Teaching Science & Technology Inc. (TSTI)

About TSTI

- **Teaching Science and Technology Inc. (TSTI)** — respected name in systems engineering workforce development for over 25 years.

- TSTI is a small business that assists companies and organizations who wish to improve their systems engineering skills as they relate to the space and other domains.

    - We present quality short courses and workshops in space systems engineering and program management to customers around the world. Our teaching style is highly interactive with emphasis on learning-by-doing and practical real-world examples and applications.

    - Our systems engineering courses provide the processes, tools, and information necessary to "jump-start" new-hires to the space business or improve the performance of mid- to senior-level engineers, systems engineers, and technical program managers.

    - In addition, we provide focused systems engineering support to organizations as they approach critical events in the development process and work as red team support.

    - We wrote the books that describe SE in the space domain, and we've all had practical SE and PM experience in the development world.

- Since 2005, TSTI has taught more than 800 courses to more than 30,000 students for NASA, ESA, DoD and industry around the world

- What Sets Our Courses Apart:

    - **CREDIBILITY**: We wrote the books. We've been there, done that. We bring extensive systems engineering experience.

    - **COMPETENCE**: We're professional teachers. This is our day job. We take the complex and make it simple. We're explainers and motivators. Hands-on exercises ensure that you learn space by doing space. No death by PowerPoint.

    - **CURRICULUM**: We take you from new hire to seasoned space professional. Our on-line learning portal enables continuity through your increasing levels of expertise.

    - **COST**: We're small, with low overhead, and come to you. Your cost is 50% less – you can train twice the people for the same price.

    - **CONTRACTING**: You can get on contract in minutes! We're only a credit card purchase away.

About TSTI

ONSITE TRAINING

TSTI is a premier provider of onsite systems engineering training to NASA, DoD and Industry.

VIRTUAL TRAINING

Since Covid, TSTI has pivoted to providing 100% virtual training. Self-paced online courses also available.

PROJECT COACHING AND INTEGRATED PROGRAMS

Starting a new project? Struggling with an existing one? Need integrated work force development tailored to your project?

SYSTEMS ENGINEERING CONSULTING SERVICES

Project start ups. Red Team proposal review. Expertise in Model-Based Systems Engineering (MBSE).

Learn more at: www.tsti.net

TSTI Courses
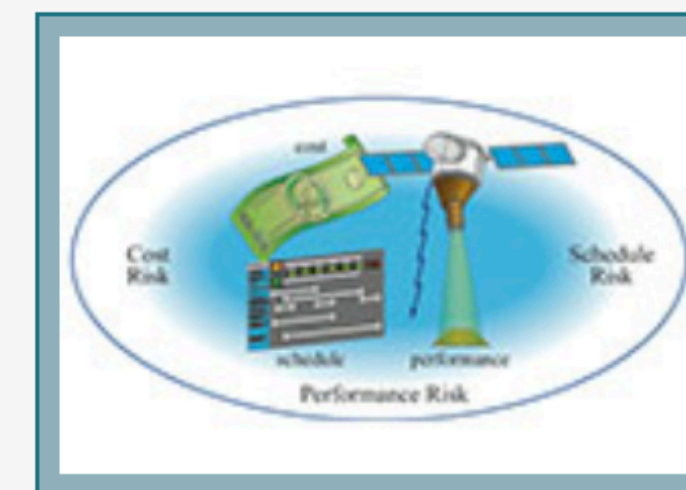
Available Online NOW
Ask about a UNISEC Discount

Available Online NOW
Ask about a UNISEC Discount

UNDERSTANDING SPACE

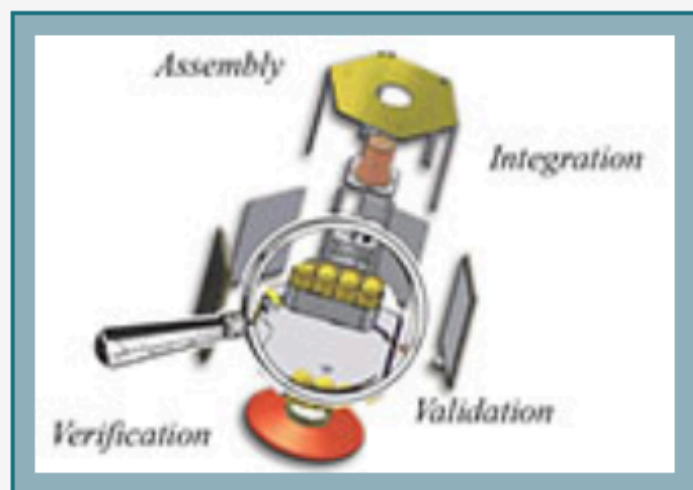An introduction to Astronautics and Space Systems Engineering.

DESIGNING SPACE MISSIONS AND SYSTEMS

An integrated approach to space mission analysis and design.

APPLIED SPACE SYSTEMS ENGINEERING
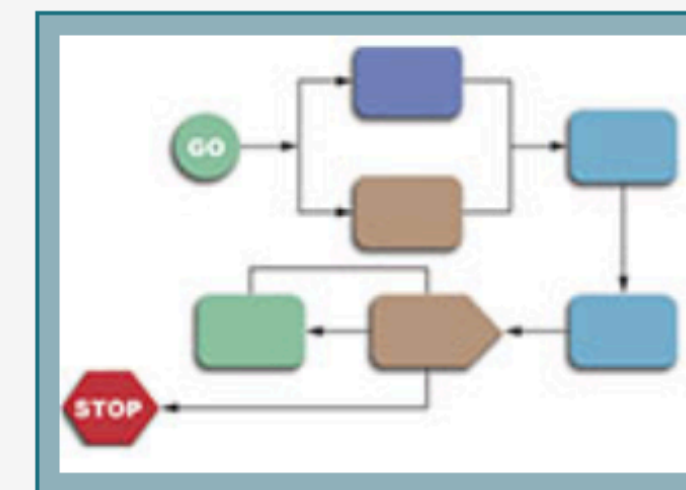
Systems engineering beyond process.

SPACE SYSTEM VERIFICATION & VALIDATION

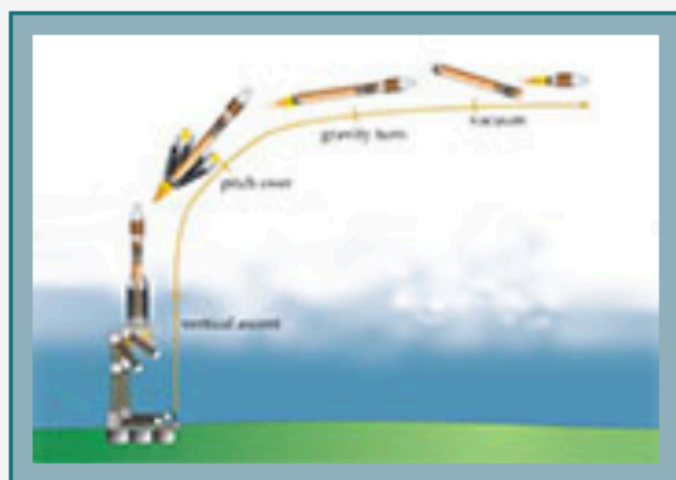Hands-on satellite hardware and software laboratory.

HUMAN SPACEFLIGHT

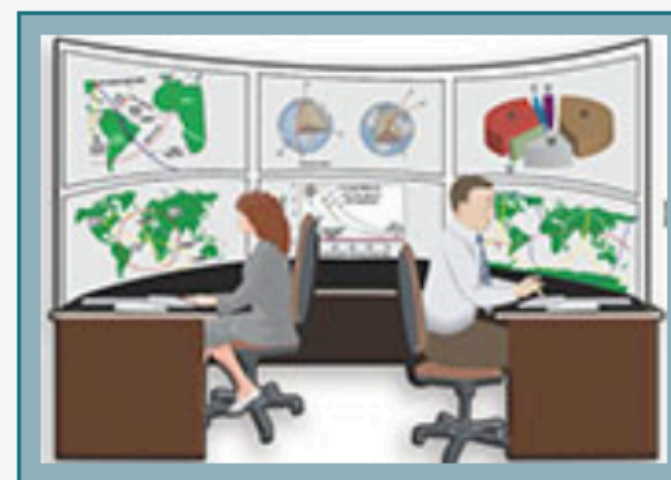Design and analysis of human space missions to LEO and beyond.

APPLIED MODEL-BASED SYSTEMS ENGINEERING

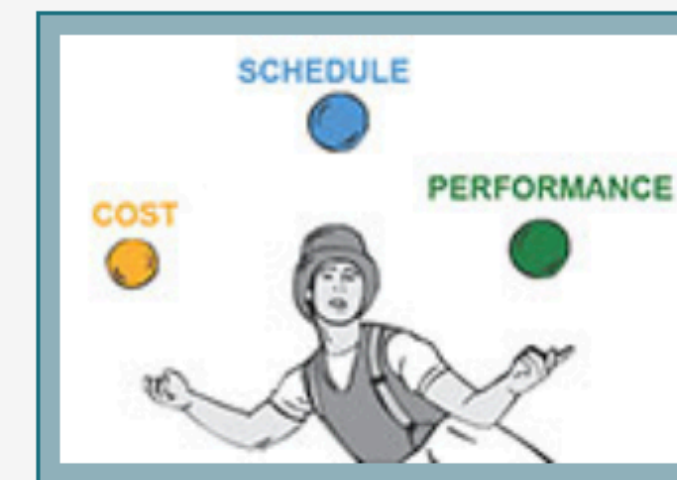Tool-agnostic techniques to do the heavy lifting of systems engineering.

TSTI Courses

SPACE LAUNCH AND TRANSPORTATION SYSTEMS
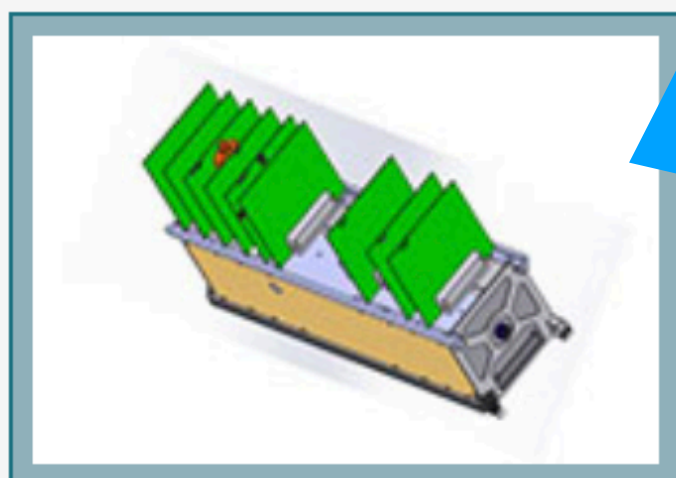
Launch system design and operations.

SPACE MISSION OPERATIONS

From planning to flight control.

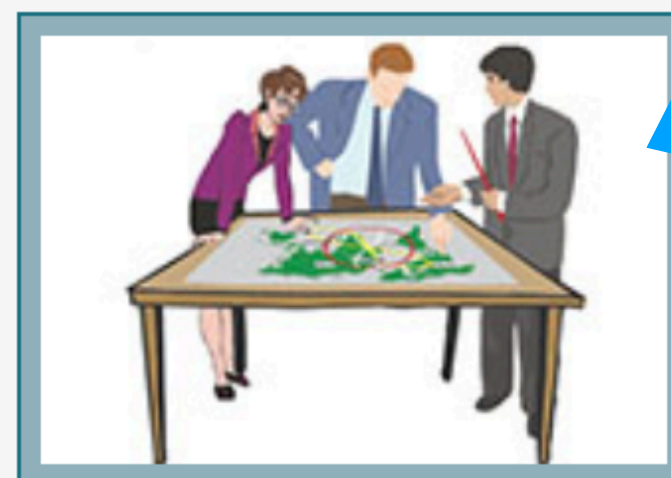**APPLIED PROJECT MANAGEMENT FOR SPACE SYSTEMS**

Achieving project goals on time, in budget with acceptable risk.

Ideal for CubeSAT project start-ups

INTEGRATED CUBESAT ENGINEERING WORKSHOP

Hands-on from concept through operations with real tools, hardware and software.

Ideal for CubeSAT project start-ups

MISSION DESIGN WORKSHOP

Hands-on mission design from concept through proposal.

ESSENTIAL SYSTEMS ENGINEERING

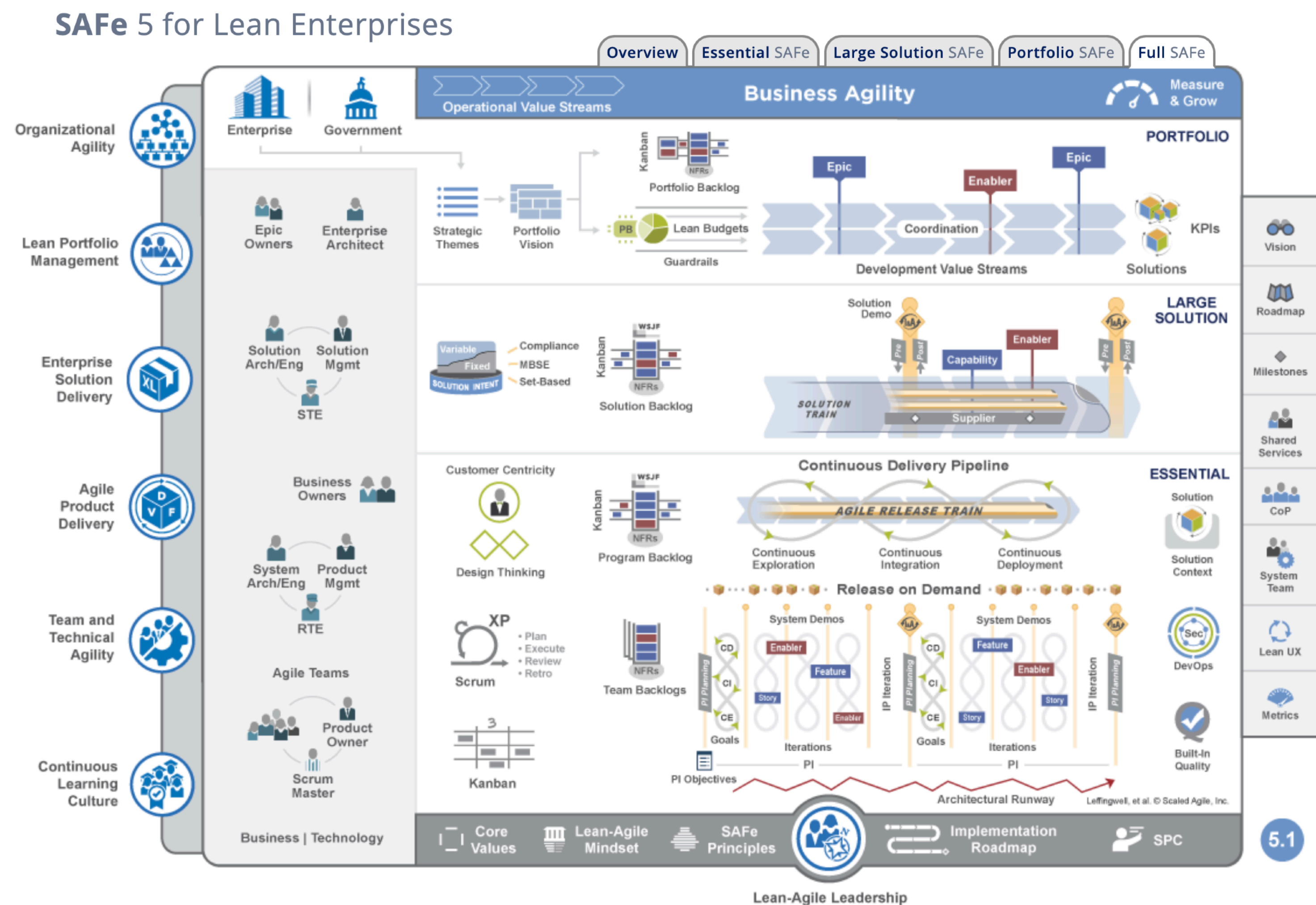Tailoring systems engineering to the essential element for your project.

TSTI Courses

✦ **Teaching Science and Technology Inc. (TSTI)** is also a provider of Scaled-Agile Framework (SAFe) training including:

• SAFe for Teams

• Leading SAFe

• SAFe for Government

• SAFe for Architects

✦ Including Agile coaching for product teams

SAFe 5 for Lean Enterprises

Student Feedback…

- *This was the best course I've attended in a long time. The hands-on practical exercises using real web-based tools were relevant, informative, and worth-while.*

- *This wasn't my first class working with MBSE, but it was my first class where I actually genuinely understood the relationships between the different diagrams.*

- *After day 2 it really came together. I really appreciate the "building" of the system processing through the class*

- *Great job! The team is very professional, knowledgeable, and patient. Very well organized and relevant.*

- *Y'all's ability to juggle teaching, answering questions, and hands on helping was really impressive. Content was good, pacing was right, the method worked for me. Much appreciated.*

- *I wish I had taken this course before or during the NPS [Navy Post-graduate School] class. Thank you very much for teaching us. The use of analogies at the beginning to ground the user in what they are doing was fantastic! I am going to highly recommend this course for anyone doing SE work at my command …*

- *Excellent teaching style. Loved it. For once, training that we can use!!! (not mandated Government training that has very little value in our every day jobs). THANK YOU!!!*

- *…fantastic instructor and … vast knowledge of Systems Engineering and its application at NASA. His course was the perfect balance of discussing the concepts and then providing opportunities for application.*

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Thank you
for your time
and attention!