



## TCI APPLICATION SERVICES – SUCCESS STORY

United States Transportation Command (USTRANSCOM)

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 applies agile test driven application development practices for RPUIR and DAIS systems development. We built and maintain an integrated Continuous Integration (CI build/test) environment that conducts tests at compile time, testing the entire application environment including Web Applications and Web services. Product owners (functional representatives) are deeply engaged during sprints to get inputs and feedback as soon as possible. The project performance (velocity, burndown/up metrics) are maintained on Intelink as used by Business Enterprise Integration (BEI) representatives.

TCI develops and maintains the Ten USTRANSCOM Corporate Services Vision (CSV)-specific and four generic Web services. We develop, design, and operate Web services (in accordance with DoD regulations and CSV-specific tools and methods) and support a publish and subscribe consumption model where registered users and systems can invoke published Web services without traditional, formal interface agreements.

TRDM consists of approximately 3,900 database tables, with data from over 800 Government and commercial reference data sources. TRDM has a system presence on both the classified and unclassified networks. The data is stored within an Oracle platform. Web users may access data through a custom user interface. There are approximately 50 unique system interfaces with an average of 4 new systems interfacing with TRDM yearly. There are approximately 250 requirements for reference data generated annually; each requirement may include one or more sub-requirements.

### Benefits

TCI's flexibility, innovative way of thinking, and strong work ethic led directly to the completion of several milestones under severe time challenges related to the retirement of the Integrated Command, Control, and Communication (IC3) and TMDS programs. Also, we are instrumental in the attainment of a three-year Authorization to Operate (ATO), and the migration of TRDM into the USTRANSCOM enclave, resulting in subsequent cost savings realized by shutting down legacy hardware/software that was rendered extraneous by TRDM.



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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.