GeoDataDrones

Geospatial Drone Intelligence

At GeoDataLab, we strongly believe that to stay ahead of the times, one must already be focused on the future. This is why we invest in **research** and the **continuous training** of our staff.

GeoDataDrones is one of the outcomes of this commitment, along with the opportunity to collaborate with other companies to create cutting-edge solutions in areas like **Agriculture 4.0** and **Infrastructure Monitoring**, where we have already applied our acquired knowledge.

If you're interested in **partnering with us** for further developments and applications of GeoDataDrones, contact us today. We'd be happy to discuss it!
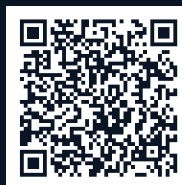
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GeoDataDrones originates from expertise in geospatial data management, drone fleet intelligence, U-space infrastructure positioning, and agricultural survey management.

geodatalab.it

GeoDataDrones

GeoSpatialDrone Intelligence *as a Service*

Our mission: to combine **geospatial and aviation intelligence** expertise in delivering **flexible and intuitive solutions** tailored to meet our customers' multifaceted demands and evolving challenges

Data Management for U-SPace

The **management and processing of geospatial data** is essential for making strategic decisions. This is our core expertise, built on years of experience.

Check out our project page to know more

We have conducted research on the **optimal positioning of vertiports**, developing an automatable process that integrates detailed maps, regulations, and flight restrictions.

We are co-authors of scientific publications in collaboration with other universities in Italy and abroad

If the drone mission has interesting digital outputs (i.e., photogrammetry), an automated procedure will make their **products accessible** through the web.

We are a specialized team that points to technological innovation to develop cutting-edge **GIS software** solutions for businesses and territories.

Drone Fleet Data Intelligence

We have experience **developing software solutions** for drone operators, offering comprehensive tools for mission planning, management, and assessment.

Through a simple interface, users can define:

Drone assets management

The area of interest, gathering ATM-09 zones and restricted airspace data

Risk management

Alignment to optimal corridor path

The platform integrates cartographic layers and **real-time environmental data** for an in-depth situational awareness.

It allows you to integrate georeferenced information from **different sources** and in different ways.

The operator can **manage drone fleets**, general project information, mission reporting, and user management.

Aerial Intelligence for modern farming

The mobile app is designed **to streamline the process of organizing and monitoring aerial surveys** for agricultural purposes.

It provides useful tools for both **farmers** and **survey administrators** to effectively manage their operations.

Administrative functionalities allow users to **assign parcels** for surveying, considering either spatial (geographical) or administrative criteria, and to easily track which areas have been surveyed and which are still pending.