



Applications

Drones

Technical specifications

References

Services

Why using drones in forestry and land use

All areas – also places hardly accessible – can be analyzed regularly, as well as cost and time efficient.

Received data can be used for:

- Yield prognosis and value estimation
- Determination of biomass and carbon storage
- Marketing with aerial images and videos

The regular aerial monitoring facilitates a rapid response to impacts and growth data of vegetation allowing to increase productivity.

About ForestFinest Consulting

ForestFinest Consulting is a leading land use consultancy with an experienced team and a wide network of local experts.

We are looking forward to inform you in detail about our services and to provide you with a proposal adjusted to your individual project.

Our services

Design & Feasibility

- Spatial data acquisition
- Topographic surveying
- 3D Elevation modelling (DTM and DSM)
- Identification of potential project areas

Implementation & Operation

- Land cover/land use mapping for change detection and time based comparison
- Precision Agriculture (NDVI analysis)
- Forest inventory / Biomass quantification

Optimization & Certification

- Increasing productivity via vegetation health monitoring (water stress, insects/disease detection)
- Carbon sequestration
- Surveillance: Monitoring of illegal activities
- 360° images and videos for marketing purposes



References

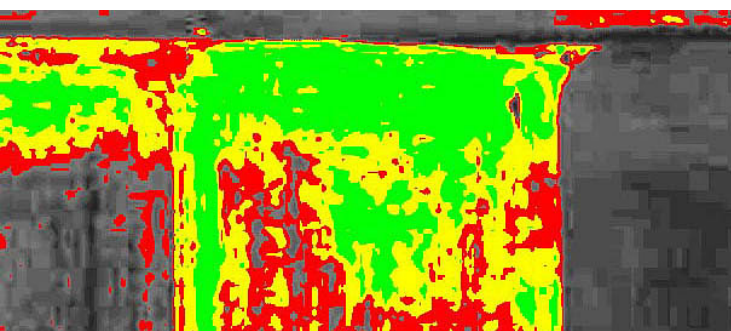
Finca Assesment in Mamoni, Panama

- Provided services:
 - Topographic surveying
 - Classification of vegetation
 - Elaboration of land use maps
 - Forest inventory
 - 3D-Model



Monitoring of an agroforestry project in Central America

- Provided services:
 - Regular NDVI analysis to monitor vegetation health
 - Identification of zones with low productivity



Technical specifications of our quadrocopter

- Customizable and programmable drone
- High-resolution aerial photography: GSD (ground sample distance) with centimeter precision
- Multi-spectral camera (RGB + NIR)

Extention tools

- Thermal camera
- Lidar - Light Detection and Ranging

Applications for drone services

- Forestry
- Agriculture
- Conservation
- Renewable resources
- Energy
- Mining
- Urban planning
- Fire monitoring
- Search and rescue
- Marketing