

Ground Control Station



weGCS

weControl provides the weGCS, ground control station software to be used together with the wePilot1000, wePilot3000 and wePilot4000 families of flight control systems.

The software is running under Microsoft Windows® and is usually installed on rugged computers. The communication with the aircraft is done through a serial port connected to the data-link.

The preparation of a flight mission consists in importing map images, calibration of it, import of DTED files, as well as loading / editing / saving of the flight plan based on waypoints.

During flight, the software features visualization of telemetry data (position, velocity, attitude, modes, aircraft health and alarms), in flight mission modification capabilities, drag-and-drop buttons for command execution. All the communication traffic to/from the aircraft is logged and allows a post flight mission replay.

It also permits to control the UAV in assisted mode by providing a software joystick or by using an external game pad.

The software is delivered with an USB-dongle to restrict usage to allowed users.

weControl



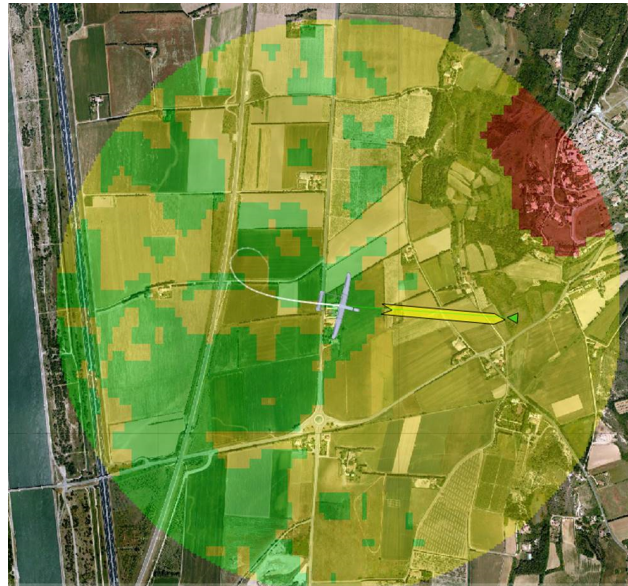
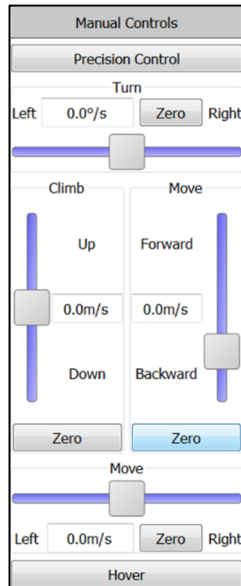
Specification

Host requirements

Operating System	Windows® 7/10
Optimal screen resolution	1368x768
USB port for the dongle	1
USB port (joystick/game pad)	Optional
Serial COM port	1
Touch screen	Preferable
RAM memory	2GB

Waypoint types

- Start waypoint
- Stop waypoint with selectable direction and stay duration
- Cruise waypoint
- Home / Cone home waypoint
- Circle / Hippodrome / Eight with selectable number of laps
- Scan waypoint / S-figure



Version

The weGCS software is delivered in its version 2.7.