



WHO WE ARE

Forward Engineering, LLC is a force multiplier delivering Digital Systems Engineering, Integration, and Test (SEIT) surge capability to prime contractors — innovating and developing the next generation of advanced aerospace and defense systems.

WHAT WE DO

We help industry partners reduce Risk, accelerate program execution, and deliver integrated, mission-ready solutions to their customers.

We provide legacy SEIT execution, along with implementation, governance, and oversight of digital engineering environments; Including Model-Based Systems Engineering (MBSE) and SysML-based architectures—ensuring a trusted Digital Thread and Single Source of Truth (SSoT) with robust data integrity, full traceability, and model readiness for verification, validation, and deployment.

We seamlessly integrate into established digital engineering ecosystems (e.g., **Jira, Confluence, DOORS, Cameo**), enabling horizontal and vertical integration (**H&VI**) and ensuring alignment across developmental and operational test (**DT/OT**) activities.

We apply proactive risk and Agile configuration management within established program environments—enabling primes to anticipate and control cost, schedule, and performance risks.

FORWARD ENGINEERING “CORE CAPABILITIES”

- SEIT Execution & Oversight
- Digital Engineering & MBSE Advisory
- Digital Thread Oversight & Alignment ensuring SSoT integrity
- Technical Review Readiness & Oversight (**SRR, PDR, CDR, TRR, MRR, PCA/FCA, SVR, LRIP**)
- Program Risk Reduction across complex systems
- Logistics & Technical Data Solutions

CERTIFICATIONS



NAICS CODES

541330, 54138 541512, 54161
541618, 541990, 611430, 512110

PRINCIPAL PAST PERFORMANCE

The following represents the proven experience of **Forward Engineering’s CEO and Principal** across defense acquisition programs with **TS/SCI**.

INTEGRATION COMPLEXITY

Led and oversaw multi-contractor integration across B-2, F-35, T-6A/B, SATCOM, ISR, C2, and UAV systems, aligning primes, subcontractors, and government stakeholders to deliver unified operational capabilities across air, space, maritime, and unmanned environments (**Value: \$350M+**).

TECHNICAL RISK MANAGEMENT

Identified and mitigated integration, interoperability, and test risks impacting cost, schedule, and performance across major acquisition programs, ensuring systems aligned with engineering requirements and operational readiness objectives.

MISSION IMPACT

Enabled mission-ready delivery, including B-2 sustainment & modernizations, F-35 Block 3F IOC, 294 T-6A/B aircraft, secure EHF SATCOM capabilities, integrated C2/ISR systems, and deployment of ISR-capable UAV platforms.

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