LINQUEST

## WHAT IS MBSE$^{i}$?

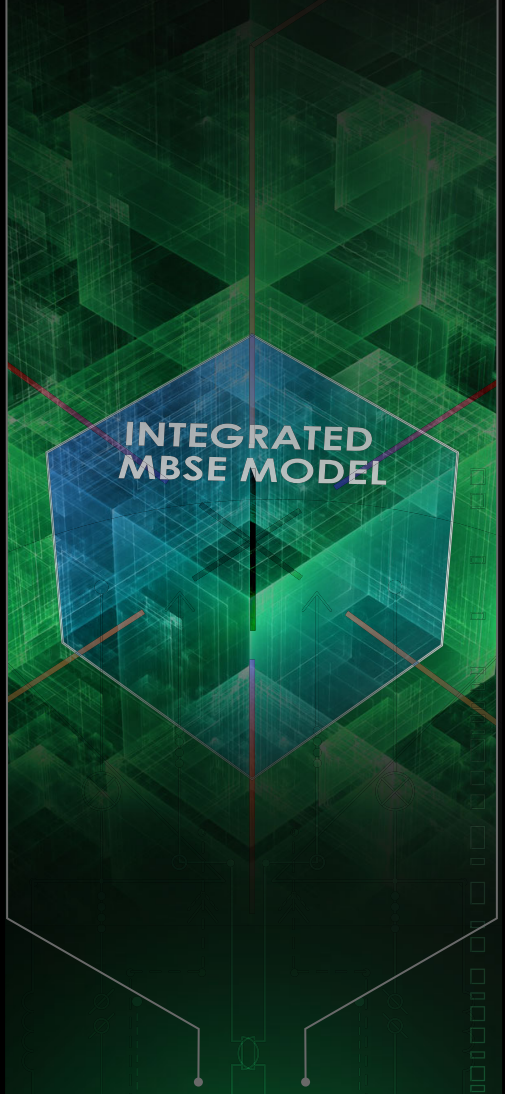
LinQuest's unique model-based engineering (MBSE) methodology is at the forefront of OSD's Digital Engineering Strategy and provides solutions across the entire program lifecycle, going beyond "traditional" MBSE capabilities by incorporating powerful tools in a seamless MBSE framework. The key to LinQuest's approach is the Power of i: integration with standard and custom models, simulations, tools, and databases that provide the authoritative source of truth used to inform enterprise and program decision-makers; innovation through our use of advanced 3D visualization in a secured immersive environment to improve the digital engineering practice and stakeholder collaboration; and implementation by our domain and architecture experts who lead and support digital engineering execution and transformation efforts for our customers.

MBSE$^{i}$ provides focused solutions that improve execution success by ensuring continuity of model use across the entire program lifecycle. It supports any level of an enterprise system of interest, from individual systems to complex systems-of-systems. Our modelers are proficient with commercial modeling tools such as Sparx EA and No Magic Cameo Enterprise Architecture.

# MBSE$^{i}$

Model-based Systems engineering to the i$^{th}$ Power

**INTEGRATION, INNOVATION, AND IMPLEMENTATION**




*Learn more at:*
**www.linquest.com**
*Contact us at:*
**marketing@linquest.com**

## FEATURES

MBSE$^{i}$ is a core capability for program planning, traceability, dependency assessment, architecture, analysis, and impact assessments. Our coordinated, model-centric approach uses common data and shared views to improve technical baseline document quality, change control, stakeholder integration, collaboration, and execution.

- JCIDS, rapid acquisition, and agile support
- Gap analysis and mitigation strategy development
- Analysis of alternatives and systems-of-systems analysis
- Portfolio integration and managment
- Test plan development and requirements V&V
- Business processing re-egineering

## BENEFITS

- Technical baseline accuracy, quality, and configuration control
- MBSE model repository and reuse enables efficiencies, reducing manpower requirements by 50% and saving months of development time
- Cohesive end-to-end analysis in support of integration activities reduces cost growth and schedule delay
- Model-based artifacts shorten coordination timelines by reducing document length by more than 80%