Aerial services

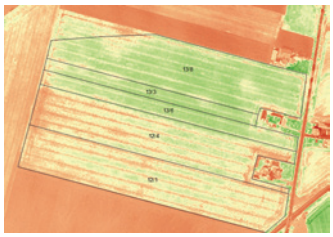
- Small and large-area photogrammetric product studies
- Non-standard aerial photography studies
- Estimations, analyses, detection, inventories
- Aircraft platforms with dedicated sensor sets
- GIS systems

SmallGIS

What we offer?

Standard small and large-area studies

- RGB+NIR orthophoto map with resolution from 1 cm to 25 cm (from data acquisition to data processing) and „True orthophoto map”;
- Digital terrain model / digital surface model / standardized (developed using photos or scanning);
- Aerial laser scanning including raw data acquisition – (we offer very high density aerial laser scanning - up to several dozen points/m2);
- Preparation of scanning-derivative products (classification of data and generation of models for the purpose of forest and environment monitoring, 3D modelling);
- Corridor inventory (using several sensors/scanners simultaneously);
- Delivery of a wide range of satellite, optical and radar images from many operators.


Non-standard aerial photography studies

- Estimation of wildlife population size;
- Innovative research projects in cooperation with the scientific community;
- Other customized services provided with the use of various sensor combinations.

Services and analyses

- Estimation of damage and analysis of vegetation condition (forestry, agriculture, environmental protection);
- Real-time monitoring and support in disaster situations (floods, fires, wind damage, etc.);
- Estimation of biomass amount (using LIDAR data and radar data);
- Broadly defined environmental inventories (for example, greenery inventory using aerial data or UAV data);
- Change detection;
- Other customized services.

Aircraft platforms

We offer **integrated SkyFoton and SkyLaser** manned aircraft **platforms**. These are comprehensive products based on specialized equipment including an aircraft with sensors, the software and the methodology that gives the possibility of independent use by the customer.

The platforms can be used for very specific applications, such as counting wildlife or real-time monitoring of rescue operations, i.e. fires, floods, or for more universal and standard tasks.

GIS systems

We offer software-related consulting services and we develop or provide dedicated systems of any complexity in the Software as a Service (SAAS) formula. Each system can be both a remote sensing data repository as well as a work-tool that the customer can use daily for making complex analyses.

We are business and technology partners of ESRI, Oracle, Open Source solution providers and several other world-renowned software technology leaders.

We can meet various requirements of our customers because we have a wide range of sensors including a modern aerial laser scanner, photogrammetric-multispectral cameras, thermal cameras and other sensors mounted on two ultralight aircrafts that can perform their tasks simultaneously. We offer high-quality, cost-optimized and highly innovative solutions.

There is a constantly growing demand for up-to-date aerial data on the phenomena occurring on the Earth's surface. Based on many years of experience in remote sensing, SmallGIS sees great development potential in this field and constantly adds new services and products to its offer.

With our two ultralight aircrafts, experienced staff, infrastructure, team of experts in photogrammetry, remote sensing and software development, we have created a comprehensive and wide range of services including IT system design and data acquisition as well as inference and the use of analyses for research and business purposes. We cooperate with world-renowned suppliers of sensors and measuring equipment such as Riegl, PhaseOne and others.

In the course of numerous research, R&D and commercial projects, we have developed innovative remote sensing methods including aerial wildlife count method, crop damage estimation method, calculation of damage to forest resources due to biotic and abiotic factors. The technology is offered as a product or service.

SmallGIS

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