

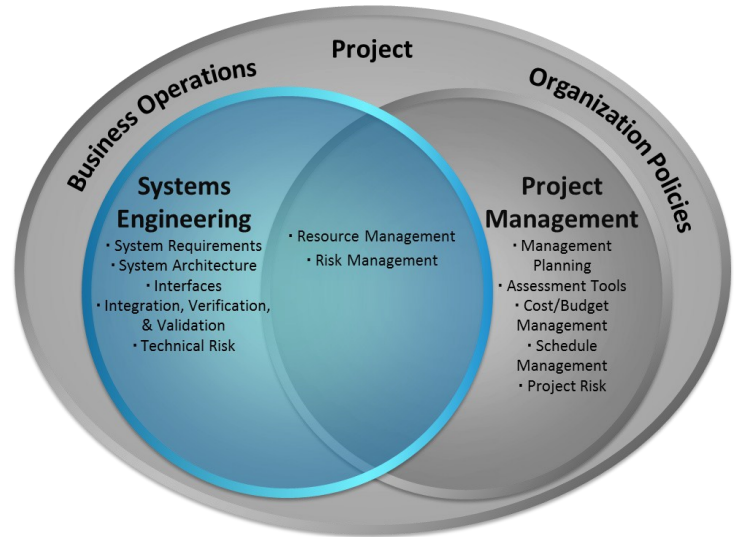
Systems Engineering

Systems Engineering (SE) is an integrated, interdisciplinary, life-cycle based approach to managing technical products.

Do you have:

- Undefined, untraceable, unclear and/or changing requirements?
- A non-existent ConOps or functional analysis?
- An overly complex or incomplete architecture?
- Difficulty explaining the basis for performing expensive tests or analyses?
- Uncontrolled design changes?
- Mismatched system interfaces?

SE is the solution!



Implementation of Best Practices

RII will review your current systems engineering practices and products to identify areas needing improvement. Overall project and organizational benefits will be realized when RII integrates the best practice methodologies with your existing management processes. The goal of the RII approach is to focus on problem areas in the technical processes, define a solution, and implement that solution to produce successful results.

Requirements Management

Identifying systems stakeholders and defining their needs are critical aspects for achieving successful system delivery. The development, analysis, traceability, and management of systems requirements across the life cycle must be rigorous and consistent for every project. RII can provide requirements experts to work with your team to:

- Elicit and capture true stakeholder requirements and establish manageable, traceable requirements statements.
- Minimize rework in system architecture development activities.
- Ensure continuous feedback and closeout of requirements through verification and validation

Technical Risk Management

Risks associated with systems development, operation, and disposal must be identified and assessed to support a complete project risk profile. Technical risk management provides solutions for making informed decisions, optimizing the allocation and use of team and systems resources, and defining trades against system performance, cost, and schedule goals. RII can establish or improve your technical risk management approaches and support your systems engineers in performing complex decision analysis.

Experience Summary

- ✓ Department of Homeland Security / United States Coast Guard
- ✓ NASA Independent Program Assessment Office (IPAO)
- ✓ US Joint Forces Command (JFCOM)
- ✓ US Army
- ✓ Old Dominion University
- ✓ Tidewater Community College
- ✓ Oshkosh Corporation
- ✓ Triad PM/National Science Foundation
- ✓ Northrop Grumman
- ✓ MYMIC, LLC

Focus on your challenges and priorities.