

STRABAG wastewater treatment plant, Krnjača, Belgrade · 16 ha

control point check point, kept out of processing

Drone BPL

COMPANY PROFILE · 2026

Drone survey, 3D and inspection data

Survey-grade maps, 3D models, inspections and AI data from Belgrade, delivered in your coordinate system and checked on independent points.

2.1 cm
horizontal, on check points

2.0 cm
vertical, on check points

1.87 cm
pixel on the ground

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WHAT WE DELIVER

Measured data, not just pictures.

Orthophoto & survey

Orthophotos, terrain models, contours and volumes, tied to surveyed ground points.

LiDAR & digital twins

Point clouds of the ground under vegetation, scan to BIM and CAD.

Inspections

Wind turbines, solar thermal, power lines, bridges, cranes, roofs and facades.

3D & heritage

Measured 3D models of buildings, fortresses and monuments.

AI & data

Annotated aerial datasets and models trained and tested on measured data.

HOW A PROJECT RUNS

Fly
flight planned for the accuracy you need

→

Position
GNSS RTK/PPK and surveyed ground points

→

Sense
RGB, thermal, LiDAR, echo-sounder

Reconstruct
orthophotos, terrain, point clouds, 3D

→

Check
errors on independent check points

→

Deliver
your formats, your coordinate system

REFERENCES

STRABAG · SDC Professional

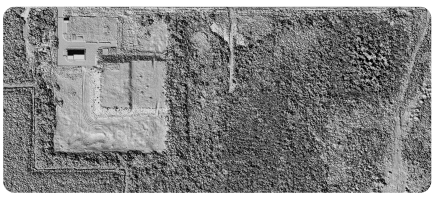
STRABAG wastewater treatment plant in Krnjača: orthophoto, terrain model and contours, 16 ha, flown in winter and in summer.

WHERE WE WORK

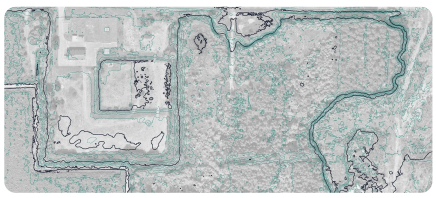
Belgrade and all of Serbia, the region (Republika Srpska, Montenegro, North Macedonia, Hungary, Romania, Bulgaria, Greece) and projects worldwide, on site or as remote processing.



Orthophoto, 1.87 cm



Terrain model, 10 cm grid



Contours for CAD

STANDARDS WE WORK TO

Accuracy	ASPRS 2024: RMSE on independent check points, with every delivery
Data quality	ISO 19157 and ISO 19115: quality checks and metadata
Coordinates	STRS00 (SRB_ETRS89 / UTM 34N), SRB_VRS12 heights, or your project grid
Point clouds	LAS 1.4 and E57, ASPRS classes
Thermography	IEC 62446-3 for solar plants
Flight	EU 2019/947 and Civil Aviation Directorate (DCV) rules
Data protection	GDPR and the Serbian ZZPL
Processing	Pix4D and Agisoft certified

EQUIPMENT

DJI Matrice 4E
RTK mapping drone, mechanical shutter, 20 MP

Radiometric thermal drone
a temperature in every pixel

LiDAR payload
ground under vegetation

GNSS RTK rover and base
control and check points

Echo-sounder boat
rivers, lakes, reservoirs

Zoom and cinema cameras
close-range inspection and film

SOFTWARE

Pix4D (certified) · Agisoft Metashape (certified) · RealityScan · QGIS · GDAL · AutoCAD / Civil 3D · Blender · Python · PyTorch

Drone BPL

COMPANY

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MLADEN MILIĆ PR DRONE BPL

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