



YellowScan

Reliable LiDAR for UAV.

USE CASE

Landscaping



UAV USED
IDS iA3 Colibri



SOLUTION
Mapper

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Once you've tested YellowScan systems, you stay with it!

Andrejs Veliks,
CEO, A-Geo

Business need.

The Agricultural University of Latvia wished to map one of the main roads of Latvia. The aim was showing how the view could change as you travel through the country depending on the vegetation around that road.

Solution.

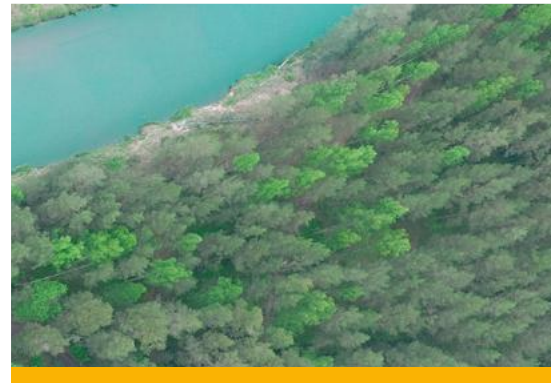
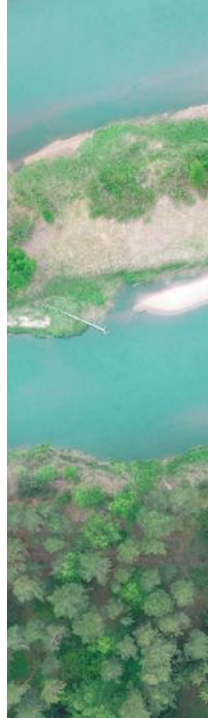
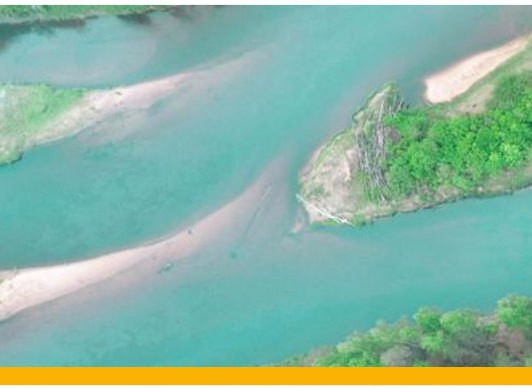
YellowScan lightweight UAV LiDAR solution enable the quick and easy collection of detailed data about topography of the surveyed area, even where dense vegetation lies.

Benefits.

- High density data
- Good GNSS coverage
- Access to difficult areas
- Ground data under vegetation
- Rapid deployment
- Low human risk



Company: A-Geo
Website: a-geo.lv
Country: Latvia



USE CASE

Results

With a point density of around 50 pts/m² (4.5 pts/ft²) thanks to the YellowScan Mapper's 3 echoes, the flight enabled an overview of a relatively small forested area between a river and the road.

More than just a « Beauty project », the University was able to assess flood risks and data was used for erosion assessment of the nearby river.

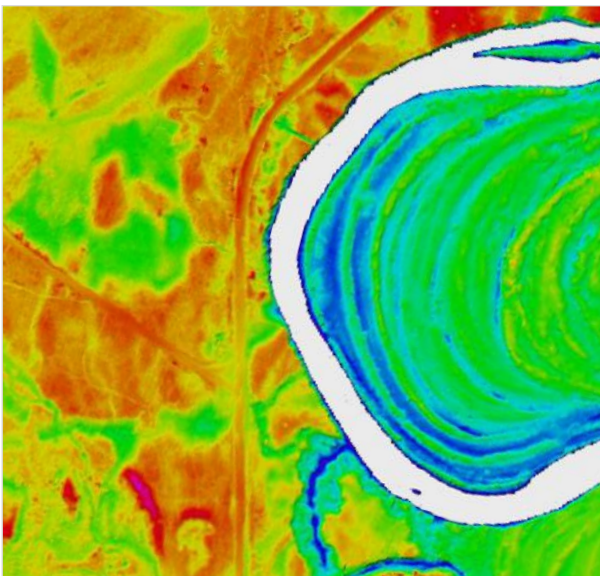
You want to learn more about LiDAR and Landscaping applications ?

Scan this QR CODE



Mission parameters.

- Number of flights : 50
- Survey size : 2 km² (22 millions ft²)
- Duration: 3 hours
- Number of flights: 2
- Flight speed : 5 m/s
- Flight altitude : 50 m



Point cloud of the area



YellowScan Mapper I on IDS iA3 Colibri