

## Who We Are

High-impact engineering consulting and leadership for aerospace, defense, marine, and advanced manufacturing. **30+ years** of senior experience from companies such as Pratt & Whitney, Lockheed Martin, and Structural Composites.

## Core Capabilities

Service Area	Key Offerings
<b>Mechanical Systems &amp; Product Development</b>	Complex mechanical design, 3D modeling (SolidWorks, Creo, Siemens NX, Autodesk Inventor), product development from concept to production, rapid prototyping
<b>Model-Based Definition (MBD) &amp; GD&amp;T</b>	ASME Y14.5 Subject Matter Expert, full MBD implementation, GD&T application & training, 3D model verification, RDDs, drawing reduction.
<b>Test Facility &amp; Specialized Equipment Design</b>	Custom test rigs, handling systems, harsh environment equipment, altitude chambers, corrosion & splashdown testing.
<b>Advanced Manufacturing &amp; Lean Optimization</b>	Value Stream Mapping, assembly line redesign, custom fixtures & jigs, productivity benchmarking, Design for Manufacturing & Assembly (DFMA)
<b>Innovation Strategy &amp; R&amp;D Roadmapping</b>	Fractional R&D leadership, innovation acceleration, proposal development, technology integration
<b>Systems Engineering &amp; Project Leadership</b>	Systems integration, risk mitigation, cross-functional team leadership, project execution support

## Proven Impact

- Led \$150M+ engine development & test facility proposals
- Supported Columbia Class submarine, NASA Orion, CH-53K, F35, SSME, RL60, RL10, Littoral Combat Ship, Remote Mine-Hunting Vehicle, AR1500 Tidal Turbine, and various DARPA technology development programs.
- Expert transition support from traditional drawings to full Model-Based Definition

**Ideal For** Small to mid-size businesses, startups, and engineering teams needing **fractional senior expertise** without full-time overhead.

**Ready to move faster?** Let's design tomorrow's systems today.

## Contact:

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