radai

Geophysical Surveys and Remote Sensing with UAVs

RadaiPath – UAV waypoint generation tool

Design survey areas
- Create or import (BNA file) survey polygons

Design line systems
- Line direction and spacing
- Line by-pass (margins)

Define home base
- Survey altitude based on the barometric pressure at home base location

Design waypoints:
- Waypoint spacing
- Line turnings
- Transit flights

Edit waypoints
- Edit location & altitude (e.g. powerlines, buildings)

Digital elevation models
- Allow path to follow the terrain
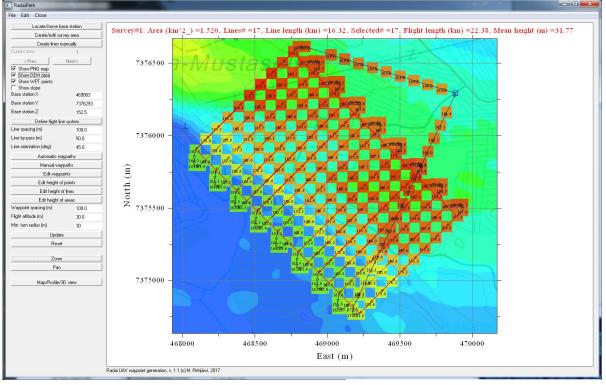- Import DEM data as ASC files (ESRI ASCII grid format)

Background maps
- Support PNG/JPG/TIF files
- Geo-referencing by ESRI world files (PGW/JGW/TFW)

Manual flight lines
- Non-regular flight lines
- Special surveys (e.g. clover leaf)

Export waypoints to autopilot