

NAVPATH™

UAS Flight Planner

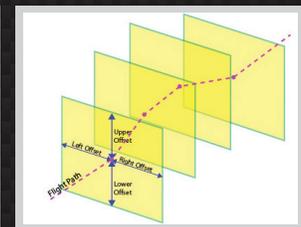
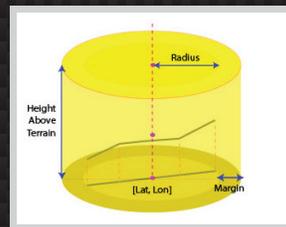
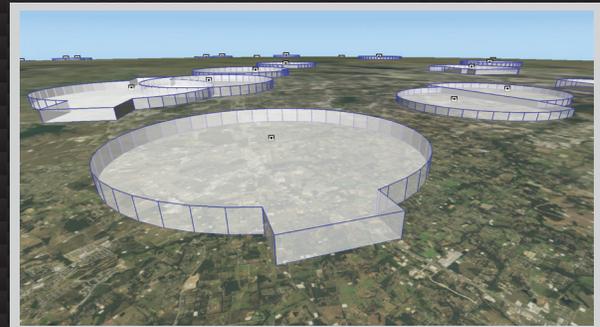
Data is the Mission.
Plan Accordingly.

The Power of NavPath

NavPath is a UAS-agnostic flight planning tool that combines advanced features with a flexible and intuitive user interface. NavPath is designed to meet the need for rapid flight plan development while retaining fine-grained control over flight plan parameter definitions. This is accomplished through the auto-generation of waypoints and geo-fences while allowing manual definitions and point-by-point editing capabilities. Additionally, NavPath provides the option for disconnected flight plan development, in the absence of an internet connection, for operation in remote locations. By leveraging these capabilities, NavPath enables the most efficient and optimized flight plan for your UAS mission!

Highlights

- Multiple UAS compatibility
- 3D visualization
- Loading of GIS reference data
- U.S. Airspace boundary definition
- Manual and automatic waypoint generation
- Geo-Fencing (cylindrical, polygon and tunnel)
- Flight preview
- Flight playback and analytics
- Sensor coverage visualization
- Disconnected operation

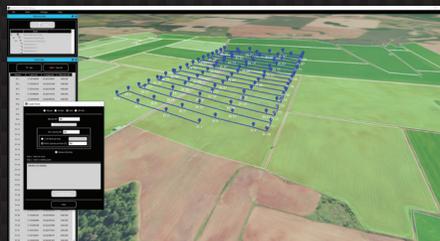


The NavPath Workflow



1. Load Reference Data

Reference data such as agricultural data or infrastructure location data can be loaded into NavPath to facilitate route definition.



2. Create Waypoints

Waypoints can be manually defined using point-and-click or auto-generated relative to loaded reference data.



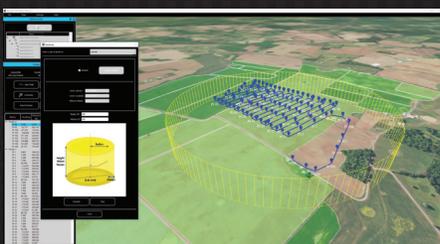
3. Define Profiles

Groups of waypoints can be grouped into "profiles" for naming and ordering the segments of complex flight plans.



4. Select UAS & Define Commands

Once the UAS is selected, the command set (e.g., takeoff, loiter, etc.) for the vehicle is available for assignment to waypoints.



5. Establish GeoFence

Flight and safety boundaries ranging from simple cylinders to complex "tunnels in the sky" are easily assigned.



6. Preview Flight & Export Plan

Assess the viability of the flight plan and sensor coverage using "Preview" and then export the flight plan file for use with the target UAS.