UAV Navigation
grupo oesía

GCS Software For:

Ground Control Station > GCS Software

VISIONAIR GCS Software

Visionair is UAV Navigation-Grupo Oesía's standard Ground Control Station software. It aids in the planning, execution and post-analysis of UAV operations.

Key Features:

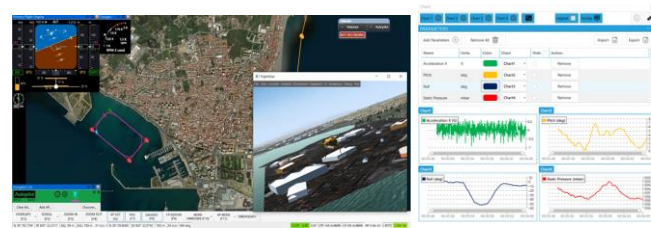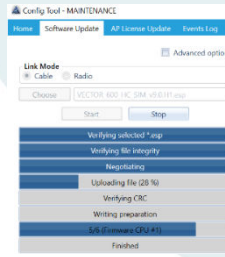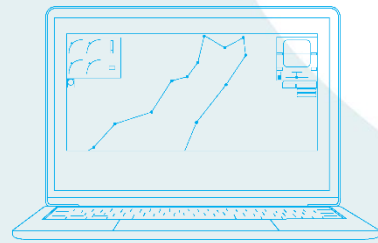|		
Intuitive and reliable	**All-in-one tool: Configuration, Operation and Post-Analysis**	**Enhanced Situational Awareness**
Advanced Flight Plan Editor	**Advanced Sense and Avoidance Capabilities For ATC Monitoring**	**Flexible and Customizable**

Features:

Configuration:
- **Visionair Configuration Tools** to configure autopilots and AHRS-INS units.

Operation:
- **Mission-oriented** interface.
- Compatible with all kinds of digital mapping.
- Platform: PC/laptop Windows 10.
- **Advanced Flight Plan Editor:**
  - Multiple Flight Plans.
  - Alternative Landing Sites.
  - Automatic Actions on Waypoints.
  - Autogrid Flight Plan Generator.
  - Edition and Modification during the operation.
- **Multi-UAV Operations.**
- **Referenced Navigation.**
- Predictive Paths.
- **Sense and Avoidance (ACAS I).**
- **3D synthetic video representation** in Flight Gear.
- Flight Plan export to **Google Earth** for visualization purposes.
- Advanced Primary Flight Display.
- Integrated ATC Monitoring & Geofencing Capabilities
- Visionair Charts for real time telemetry visualization.
- Integrated payload control:
  - Camera Control Modes such as Camera Guided.
  - DGPS configuration to enhance accuracy.
  - Transponder ADS-B In & Out Control and Configuration (e.g. Sagetech).
  - Visionair is compatible with RTK systems.
- Connect two or more GCS, each running Visionair, to control or monitor a single UAV flight.
- Visionair can output the GPS track of a platform's position in NMEA format.
- Waypoints: Up to 400.
- Full DEM support.
- Rulers.
- Configurable alarms, gauges and tags.
- Fly/No-fly Zones.
- Feedback Monitoring for PWM Servos.

Post-Analysis:
- Easy telemetry visualization thanks to the user-friendly interface.
- Representation of complex mathematical operations between flight data variables.
- Interactive graphs.
- Configure your interface and save it for future use.
- Multiple parameter representation.
- Multiple tools for a deep post-analysis.
- Create notes.
- Customizable.