
# The Gremlins Program Fact Sheet

Dynetics is developing an unmanned air-recoverable platform that can bring together a wide array of emerging technologies for the Defense Advanced Research Projects Agency (DARPA) Gremlins program. Gremlins will be launched from existing military aircraft while out of range of adversary defenses. The Gremlins architecture enables other critical technologies such as advanced payloads, autonomous operations, and distributed battle management of swarming systems. When Gremlins complete their mission, a C-130 transport aircraft retrieves them in the air and transports them to a base of operations where ground crews refurbish and prepare them for their next use within 24 hours.

The Dynetics Gremlins architecture enhances the operational flexibility and effectiveness of U.S. military air operations and provides recoverable flight test platforms for advanced payload research. Dynetics is positioned to successfully complete the DARPA program and rapidly transition this important capability to the US military.

## DARPA Gremlins Timeline

**Phase 1.** Preliminary studies to pave the way for a proof-of-concept flight demonstration that validates an air recovery concept for multiple Gremlins. Four companies were awarded Phase 1 contracts in 2016.

**Phase 2.** Technology maturation. Two companies were awarded Phase 2 contracts in 2017.

**Phase 3.** Demonstrate the ability to launch multiple Gremlins air vehicles and safely recover them onto a C-130 aircraft by the end of 2019. Dynetics was awarded the Phase 3 contract in 2018.

The Gremlins program explores numerous advanced technical areas, including:

- **Airborne recovery of multiple air vehicles at high rates**
- **Low-cost, limited-life airframe designs**
- **Operational safety for execution of high risk Gremlins missions**

The program will culminate in a compelling demonstration of a complete system that can quickly transition to multiple applications for the U.S. military.

# Dynetics Gremlins Team

Dynetics offers the technical breadth of a large company with the agility and creativity of a smaller company, which is a valuable combination for complex, fast-paced demonstration programs like Gremlins. As a company that builds and values strong relationships, Dynetics has assembled a subcontractor team of industry leaders that represent best-in-class for some of the key technical challenges.

- **Kratos Unmanned Aerial Systems**
- **Sierra Nevada Corporation**
- Airborne Systems
- Applied Systems Engineering, Inc.
- Kutta Technologies, Inc.
- Moog Inc.
- Systima Technologies, Inc.
- Williams International

## Fast Facts

### Airborne Recovery Technology:

A safe, repeatable approach that can be adapted to multiple types of air vehicles and recovery aircraft.

### A Transitionable System:

The Dynetics Gremlins system is an open-architecture design that fits within the existing logistical infrastructure of the U.S. Air Force with no peculiar or permanent modifications to existing support equipment.

Dynetics, Inc. is an aerospace products and engineering services company that serves the defense, intelligence, space and critical infrastructure sectors. Dynetics' work on the Gremlins program is managed by the company's Missile and Aviation Systems Division, which specializes in the rapid, affordable development of aerospace products to meet specific and sometimes urgent customer needs. The division is the company's lead for research, development, rapid prototyping, testing and production of munitions and next-generation weapons and unmanned systems. The company of 1,500 employee/owners is based in Huntsville, Ala., and has offices throughout the United States.

**Dynetics Corporate Communications**
CorporateCommunications@dynetics.com

**www.dynetics.com**
256.964.4000

Dynetics