

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

CURATED TECHNOLOGIES

ADVANCING TECHNOLOGY ♦ ADVANCING HUMANITY

## INTEGRATED SYSTEMS RAPID PROTOTYPING

### KEY CAPABILITIES

**Hardware Prototyping** ♦ Quick-Turn Component Sourcing ♦ Metal and Plastic 3D Printing ♦ CNC Machining ♦ Breadboards and Protoboards ♦ Hand Fabrication and Assembly

**Software Prototyping** ♦ Wireframing and Mockup Tools ♦ Low-Fidelity Modeling ♦ Low-Code and No-Code Frameworks ♦ Rapid Application Development (RAD) Tools

**Integration and Validation** ♦ Rapid Iteration and Refinement ♦ User-Centered Design ♦ Automated Test Tools and Harnesses

As programs face complex design challenges, evolving system requirements, and demanding implementation timelines, agencies seek new and innovative ways to validate key technical decisions, mitigate risks, and reduce development costs and timelines. Kurtek provides rapid prototyping support that effectively combines hardware and software design and development expertise, enabling programs to demonstrate technology feasibility, validate component and system designs, collect and evaluate early user feedback, and provide rapid support for unexpected mission requirements, contingencies and surge needs.

Kurtek engineers have experience with rapidly designing, building, and validating prototypes of hardware components, software applications, and integrated systems. We are experts in sourcing readily available components, executing quick-turn hardware builds, and leveraging rapid application development tools and methodologies to move from initial concept definition to demonstration-ready prototypes — and, if necessary to meet critical mission needs, operationally-ready systems — in a matter of days or weeks.

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

### REPRESENTATIVE PROGRAM

- Designed, built, and deployed high-performance signal conversion devices for use at remote NOAA ground terminals, completing the entire process from concept to operational system in a six-week timeframe.

To learn more about our capabilities, email us at [info@kurtek.io](mailto:info@kurtek.io) or call our team at **703-943-7236**.