

# Unmanned Systems

## Innovation to **extend human capabilities** and accomplish the mission

At Dynetics, we have combined our strong foundation in unmanned technologies with a special focus on autonomous systems, acting as a force multiplier to enable our customers to extend their human capabilities to better accomplish their missions.

Our team brings together the expertise, equipment, and processes needed to provide full-spectrum engineering capabilities, advanced system integration and testing, real-time data services, complex flight operations, and revolutionary counter-UAS technologies.

**Full-Spectrum Engineering Capabilities** We offer comprehensive solutions for accurate, detailed design, prediction, analysis, and testing of unmanned systems, including:

- Aerodynamic Design and Analysis
- Modeling and Simulation
- Software Development
- Advanced Algorithms
- Rapid Prototyping

**Advanced System Integration and Test** Our analytical capabilities, manufacturing facilities, and real-world experience enable us to deliver fully tested and integrated system and payload designs for diverse applications. We specialize in platform integration, guidance, navigation, and control (GNC), and sensor selection.

**Data Services** Our customers don't typically want data – they want answers backed by data. We manage, integrate, calculate, and reduce large volumes of data into meaningful metrics for decision makers.

**Flight Operations** Our UAS and aviation experts provide comprehensive flight services for both public use and commercial aircraft. We handle the complexities of flight operations, including planning, approvals, safety, and airspace regulations, as well as training. Our proven processes mitigate significant risks to aviation operations.

**Counter-UAS** Dynetics is on the forefront of counter-UAS security, leveraging Dynetics' background in UAS; electronic warfare; radar; and target detection, tracking and classification to provide defense against small UAS threats.



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