

DIGITAL ENTERPRISE Overview

Digital Enterprise for Launch Integration

ManTech's launch and space program customers face complex challenges and enormous amounts of risk throughout the lifecycle of their programs. Our unparalleled expertise, unique perspectives and proven performance in mission-focused systems engineering and integration based IT solutions provide our customers greater visibility into the programs, hardware, software and operating environments needed to achieve mission success.

As part of this overall mission IT work, ManTech's full-spectrum digital enterprise services for launch systems engineering and integration connect the critical data and networks necessary to perform in a secure government cloud.

We leverage the latest commercial technology, innovation and best practices to ensure the DoD has the best technology and value, while ensuring mission success. In addition, our robust network of partnerships and adoption of open industry standards help agencies avoid vendor lock-in and provides maximum flexibility for future cloud advances.

Model-Based Engineering (MBE)

- MBSE (Model-Based Systems Engineering (SysML))
- MDAO (Multi-Disciplinary Analysis and Optimization)

Use Cases

- Launch Vehicle Certification
- Multi-Mission Operations (MMO)
- Rolling, Paperless Reviews
- Early Integration Studies
- Concept Design

Tradespace Exploration

- Early Identification of Issues
- Improved Sensitivity Analyses
- Auto-Generated Documentation
- Rigorous Requirements Traceability
- Early and Ongoing Stakeholder Participation

Leverage Commercial Industry Best Practices

- Authoritative Source of Truth (ASoT) across federated model architecture
- Digital Engineering Information Exchange (DEIX)
 - Data transparency & visibility enabled by enterprise infrastructure, application standards, & data tagging
- Cloud Smart – Single strategy to adopt cloud solutions that streamline transformation and embrace modern capabilities for multiple clouds and missions
- Independent services delivered ensure source data remains secure

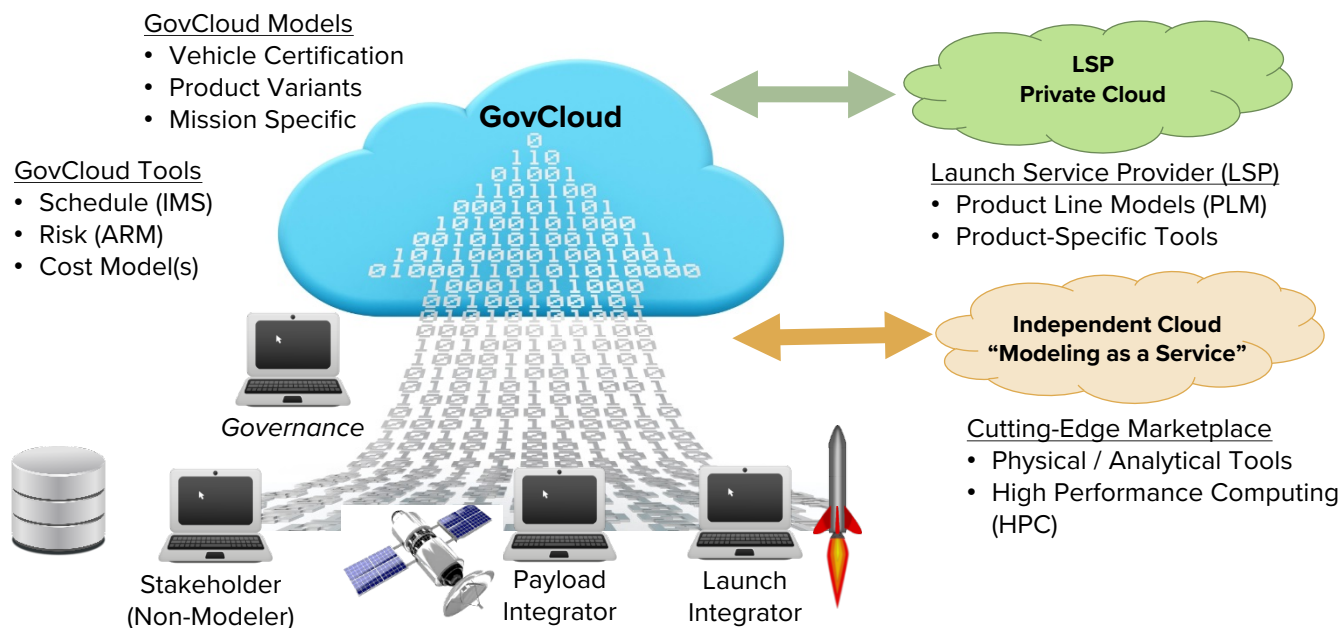


Proven ROI Across Many Organizations in Multiple Industries

- Leveraging Early (in Concept Exploration) drives down costs across entire product lifecycle
- Proven over 20+ years in multiple industries by major customers including supply chains
- Government resources are progressing toward an MBE solution (integration of mission, systems, physics and cost models)

Modeling as a Service (MaaS)

- Access to high-fidelity analytical models maintained locally by the experts that created them
- Much less time on repetitive tool development and planning tasks → Much more time on exploring trade space
- Models are never exchanged, only linked; IP is never shared; Eliminate software licensing issues



LEARN MORE

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