

AERIAL DATA FOR PROFESSIONAL MAPPING AND SURVEYING

Problem – Challenge

Recent progress in sensor, battery and motor technology makes a new class of small and affordable aerial robots possible. However, current platforms are limited in a way that they either provide maneuverability (rotorcrafts) or range (fixed wing airplanes), and typically must be operated by humans.

Solution

Thanks to its unique design, the WingtraOne is as easy to use as an agile multicopter with the long range and speed of a high endurance fixed-wing airplane. Its smart navigation software, WingtraPilot, allows to intuitively plan survey flights. It can be customized with various high-end cameras to capture high-resolution aerial images to generate accurate orthomosaics and 3D models. The WingtraOne is equipped with the best components, giving the user a professional drone that is particularly robust and efficient. The Wingtra principle consists of three steps: 1. Intuitive and easy mission planning with the WingtraPilot (PLAN), 2. Fully autonomous flights: No piloting skills needed / Take off and land vertically everywhere (FLY), 3. High-quality geotagged images right after the flight / Images compatible with any aerial data analysis software (ANALYSE).



PLAN



FLY



ANALYSE