



YellowScan

Reliable LiDAR for UAV.

SUCCESS STORY

Power utilities

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Using LiDAR technology has brought EverScan surveying to the next level and provides the best services for our clients with speed and precision. We are the first company in Ukraine to provide LiDAR services at a very high level.

Maxim Sevostianov, Business Developer, EverScan



Company: EverScan
Website: www.everscan.com
Country: Ukraine



UAV USED
DJI M600



SOLUTION
Vx-15

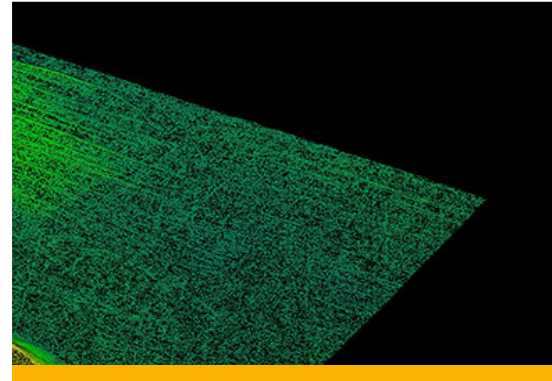
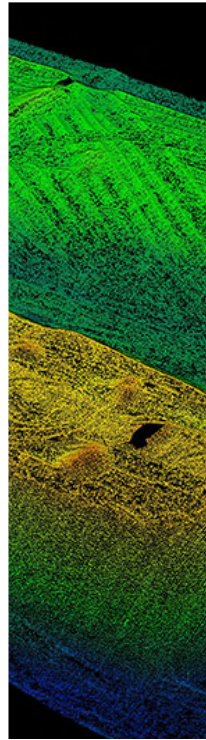
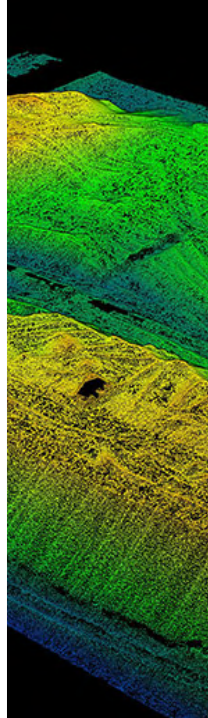
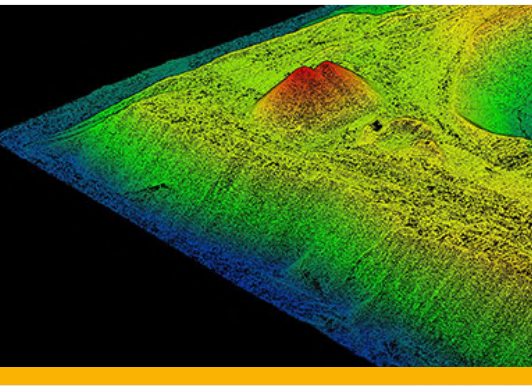
Business need.

We needed to calculate coal stockpile volume in Ladyzhynsky Thermal Power plant with the shortest survey time and the highest quality.

Reporting results had to include data analysis to allow better stockpile management for our customer. We were looking for the right solution as this survey could be done on a regular basis in the future.

Solution.

We've flown our YellowScan Vx-15 LiDAR system around the area with the bulk volumes of coal. We computed the points into the digitalized representation of the area by surveying of the surfaces through the acquisition of points and characteristic lines, modeling of a solid to create a real shape and size and geometry of the solid to structural elements.



SUCCESS STORY

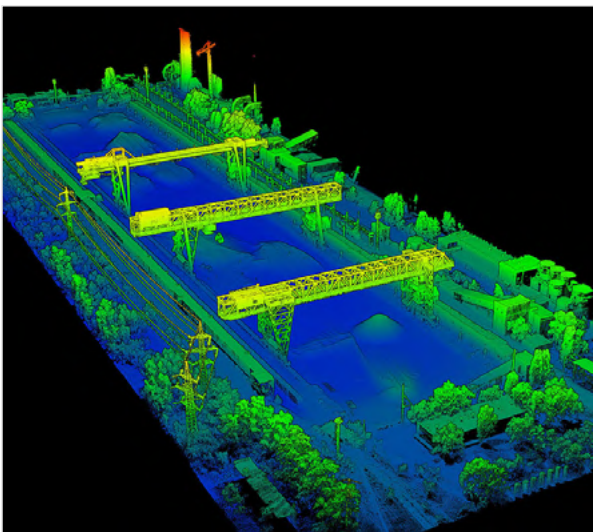
Results

Acquisition.

Precise calculation of coal stockpile volume in 2 flights.

Mission parameters.

- Number of flights: 2
- Survey size: 20 hectares
- Flight speed: 5 m/s
- Flight altitude: 50 m AGL



LiDAR point cloud - Coal stockpile in the Thermal Power plant

Results.

Surface data: 50-200 points/m² - Ground data under canopy 10-30 points/m². Volume, Digital Terrain Models (DTMs), Digital Surface Models (DSMs) Orthophoto mosaics, Topographic Map.

Benefits.

- **Data quality:** Point density and accuracy up to 1cm
- **Speed:** Data Acquisition and Processing
- **Ease of use**
- **Low costs**
- **Safety:** Lower human risks
- **Access** to surveyed area
- **Savings:** millions USD for client



YellowScan Vx-15 on a DJI M600

You want to learn more about this success story ?

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