

ADVANCING TECHNOLOGY . ADVANCING HUMANITY

# **DEVELOPMENT & SUSTAINMENT**

AGENCIES MUST DEPLOY
ADVANCED, CUTTINGEDGE TECHNOLOGY TO
ACHIEVE PROGRAM
OBJECTIVES AND ENABLE
THE NEXT GENERATION
OF SPACE MISSIONS AND
GROUND SYSTEMS.

The continuous growth and evolution of the global space industry drives an ever-increasing demand for technology solutions ranging from specialized space and ground systems to high-performance enterprise data services. Kurtek provides a portfolio of system development and sustainment services that combines integrated, multidisciplinary capabilities and specific domain expertise to provide proven, cost-effective performance and enable agencies to reliably achieve mission objectives.

#### THE KURTEK DIFFERENCE

Our core strength is an unparalleled team of senior engineers and specialized subject-matter experts. Our engineers have decades of proven performance in multiple technical disciplines, with direct hands-on experience supporting numerous agencies, missions, programs, and systems across the global space community.

Customers rely on us to deliver results. Our staff leverage a robust portfolio of engineering methodologies, such as Predictive Failure Analysis, Scaled Agile, and DevSecOps, to implement optimized full-stack software, integrate and deploy complex systems-of-systems, and provide full-lifecycle sustainment while reducing system costs, mitigating obsolescence risk, and addressing unique mission and program constraints.

LEVERAGE OUR PROVEN ENGINEERING EXPERTISE TO ENABLE INNOVATIVE SOLUTIONS AND REDUCE MISSION COST AND RISK. Working with Kurtek gives you access to unique experience and expertise from across the global space industry. Our engineers have contributed to the development of numerous key space and ground systems and can deliver comprehensive, end-to-end engineering support for your program's unique requirements.

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



Our wealth of experience and expertise allows us to provide robust development and sustainment support across all phases of the program lifecycle.

#### **DESIGN & DEVELOPMENT**

- Generate and maintain detailed system designs to model and document component functions, interactions, and parameters.
- Implement integrated custom hardware and software solutions to satisfy missionunique requirements.
- Conduct tuning and optimization to meet mission performance thresholds.



## **MAINTENANCE & SUSTAINMENT**

- Provide technical support to users of operational systems.
- Incrementally evolve and enhance system functionality and performance.
- Continuously track and manage obsolescence risks and end-of-life timelines.
- Execute periodic technology refreshes to rebuild and consolidate aging systems.

### **INTEGRATION & DEPLOYMENT**

- Procure, integrate, and test third-party components from vendors and agencies.
- Configure and deploy host platforms for government and commercial software.
- Integrate disparate systems and services into a consolidated enterprise network.
- Conduct equipment installation at local and remote sites.

We have successfully delivered results to government and commercial programs across the global space community.

## REPRESENTATIVE PROGRAMS

- Designed and implemented a high-performance, modular data processing software framework to enable interoperable service delivery across a global network of NASA and partner agency ground stations and mission operation centers.
- Provided long-term maintenance, sustainment, and enhancement support for a multi-site enterprise ground segment supporting a flagship geosynchronous satellite constellation.