3GON
Slovakia

Integrácia bezpilotných technológií a mobilného 3D skenovania pre efektívny zber priestorových dát



Ing. Patrik Podolan
Produktový špecialista 3D


terra solid
3GON

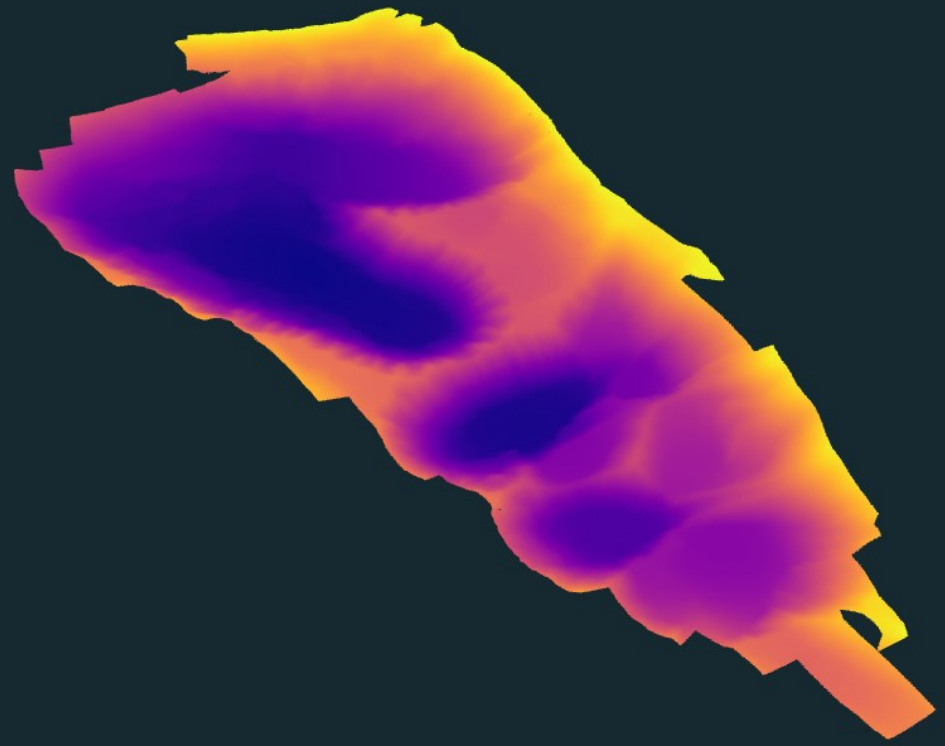
Vstupy

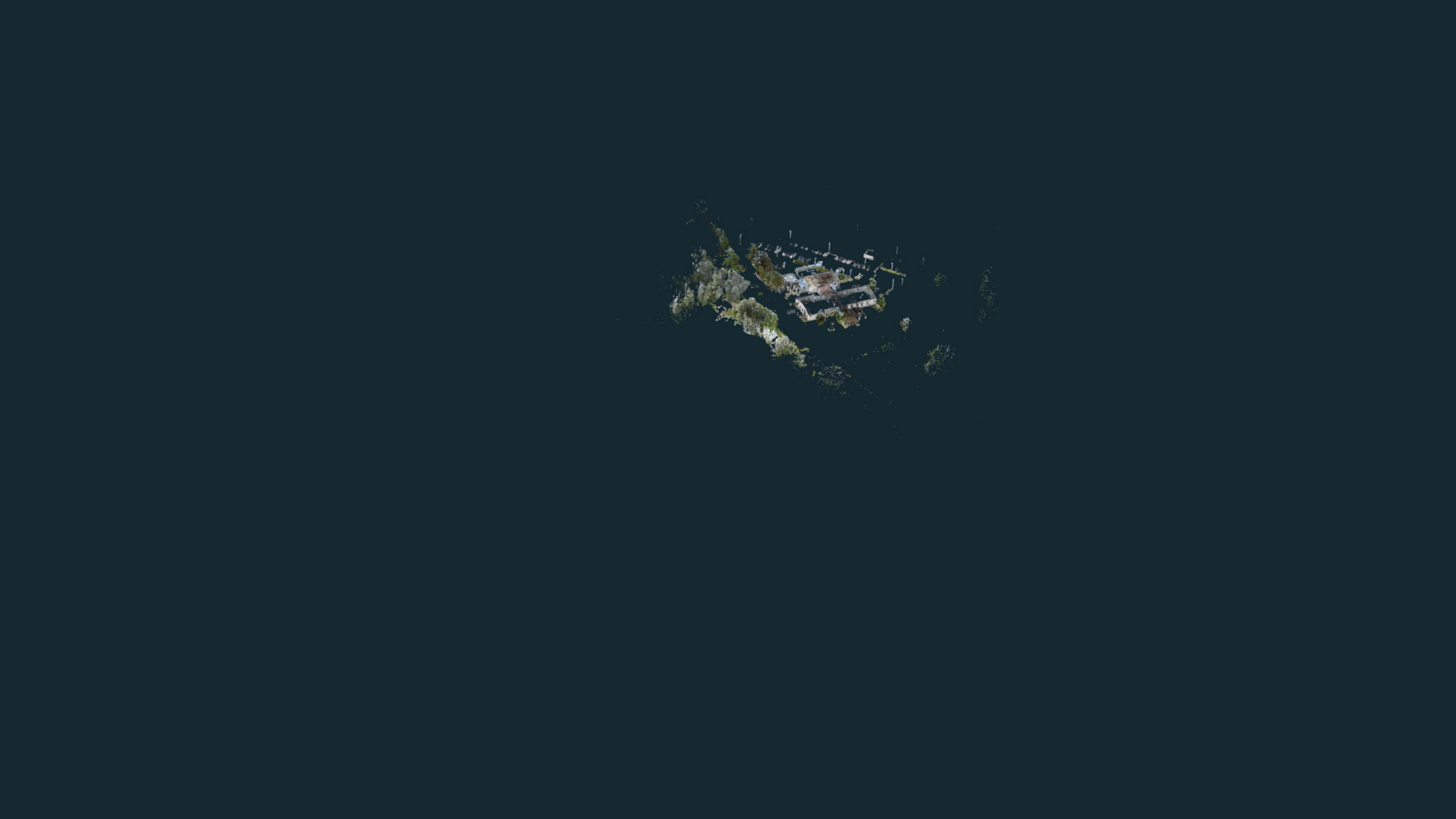


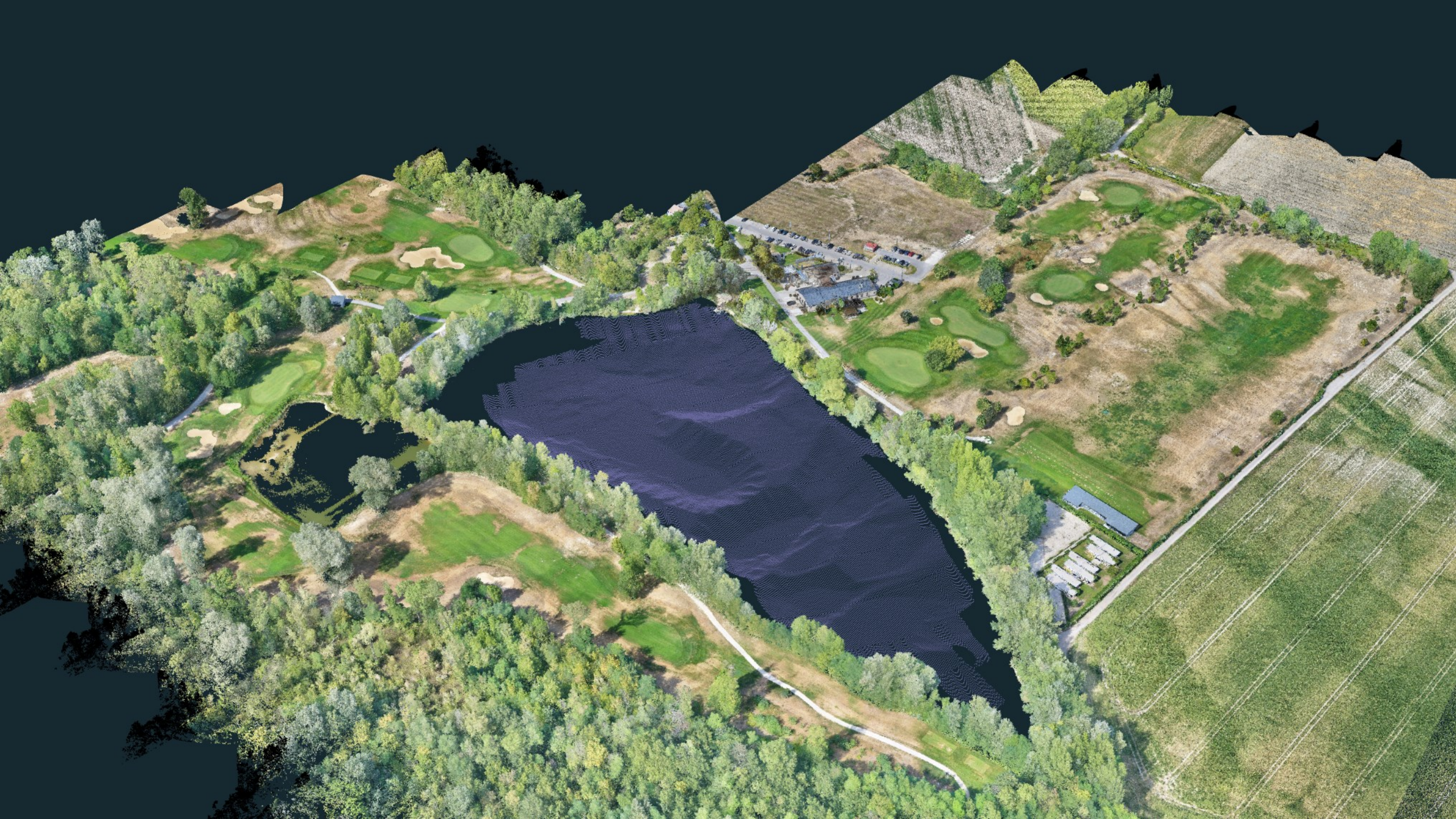














FARO ORBIS PREMIUM

- Skenovanie cca 15 minút
- Interiér + exteriér
- Neboli použité vlícovacie body





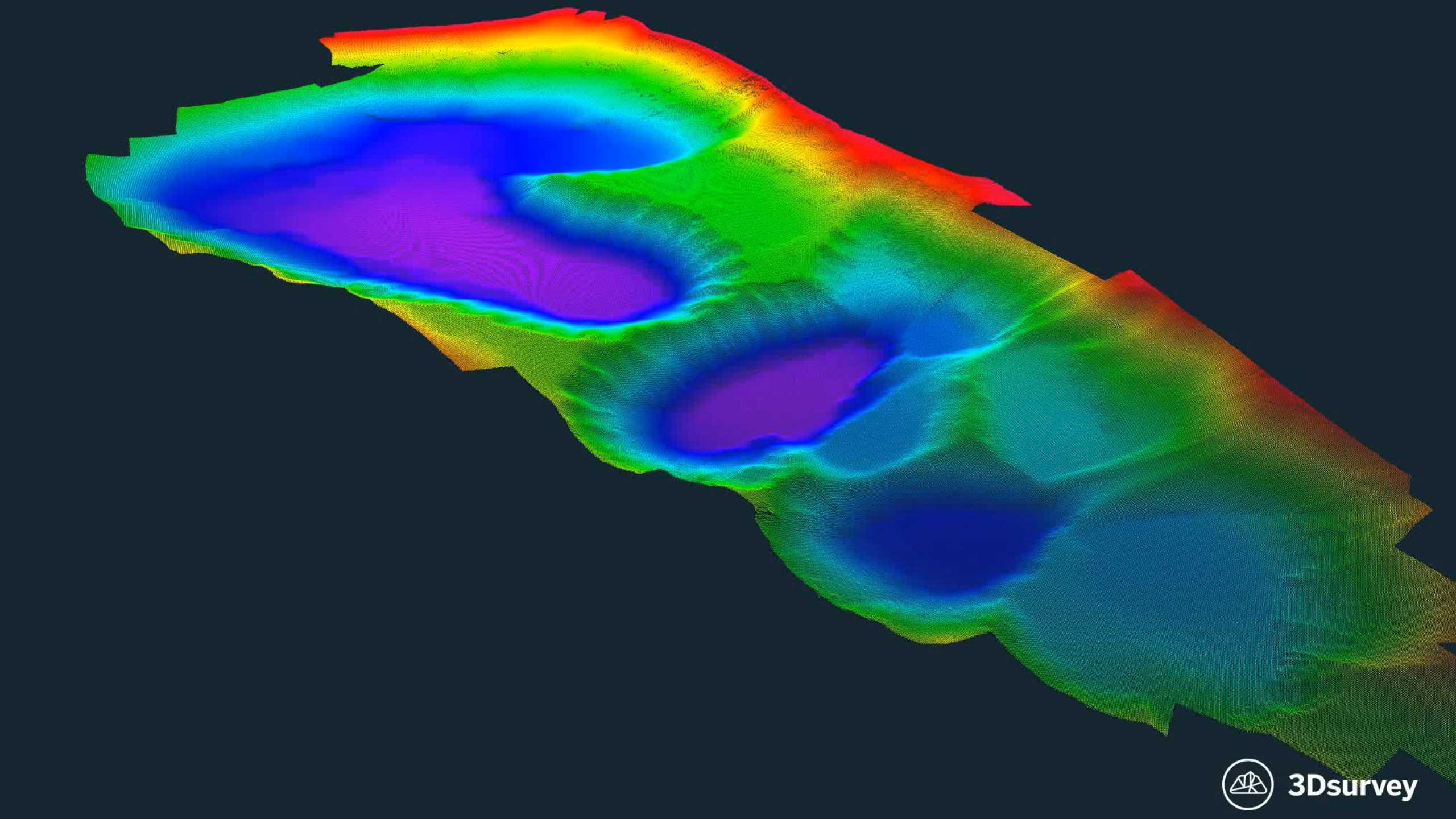




CHCNAV APACHE 4 Multi Beam

- Skenovanie cca 2 hodiny
- Automatická mapovacia misia
- Použité RTK (SKPOS)
- Výstup - mračno bodov


CHCNAV
Connected
Auto
9.42 km
42ms
Northing 77
Easting 608295.1903 m
Depth
5.40 m
Target Dist
68 m
1312.425 m
Target Point
4
2.00 m/s
Number
297
Pitch
7.66°
Roll
-1.44°
A
L1
L2
R1
R2
H


3Dsurvey



DJI Matrice 400 + Zenmuse L3

- Skenovanie cca 40 minút
- Automatická mapovacia misia
- Použité RTK (SKPOS)
- Výstup - mračno bodov

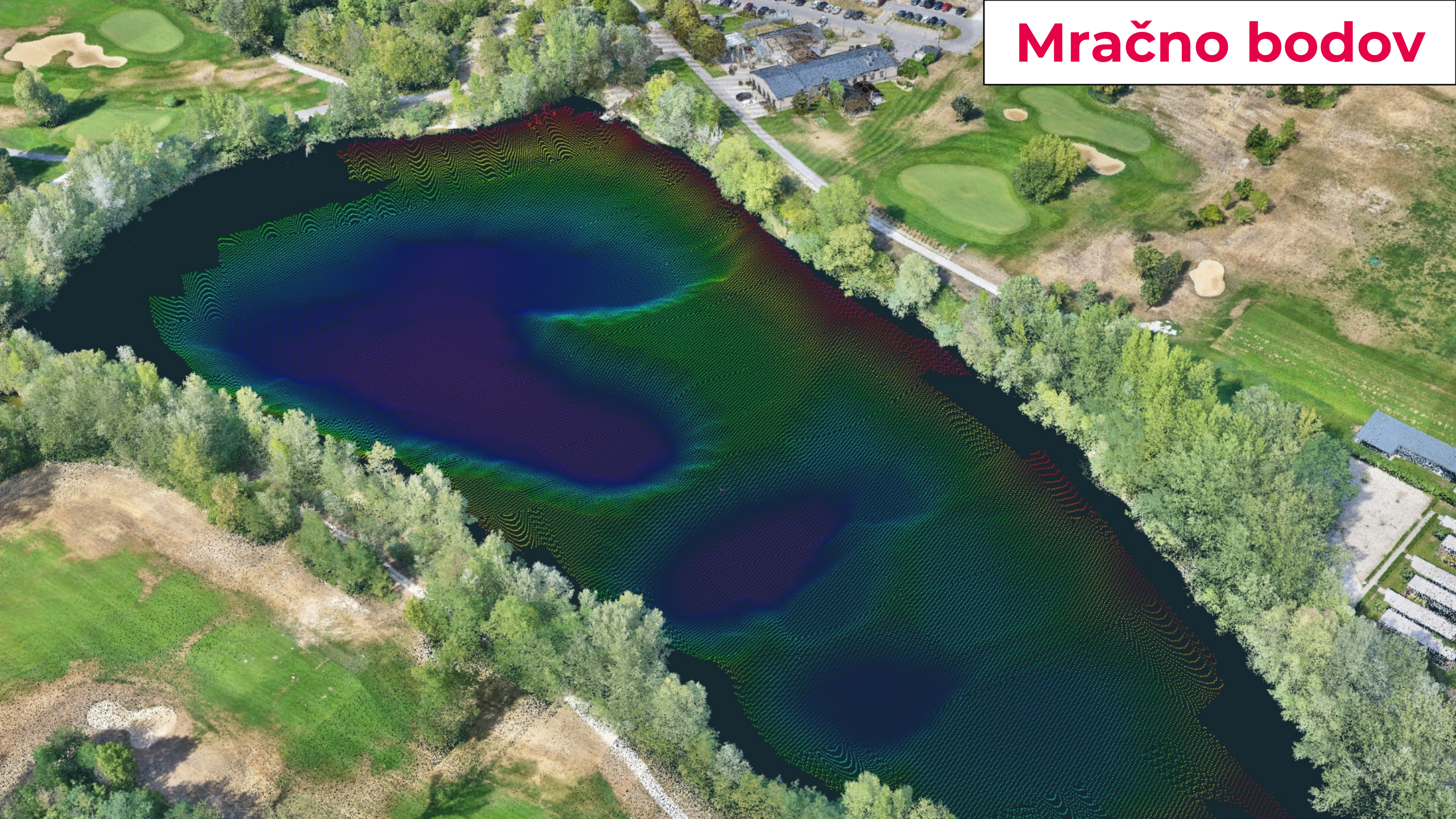

3GON

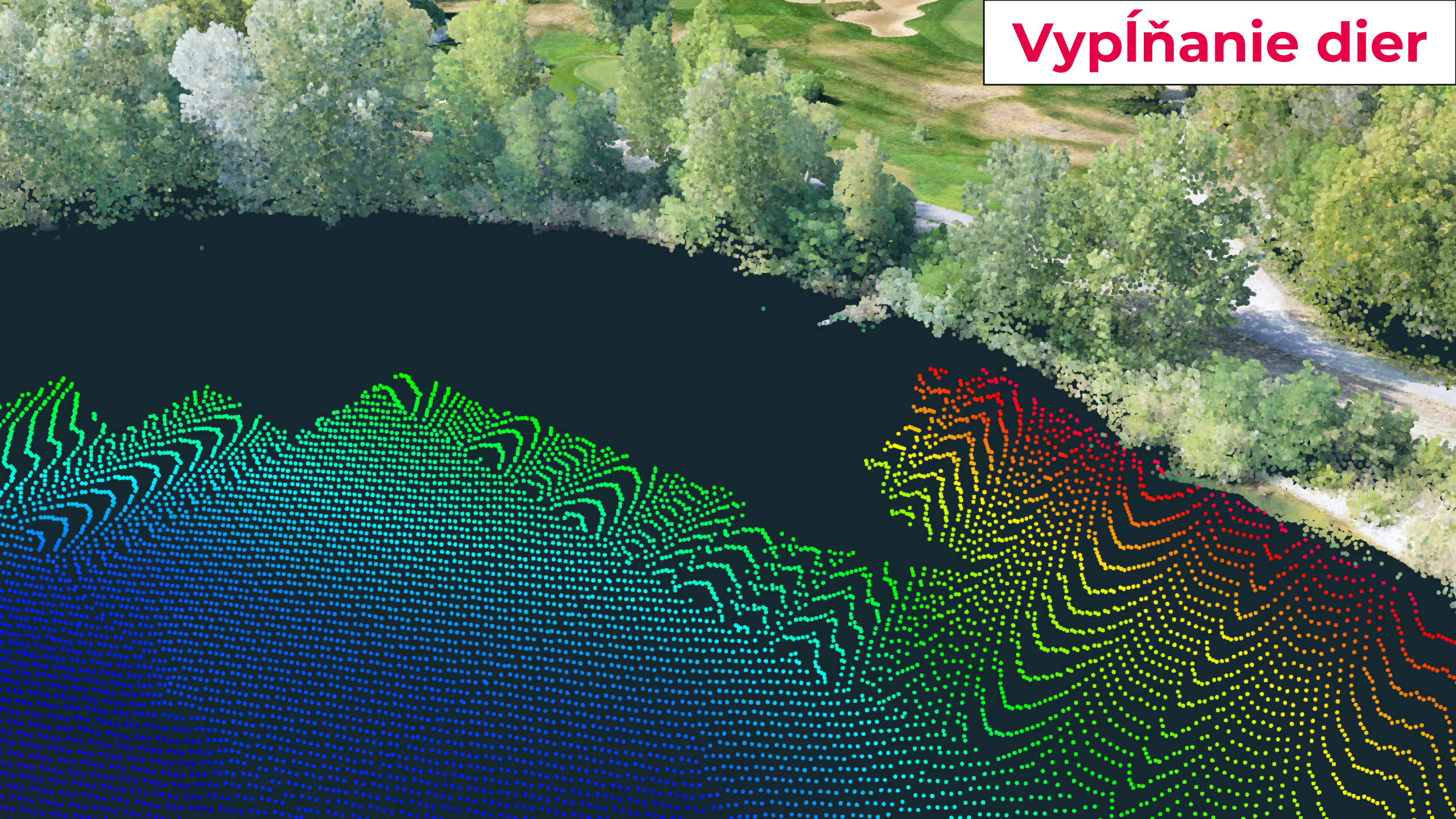

Normal
Executing flight route
RTK
32
RC
30%
45.9V
11:12
Performing task
92%
Routes
RNG
Cruise
L3
92%
Estimated 01:53 left
ALT 79.9m
V.S 0m/s
Photos
Distance 448.8m
H.S 3.1m/s
280 / 316
Lat 48.113796613 N
Lng 17.591164778 E
FPV


Apartmány Sedlo

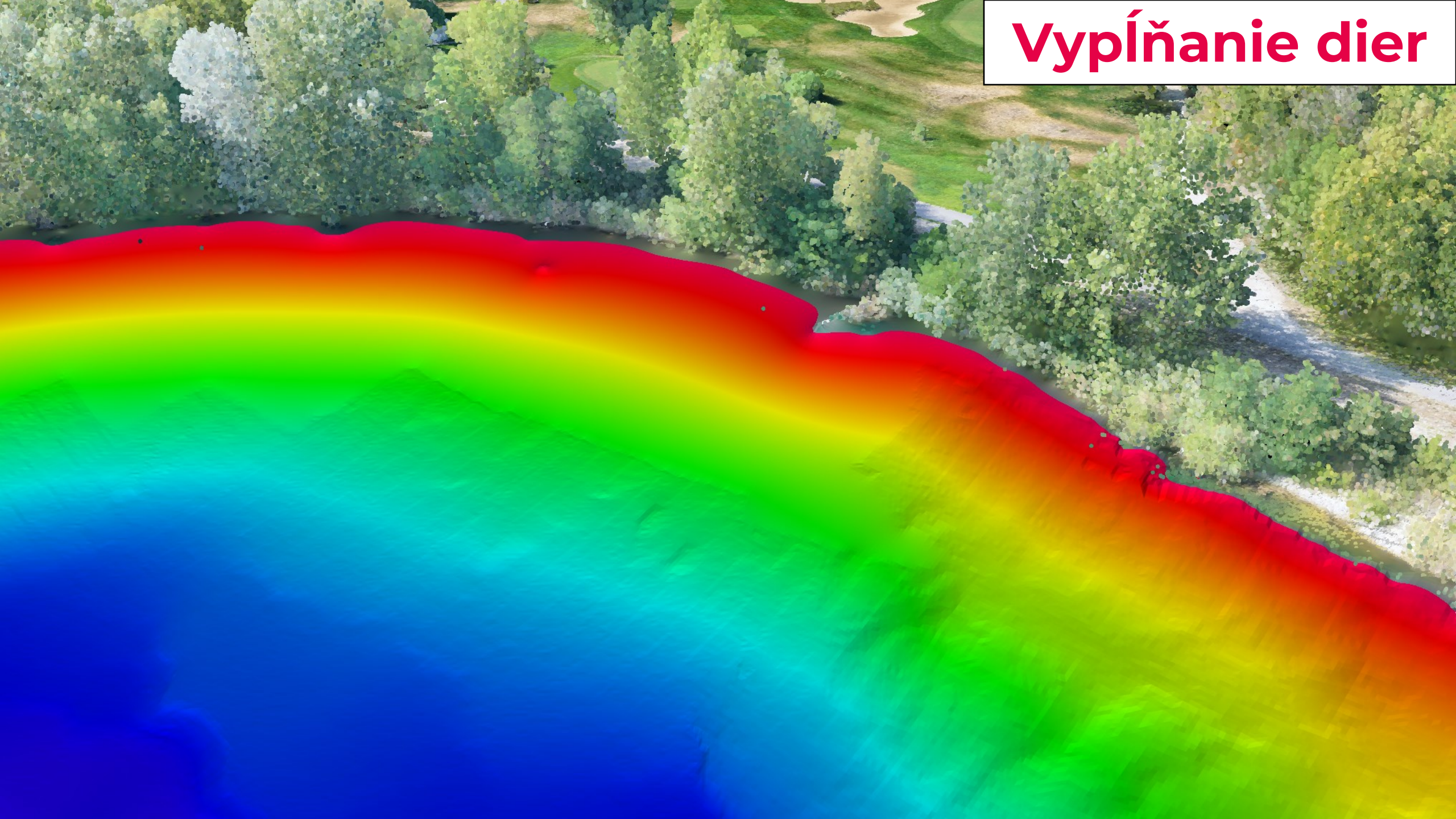
DJI Modify
L3 sedin-pc Updated on 2026-08-17 10:41
Export Outpu
Content
PointCloud_0 (1)
cloud0
ASPRS Class
Custom Class 66 (0)
Custom Class 65 (0)
Custom Class 64 (0)
Vehicle (331 467)
Dynamic Object (85 350)
Electric Tower (37 641)
Never Classified (0)
Unclassified (0)
Ground (208 042 792)
Low Vegetation (0)
Medium Vegetation (0)
High Vegetation (126 007 126)
Building (2 052 587)
Low Point (Noise) (0)
Model Key-Point (Mass Po... (0)
Water (0)
Rail (0)
Road Surface (0)
Terrain Result
Grid of Points
TIN
Contour

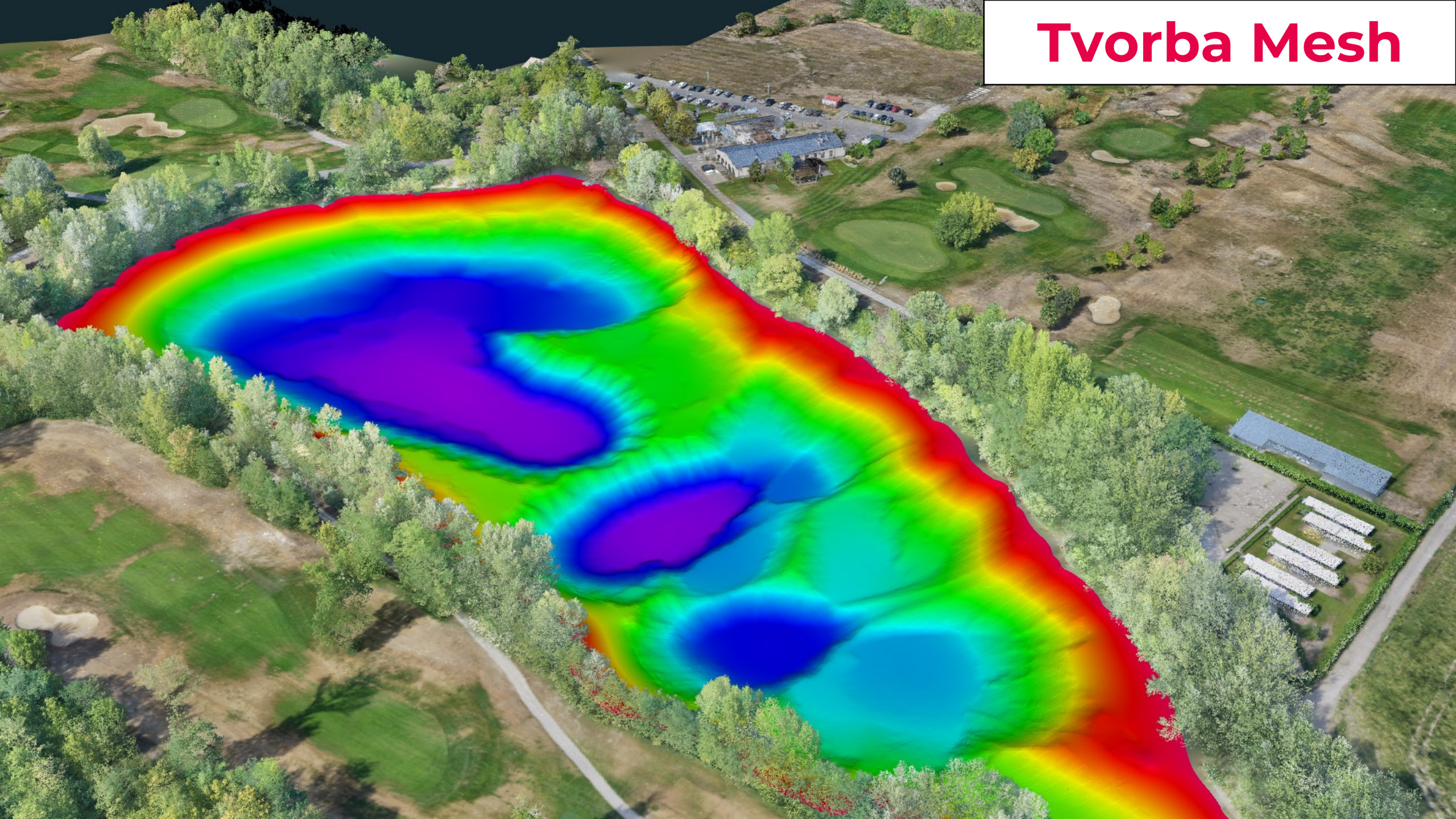

3Dsurvey

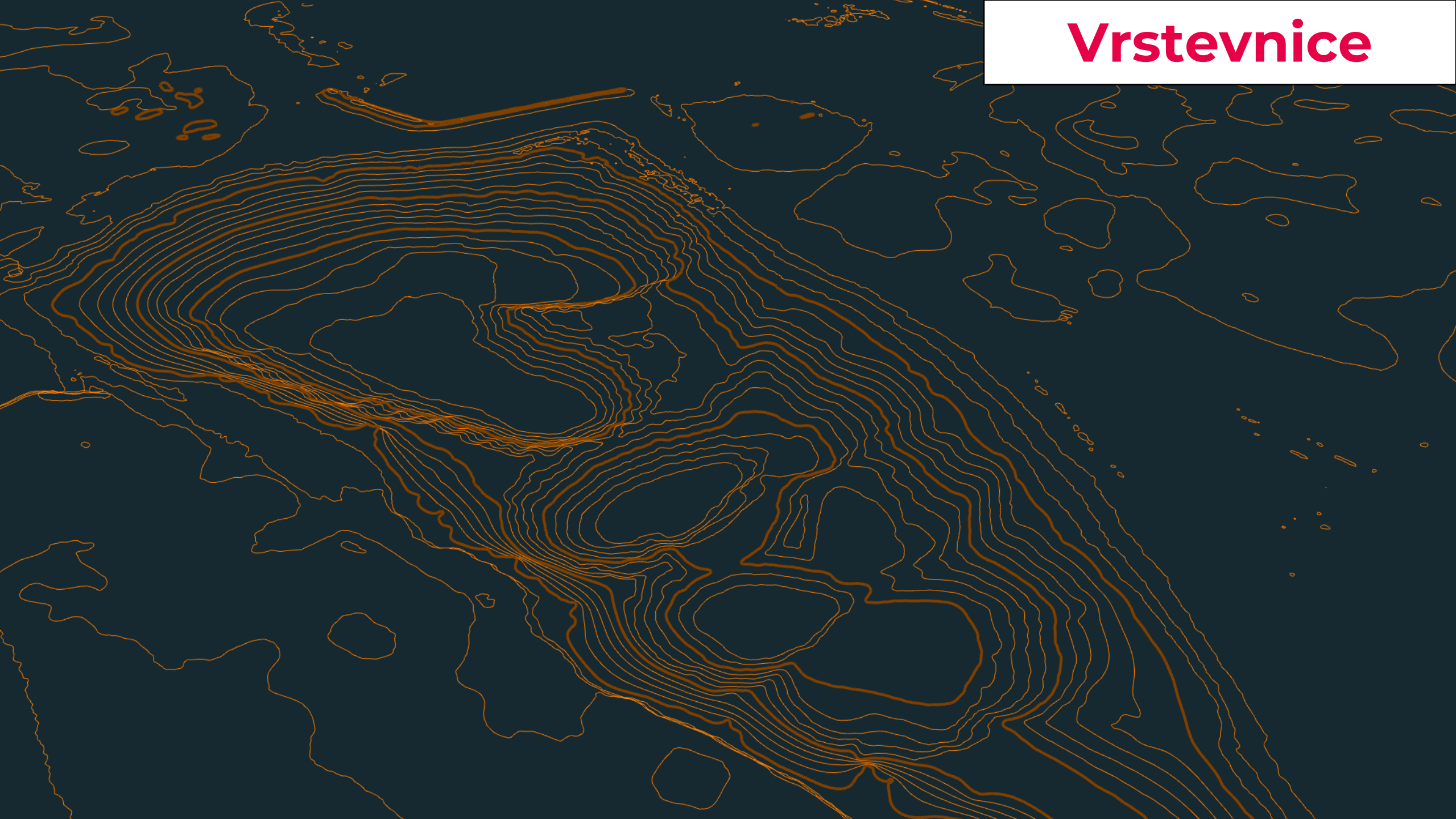

Mračno bodov


Vypĺňanie dier

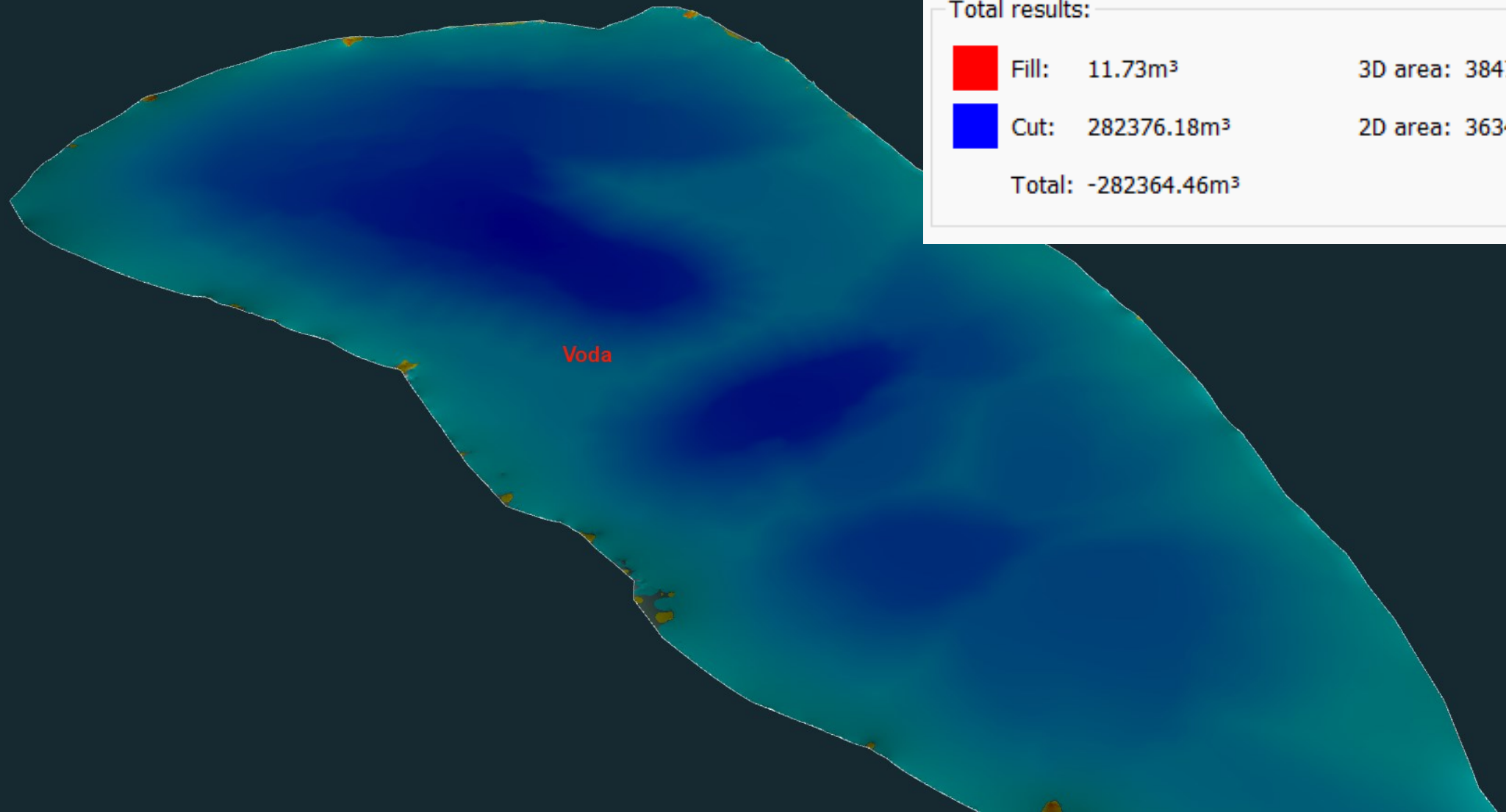
Vypĺňanie dier




Tvorba Mesh


Vrstevnice

Výpočet objemu



Total results:

Fill:	11.73m³	3D area:	38475.45m²
Cut:	282376.18m³	2D area:	36343.26m²
Total:	-282364.46m³		

Spájanie mračien



Spájanie mračien

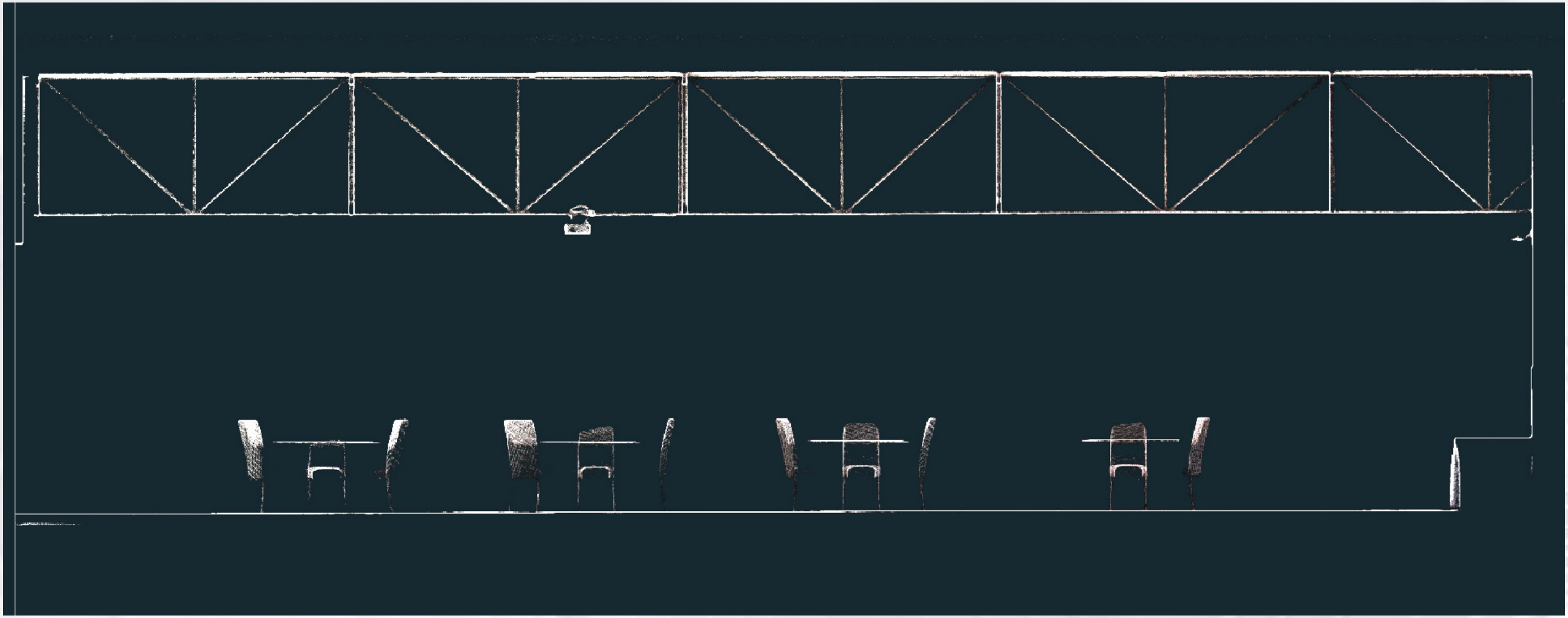


Orezávanie mračna

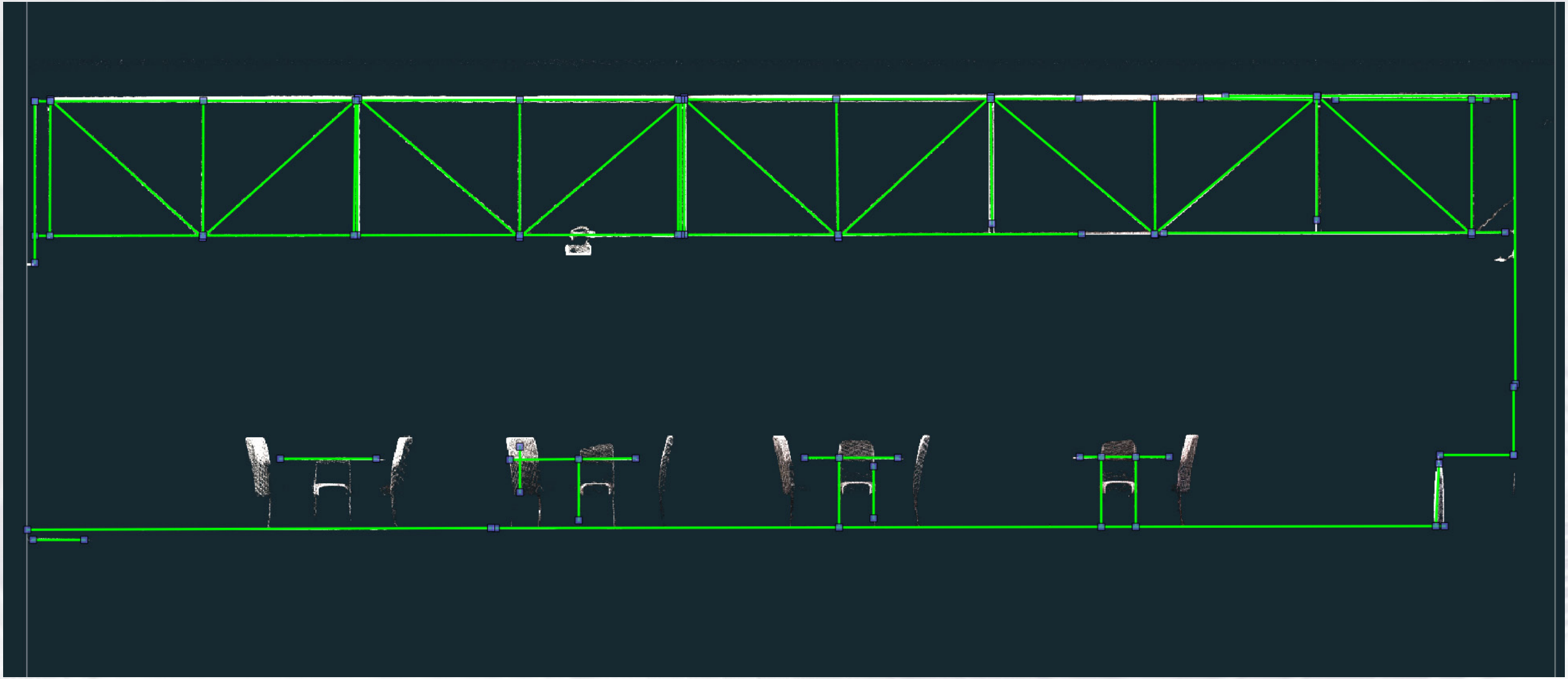



X-RAY view

Priečny rez

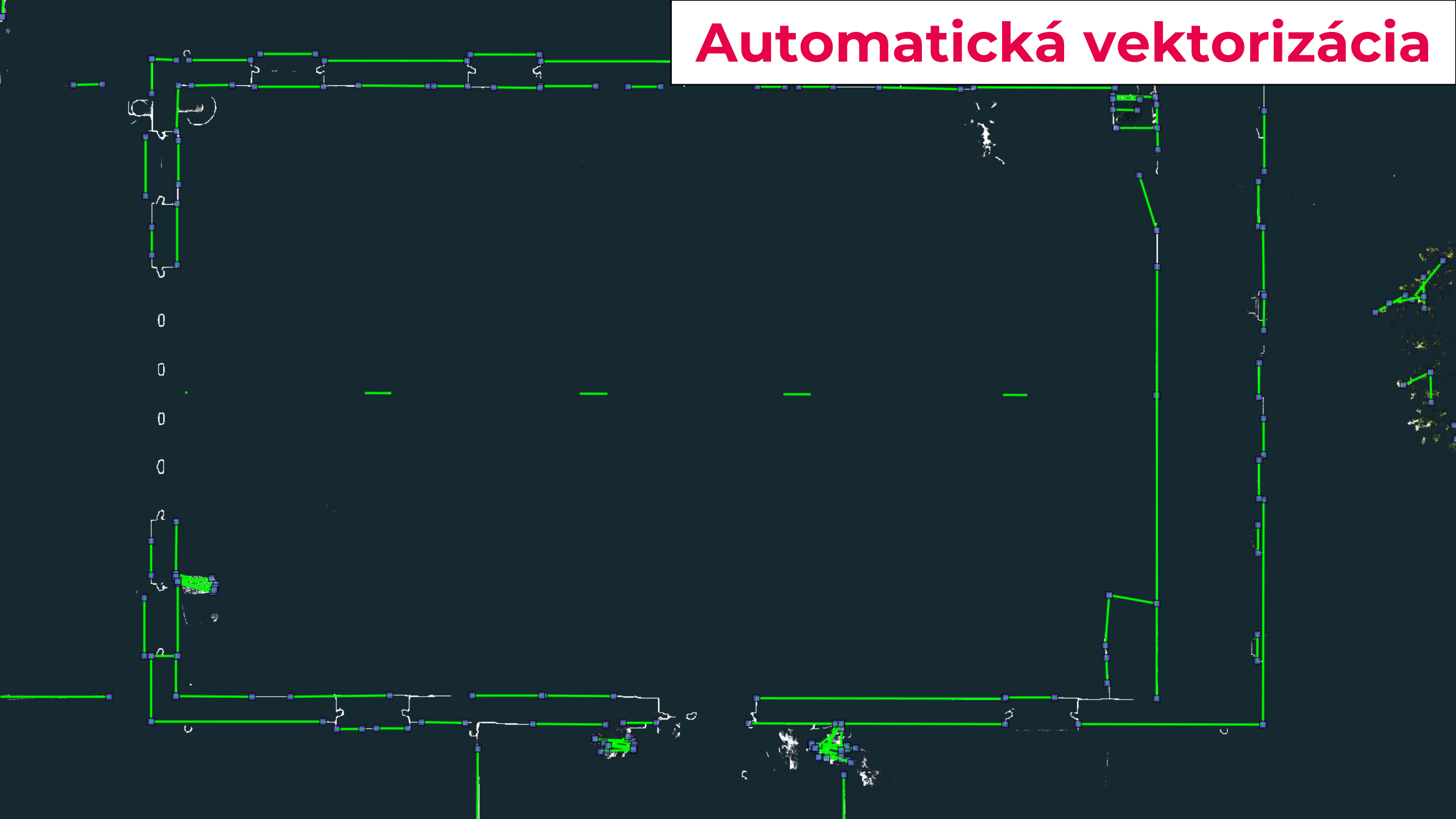


Automatická vektorizácia




Pôdorys

Automatická vektorizácia




SEDIN