Program Overview

Integrating new technology into legacy systems traditionally requires time-consuming manual custom development. In this program, Tangram Flex’s engineering team helped our customer generate secure software interfaces for rapid replacement of components in open architecture systems.

Technical Approach

Our customer needed a faster and safer way to update and replace software components in an open architecture system. Tangram integrated an on-premise tool to generate secure software interfaces. Tangram provided custom workflows to meet our customer’s major needs:

- **Rapid generation of software interfaces to connect components**
- **Access to advanced assurance tools with readable, actionable evidence of cyber security and resiliency**
- **Automatic documentation for generated code**

The customer’s engineering team was able to perform immediate component swaps without affecting other parts of the system. System updates can now be completed in a fraction of the time with an unmatched level of cyber resiliency.

Component-based Digital Engineering with Tangram Pro™

There is a critical need to rapidly change software in defense systems to accommodate changing mission requirements and market needs. Tangram Pro™ helps engineers build configurable systems with tools for system design, automatic code generation, and software assurance evidence. Tangram Pro™ enables engineers to add, change, version, and reuse individual components for faster, more secure retrofit and upgrades.