



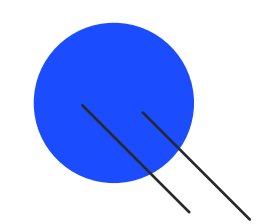
>>> ABOUT US

Quantum is a global technology partner delivering custom data analytics solutions for drone manufacturers and operators, as well as providing UAV operations simulation and optical navigation solutions.

We utilize our Geoanalytics platform, a simple, versatile platform with an intuitive interface to plan and control drone operations and execute multi-stage missions.

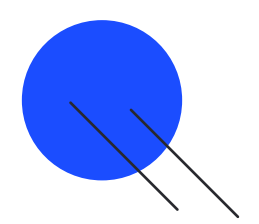
>>> OPTICAL NAVIGATION

The solution routes UAV back to its home point based on visual information without GPS and connection to the operator.



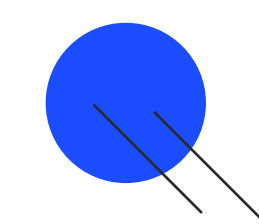
LANDSCAPE ADAPTIVITY

(fields, forest, urban)



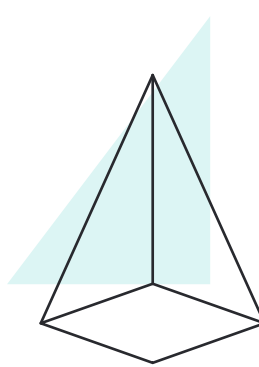
RETURN TO HOME

accuracy <10m



AUTOMATIC ROUTE SAVING

>>> UAV MISSION PLANNING WITH GEOAP



ROUTE PLANNING

Load the route from other applications

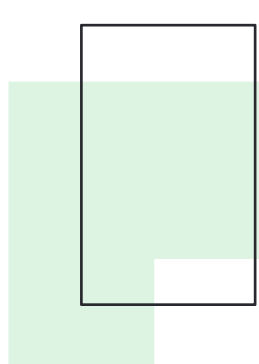
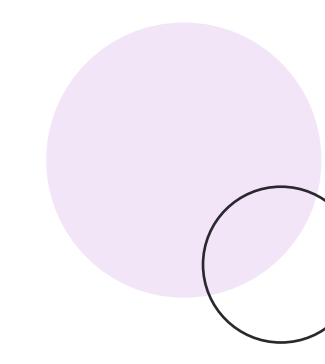


IMAGE DOWNLOADER

Automated download of required satellite data



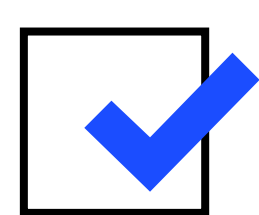
NAVIGATION SETUP

Final preparation of the navigation algorithm



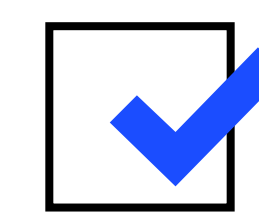
TECHNICAL CHARACTERISTICS

- UAV speed < 60 km/h
- UAV flight height 100-400 m
- Angles < 30 degrees
- Hardware: Raspberry PI, camera 2MP



EASY INTEGRATION WITH UAV

- Ready-to-use hardware with preinstalled software
- Installation into internal box for Raspberry PI or in external box
- Integration with px4 control system



PROFESSIONAL SERVICES

- Integration with other UAV control systems
- Development of specific features for objects detection, missions' automation, etc.

CONTACT US ↗

OUR PRESENCE

