



ADVANCING INNOVATION THROUGH DIGITAL ENGINEERING

STC was founded to do systems engineering differently. Every day, we realize the power of formalized modeling to navigate complexity, increase understanding and inform decision-making. Our expert team of model-based systems engineering (MBSE) and digital engineering (DE) experts ensure the success of advanced government and commercial programs through bespoke MBSE and DE services and products.

SERVICES

Our digital engineering services leverage digital, data-based tools, technologies and processes to design, simulate, and analyze engineering systems and programs.



MBSE-AS-A-SERVICE

STC's industry-leading MBSE experts work as an extension of your team to provide proven knowledge throughout the systems development process.

- Model planning and execution
- MBSE for modular and open design
- MBSE for reference architecture design and compliance
- Model-based analysis and simulation
- Model integration and federation
- Model-based verification



DIGITAL ENGINEERING ECOSYSTEM

DE leverages digital, data-based tools, technologies and processes to design and analyze existing and future engineering systems. STC specializes in the design and implementation of full-scale DE ecosystems, leveraging a wide range of disciplines:

- Life cycle management
- Mechanical and electrical design
- Digital thread integration
- Virtual twin and data roundtripping
- Optimized design via multi-physics simulation



MBSE FOR SPECIALTY ENGINEERING

STC can extend your MBSE practices to include specialty engineering disciplines. Incorporating this information into the core of the system design to support critical decision-making and analyses.

- Reliability engineering
- Product line engineering
- Cybersecurity engineering
- Electrical systems
- Safety engineering



CUSTOM MBSE TOOLING

STC can enhance your organization's native digital engineering capabilities and boost efficiency by installing reusable custom automation tools.

- Custom profile development
- Custom plug-in development
- Custom document scripting



CONSULTING

The transition to digital engineering or MBSE can be daunting. STC's team of consultants has the experience and expertise to understand the benefits of the digital approach, how to implement it, and how to navigate the potential issues that you might face along the way.

- Digital engineering technical road map development
- Reusable digital engineering artifacts
- Custom enterprise style guides, validation suites and templates



TRAINING

At STC, we believe that the best way to learn is by doing. Our courses are designed to facilitate learning through hands-on practice to ultimately employ and enable participants to become MBSE practitioners.

- Comprehensive, virtual training
- Hands-on workshop-style training
- Custom-developed training

PRODUCTS

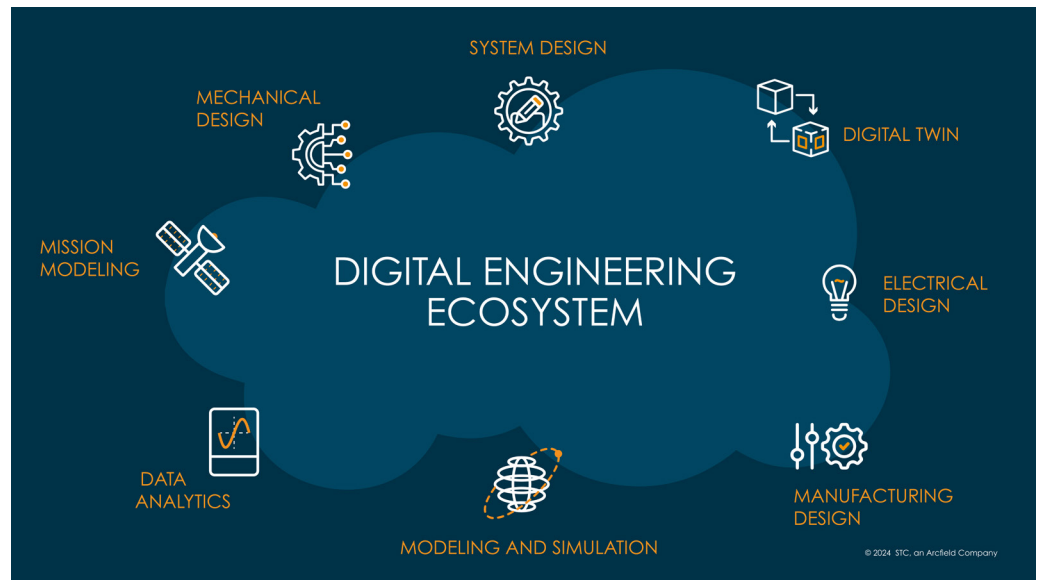
STC is a certified platinum reseller/partner to Dassault Systemes (DS) and is also a member of its Certified Systems Integrator Alliance. We are committed to providing the most competitive pricing, quick turnaround times, and top-tier support for all DS systems we represent across all industries:

- MagicDraw, Cameo Systems Modeler, Cameo Enterprise Architect and associated plugins
- Teamwork Cloud and Cameo Collaborator
- CATIA Magic
- 3DEXperience
- ENOVIA
- DYMOLA
- SIMULIA



NAVIGATE COMPLEXITY

Our mission is to make the complex understandable and to empower innovation that solves the multifaceted challenges of tomorrow.



CONTACT US

STC works closely with our customers to establish an organizational culture that fully leverages the advantages of digital engineering. Contact us today to get started!

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