

The KURTEK logo is displayed in a large, bold, blue sans-serif font. A small blue diamond is positioned below the 'K' and above the 'E'.

CURATED TECHNOLOGIES

ADVANCING TECHNOLOGY ♦ ADVANCING HUMANITY

SYSTEMS ENGINEERING MODEL-BASED SYSTEMS ENGINEERING

KEY CAPABILITIES

Architecture Models ♦ Requirements Modeling ♦ Behavior Modeling ♦ Structure Modeling ♦ Parametric Modeling
Modeling Tools ♦ Cameo ♦ Capella ♦ Enterprise Architect ♦ MagicDraw ♦ Rhapsody
Standard Frameworks ♦ DoDAF V2.02 ♦ TOGAF 10

The complexity of space and ground systems and agencies' increasing reliance on enterprise architecture as the basis for system development and sustainment drive a growing need for model-based systems engineering capabilities across the global space ecosystem. Kurtek leverages our team's MBSE expertise to enhance our comprehensive systems engineering service portfolio, enabling us to

improve architectural traceability and consistency; effectively identify and control dependencies, changes, and risks; and enhance collaboration across teams, programs, and agencies.

Kurtek engineers are experienced with developing architecture models to align with standard architecture frameworks, such as DoDAF and TOGAF, and seamlessly combining elements of model-based and document-based systems engineering methodologies to meet non-MBSE mission, program, and agency objectives and generate artifacts to meet the requirements of established agency systems engineering guidelines, including NPR 7123 and DoDI 5000.88.

Working with Kurtek gives you access to a proven combination of experience and expertise from across the global space industry. Our engineers have contributed to the design of numerous flagship space and ground systems, and their comprehensive knowledge, mission experience, and specialized skillsets enable us to deliver an effective solution for your unique needs.

REPRESENTATIVE PROGRAMS

- Developed architecture models for NASA's Near Space Network to support next-generation capability planning, assessment, and evolution.
- Utilized multiple architecture models of a NOAA multi-mission ground system to support change traceability and management during capability evolution planning.

To learn more about our capabilities, email us at info@kurtek.io or call our team at **703-943-7236**.