



Transforming Engineering with MBSE



At VIAS3D, we understand the transformative power of Model-Based Systems Engineering (MBSE) in today's complex engineering environments. Our advanced MBSE services, powered by CATIA Magic for general industry and NoMagic exclusively for Department of Defense (DoD) projects, are designed to meet the rigorous demands of modern engineering challenges

MBSE increases ROI of system development and design by



Integrated Digital Environment
Providing a single authoritative source of truth.



Error Reduction
Ensuring changes propagate throughout the entire model without error.



Minimized Rework
Fully understanding the problem domain and discovering errors earlier in the product lifecycle.

Benefits for the Aerospace and Defense (A&D) Industry



Accelerated Development Cycles:
Supporting faster product development for the warfighter.



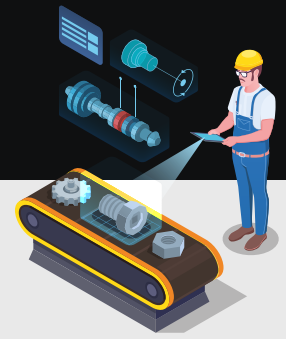
Reusable Model Elements
Enabling multi-mission programs.



Requirements Traceability
Maintaining traceability throughout development and design phases.



Experience the VIAS3D Advantage



CATIA Magic for Industry Innovations

Integrated Systems Engineering

Seamless transition through each phase of system development from requirements management to validation.

Advanced Simulation Capabilities

Predict system behaviors, validate functionalities, and optimize performance early in the development cycle.

Enhanced Collaboration

Tools supporting synchronous work across departments, ensuring all stakeholders have up-to-date project developments.

NoMagic for Defense Sector Excellence

Compliance and Security

Meeting the DoD's rigorous security and regulatory requirements.

Tailored for Defense Needs

Capabilities like SysML, UPDM, and DoDAF supporting complex defense project requirements.

Proven Benefits Observed by Our Customers

Improved Communication

Enhanced communication among stakeholders.

Product Quality

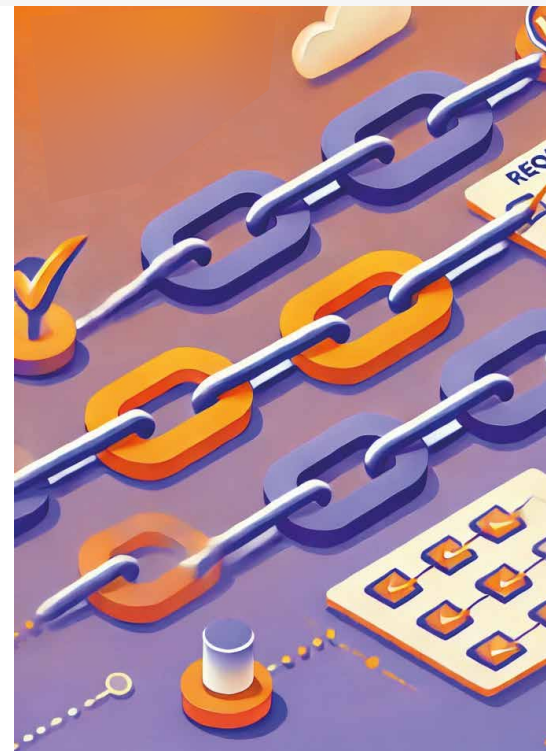
Improved product quality with clear and precise models.

Complexity Management

Increased ability to manage system complexity.

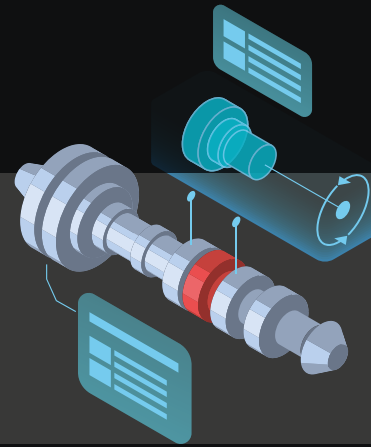
Knowledge Capture

Enhanced capture and reuse of information.





Driving MBSE Adoption



Adopting MBSE practices can be transformative but requires a strategic approach. VIAS3D supports organizations in developing comprehensive adoption strategies, from assessing current practices to training teams and implementing best-in-class MBSE tools.

Why Partner with VIAS3D?

Enhanced Efficiency

Streamline processes and reduce time-to-market.

Risk Mitigation

Identify and address potential issues early with advanced predictive capabilities.

Guaranteed Compliance

Ensure your projects meet all industry standards and regulations, avoiding costly penalties and delays.

Industry Applications

-  Aerospace and Defense (A&D)
-  Transportation and Mobility (T&M)
-  Industrial Equipment
-  Life Science

Disciplines or Domains within MBSE

- Requirements Refinement and Traceability
- Logical System Decomposition
- Functional Architecture and Behavior Analysis
- Trade Studies Using Parametrics
- Verification and Validation

Ready to Transform Your Engineering Processes?

For personalized solutions tailored to your specific needs, request a quote or get in touch with our expert team today. We are here to assist you every step of the way. Contact us now to start your journey towards innovative and efficient solutions.

Reach out to **Matt Olivero**,
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Learn More Here!



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