Air Mobility Command (AMC) to meet operational mission requirements and improve service to Air and Water movement customers.

TCI staff provided support and expertise in nearly every aspect of the development effort using the following processes and tools:

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| <ul style="list-style-type: none"> 🌀 Business Process Re-engineering 🌀 Software Engineering 🌀 Software Testing 🌀 Client/server system development 🌀 Configuration Management 🌀 Independent Verification & Validation 🌀 Rapid Application Development | <ul style="list-style-type: none"> 🌀 Information engineering (use IDEF0, IDEF1, IDEF1X, and Erwin Computer-Aided Software Engineering (CASE) Tools for data and process remodeling) 🌀 Object-oriented modeling (using the Paradigm Plus CASE tool) 🌀 4GL development tools (PowerBuilder, Oracle SQL, and Visual Basic) 🌀 Requirements Traceability 🌀 RDBMSs (Sybase and Oracle) and database conversion |
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Benefits

GATES delivered a single operating system, database, query capability, and an interface that provided users with a simple, intuitive cargo and passenger processing system. GATES interfaces with 28 systems and provides the automated means for integrating service, command, agency, and commercial requirements for execution of cargo and passenger movement through the airlift system.



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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.