



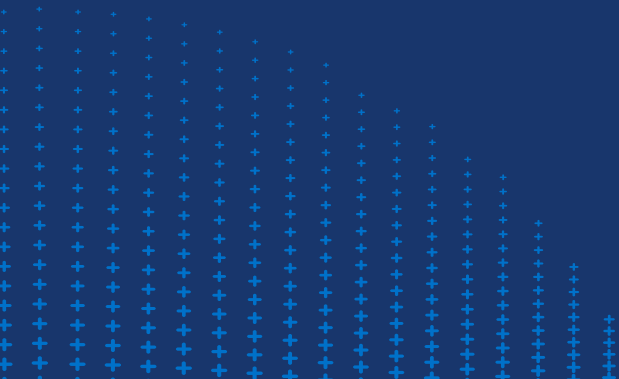
[**CLICK TO KNOW MORE**](#)



**Terra
solid**

POINT CLOUD INTELLIGENCE

LIDAR AND IMAGE PROCESSING SOFTWARE



INDUSTRY STANDARD

POINT CLOUD AND IMAGE PROCESSING



OUR COMMUNITY



103

COUNTRIES

2,800+

CUSTOMERS

20+

MAPPING AGENCIES

50+

REGIONAL AGENCIES

MAIN

CONSULTING FIRMS

8,000+

TERRASCAN

8

INDUSTRY
TOOLSETS

2

PLATFORMS

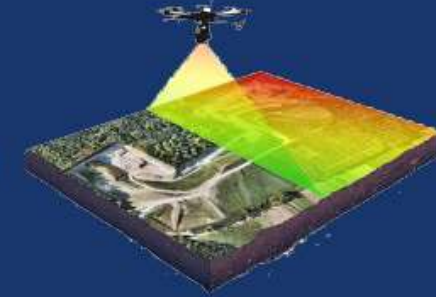
ALL POINT CLOUDS

NO MATTER THE SOURCE
NO MATTER THE SENSOR
NO MATTER THE DATA SIZE



PHOTOGRAMMETRY

Image: Wingtra



LASER SCANNING

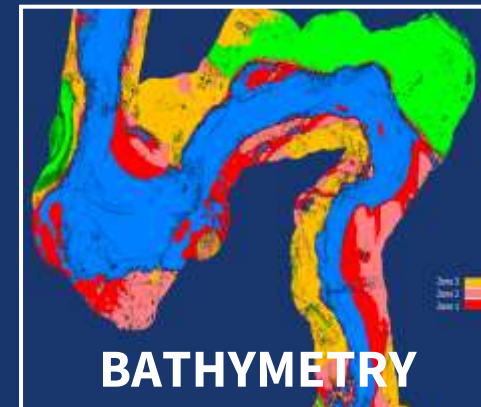
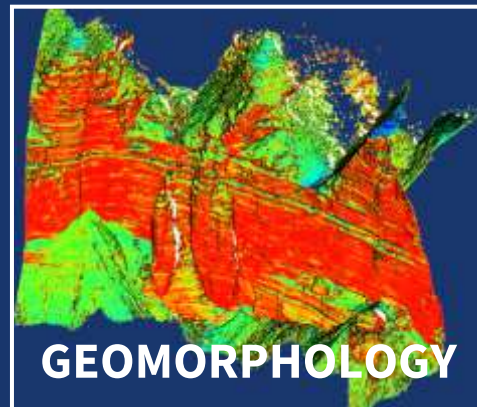
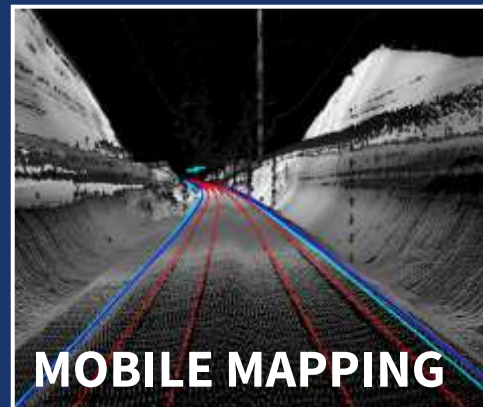
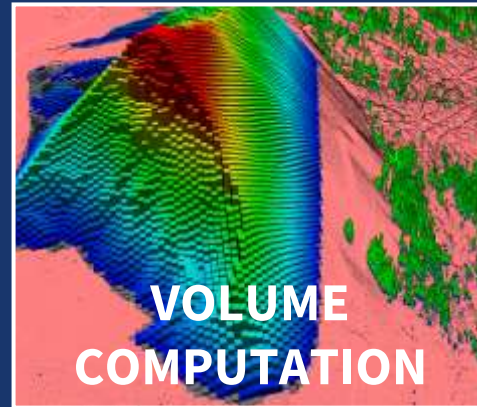
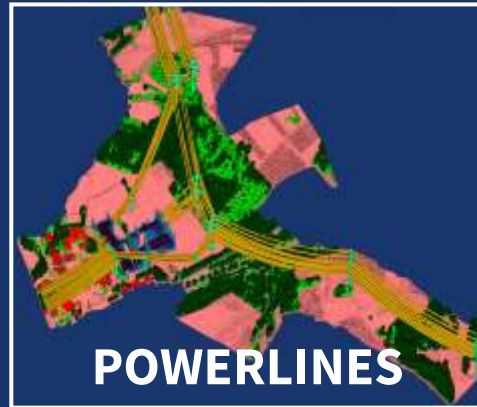
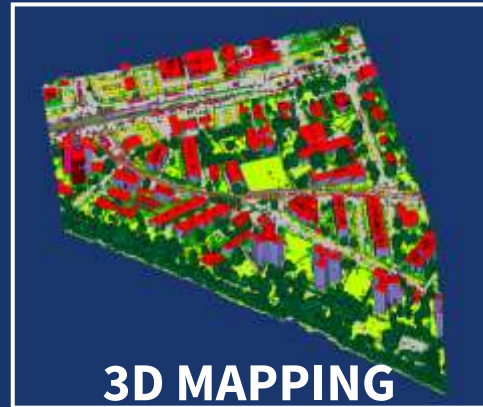


FULL COMPATIBILITY



APPLICATIONS

More Information at Booth 38





UPDATE OF MAPS

Countless New Possibilities

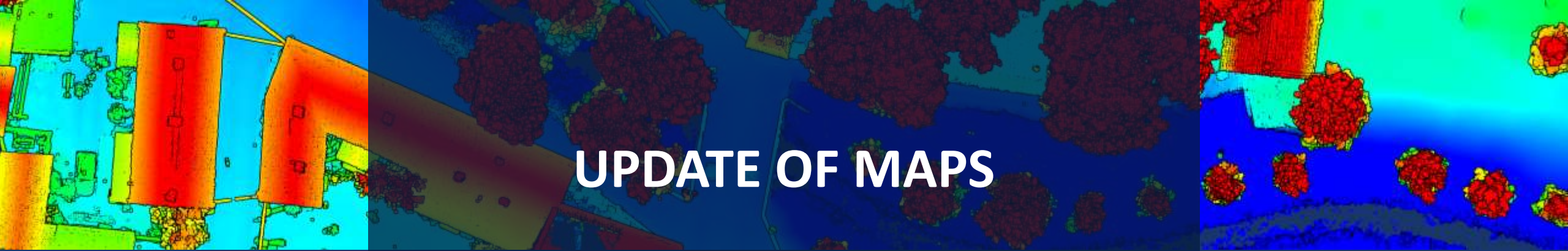
Unmapped Needs Mapping,
Mapped Needs Remapping

Accurate Information Needed

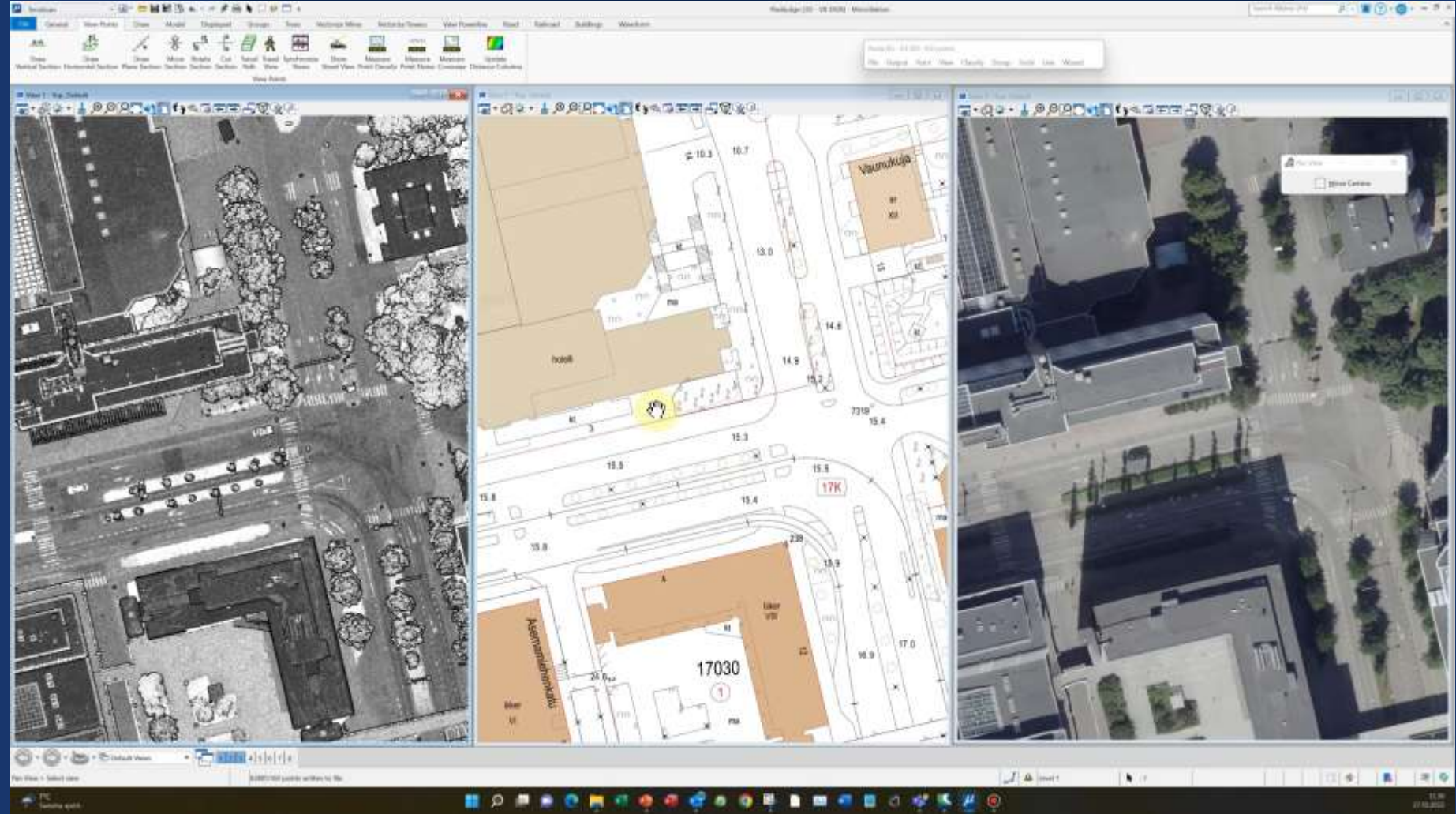
Increased Awareness, Adoption of Technology, Rapid
Urbanization, Natural Catastrophes

Data Fusion

Data Complements Data,
Change Detection



UPDATE OF MAPS



DATA FUSION

CHALLENGES

1

Intensity or Colour Differences

2

Geometric Accuracy Differences

3

Resolution Differences

3

Temporal Differences

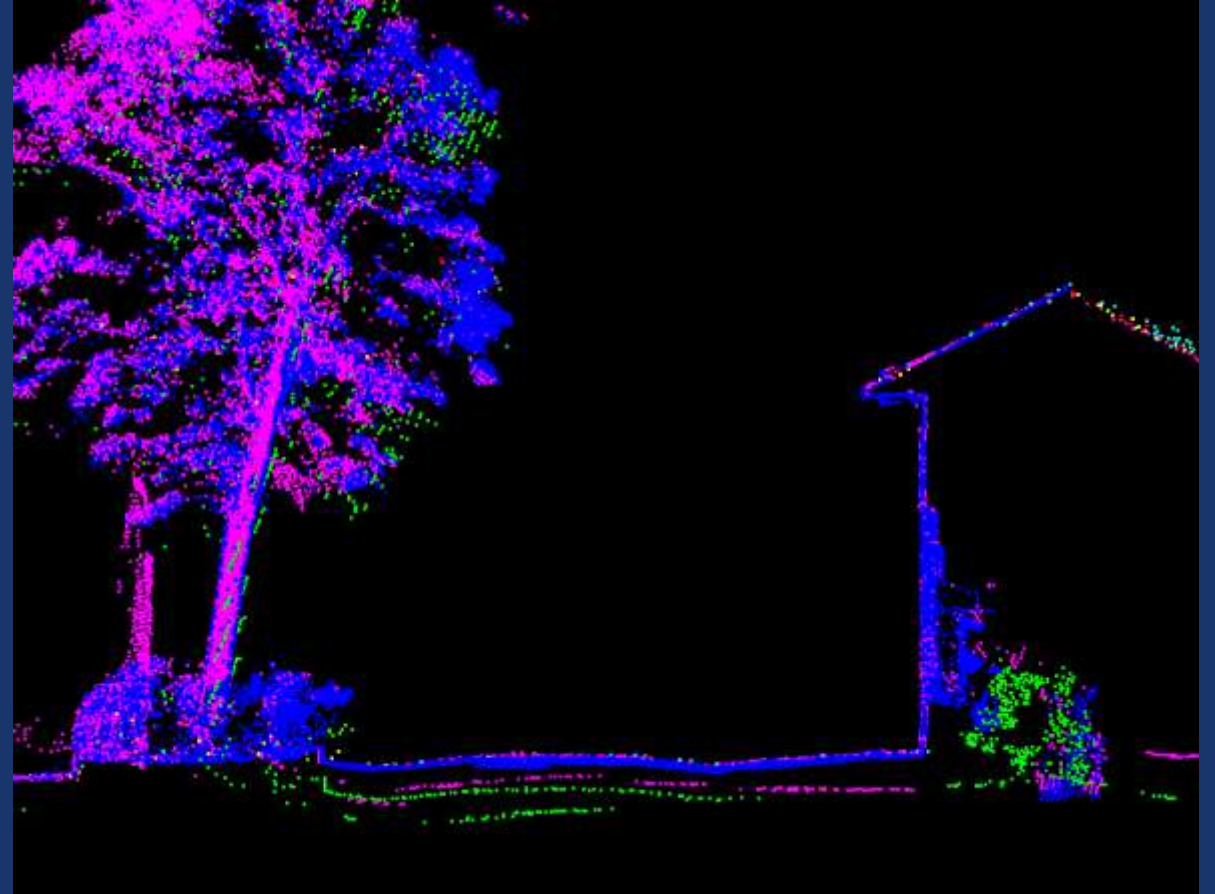
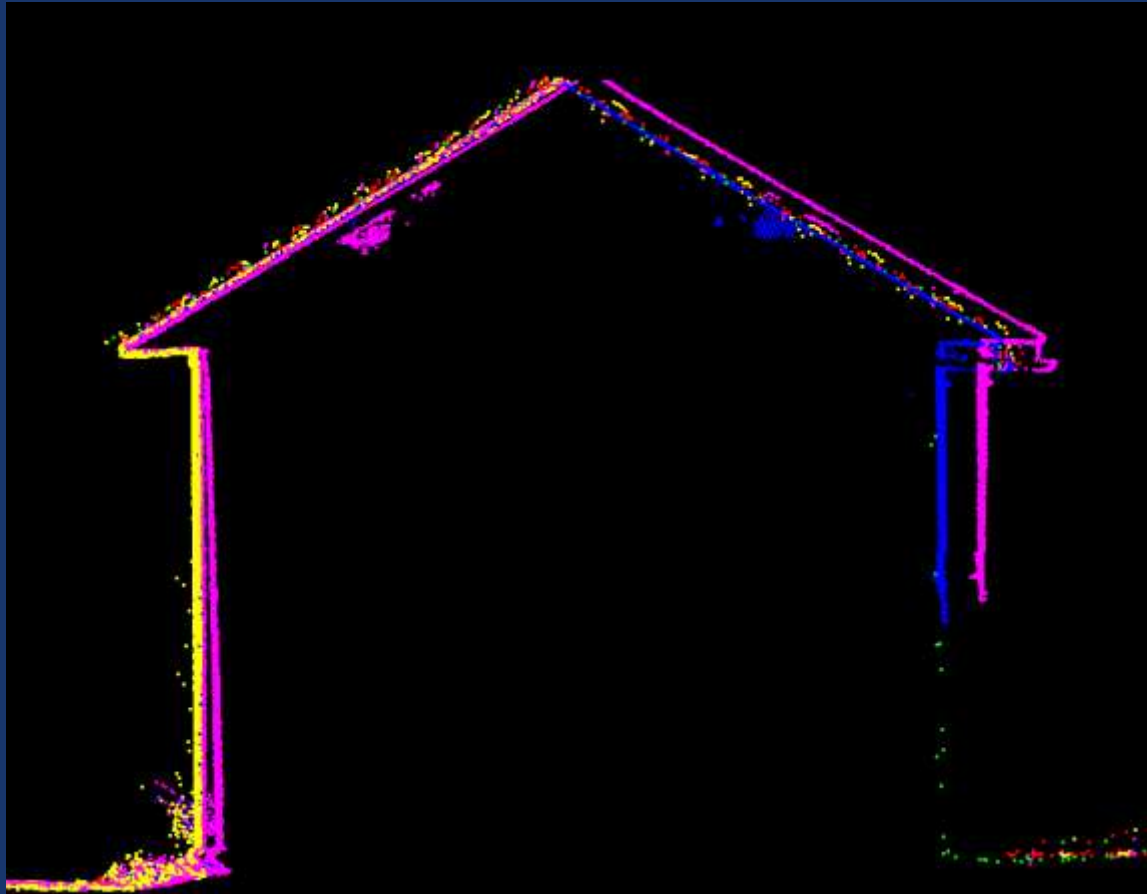
1

Intensity or Colour Differences



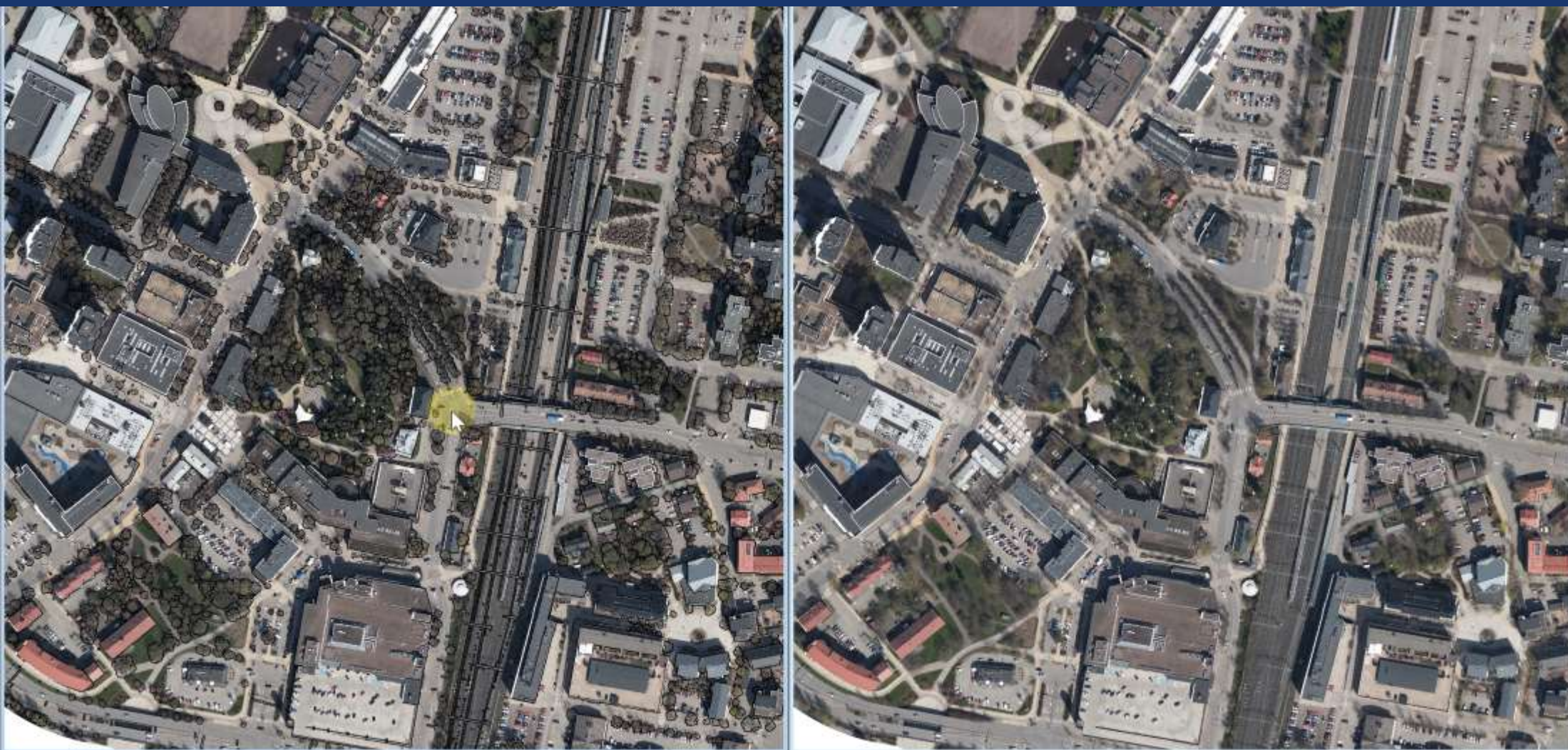
2

Geometric Accuracy Differences



3

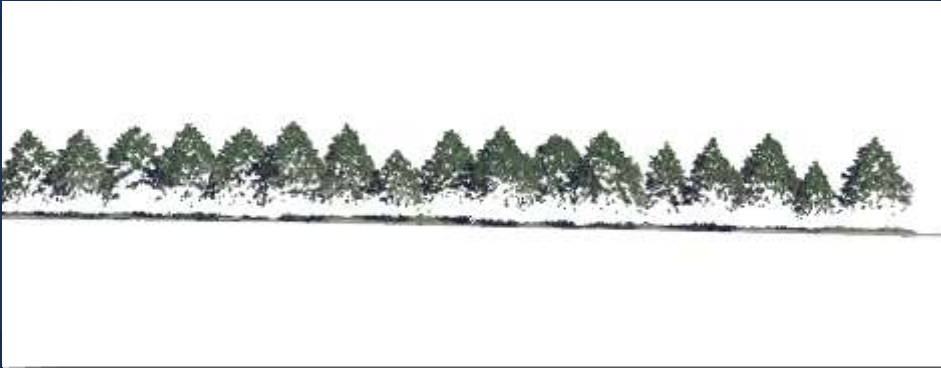
Resolution Differences



4

Temporal Differences

Year 2021

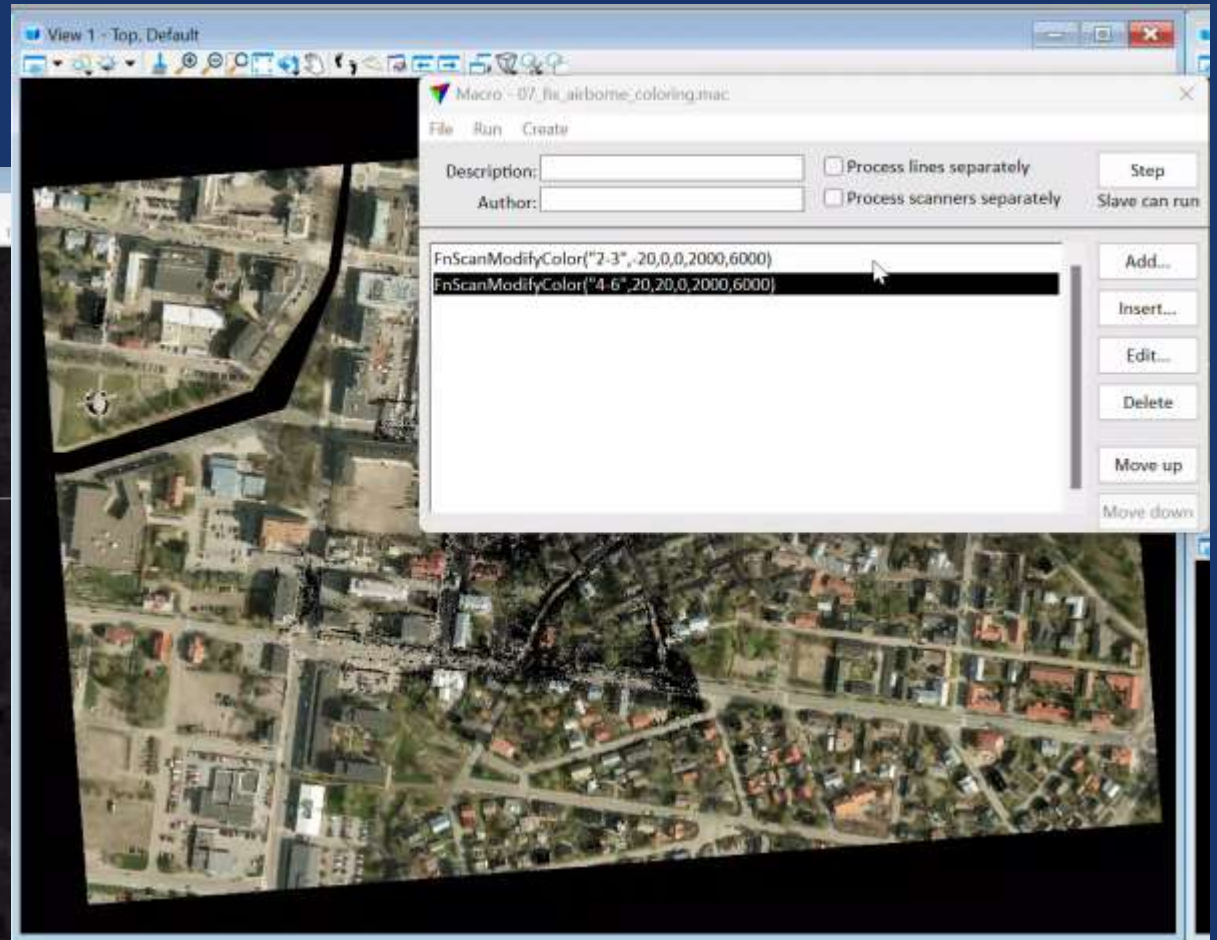


	A	B	C	D	E	F	G	H	I
1	Year	GroupID	PointCount	Avr_East	Avr_North	Grd_Z	Height	CanopyWidth	Width
2	2015	8285	402	25508454.01	6676827.73	8.07	4.63	5.80	5.27
3	2021	12351	1203	25508454.05	6676827.74	8.22	4.97	6.30	5.50
4			801	0.05	0.01	0.15	0.35	0.50	0.23
5									
6	2015	8280	442	25508463.62	6676821.34	8.38	5.77	5.90	5.18
7	2021	12337	2172	25508463.92	6676821.55	8.34	7.64	8.50	7.49
8			1730	0.30	0.21	-0.04	1.87	2.60	2.32
9									
10	2015	8295	468	25508466.05	6676827.90	8.62	4.92	6.30	5.80
11	2021	12335	2365	25508466.32	6676827.99	8.05	7.50	8.80	8.06
12			1897	0.28	0.09	-0.57	2.58	2.50	2.26
13									
14	2015	8290	674	25508466.49	6676809.34	8.20	6.32	7.80	6.76
15	2021	12332	3234	25508466.99	6676809.64	8.42	10.32	10.20	9.15
16			2560	0.50	0.30	0.23	4.00	2.40	2.40
17									
18	2015	7235	544	25508466.94	6676777.64	7.28	6.78	9.40	6.90
19	2021	16094	1628	25508466.83	6676777.76	7.43	7.82	8.70	6.17
20			1084	-0.11	0.13	0.15	1.04	-0.70	-0.73
21									
22	2015	7209	498	25508467.89	6676773.17	7.16	5.53	6.50	4.73
23	2021	16098	1670	25508468.12	6676772.96	7.30	8.98	7.70	5.93
24			1172	0.23	-0.21	0.15	3.45	1.20	1.20
25									
26	2015	8293	728	25508468.94	6676816.47	8.39	6.39	7.80	7.18
27	2021	12328	2952	25508469.25	6676816.63	8.22	7.98	10.60	9.27
28			2224	0.31	0.16	-0.17	1.59	2.80	2.08
29									
30	2015	7219	966	25508469.55	6676797.61	8.05	6.54	8.30	7.62
31	2021	12326	3270	25508469.74	6676797.84	7.92	8.93	10.50	9.54
32			2304	0.19	0.23	-0.13	2.39	2.20	1.92
33									
34	2015	8292	727	25508471.98	6676804.51	8.16	6.16	8.00	7.04
35	2021	12322	2927	25508472.42	6676804.67	7.84	9.91	10.30	8.71
36			2200	0.44	0.16	-0.32	3.75	2.30	1.67
37									
38	2015	7220	128	25508472.38	6676786.18	8.15	3.26	3.50	2.64
39	2021	16106	1183	25508472.27	6676785.88	7.82	6.07	6.30	5.15
40			1055	-0.11	-0.31	-0.33	2.81	2.80	2.51
41									
42	2015	8286	408	25508472.60	6676832.34	8.13	5.54	6.00	4.82
43	2021	12321	1383	25508472.79	6676832.30	8.11	5.70	6.70	5.81
44			975	0.19	-0.04	-0.02	0.16	0.70	0.99
45									
46	2015	7199	659	25508474.90	6676792.45	7.74	6.22	7.30	6.55
47	2021	16110	3141	25508474.88	6676792.77	7.67	8.96	8.90	8.25
48			2482	-0.02	0.32	-0.07	2.74	1.60	1.70

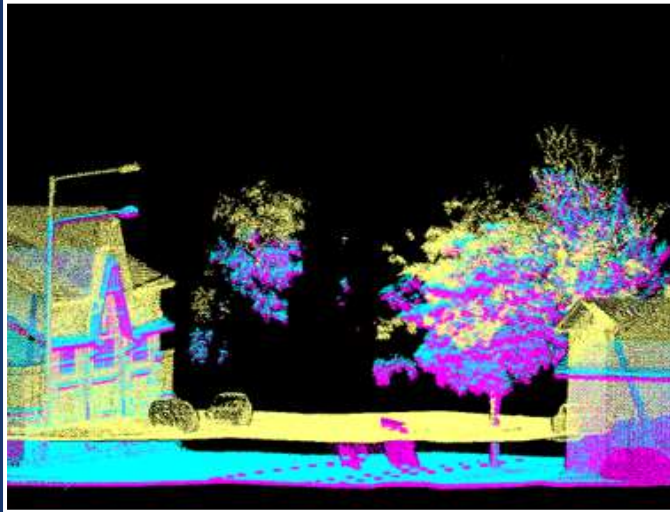


1

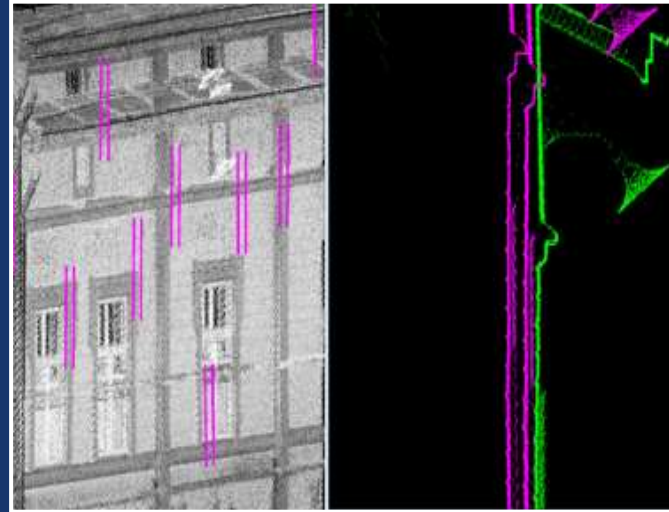
Intensity or Colour Differences



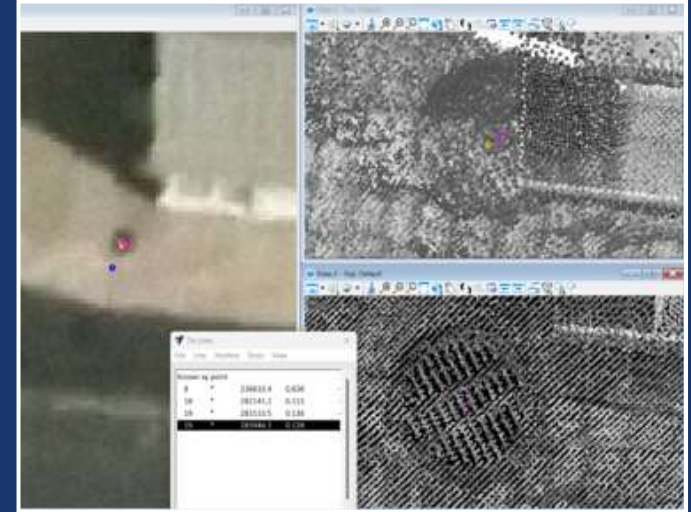
Geometric Accuracy Differences



Z GCP from ALS

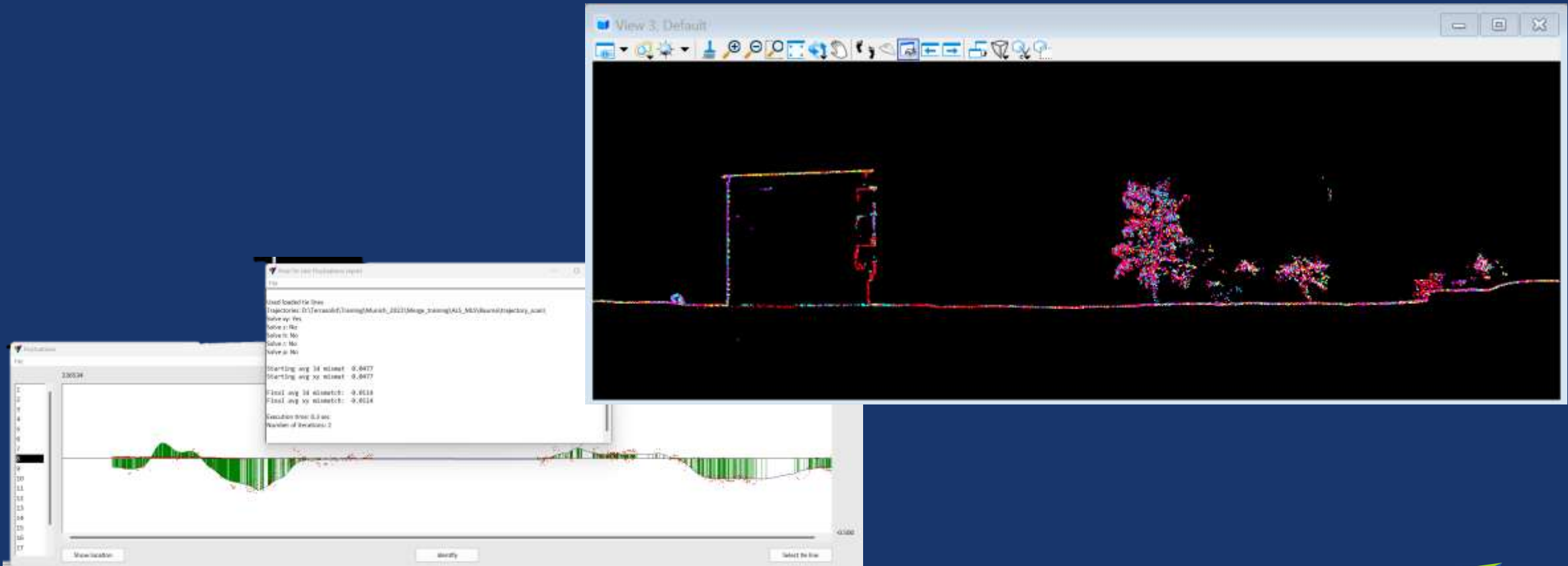


Relative XY in MLS
using walls
and Z using ground

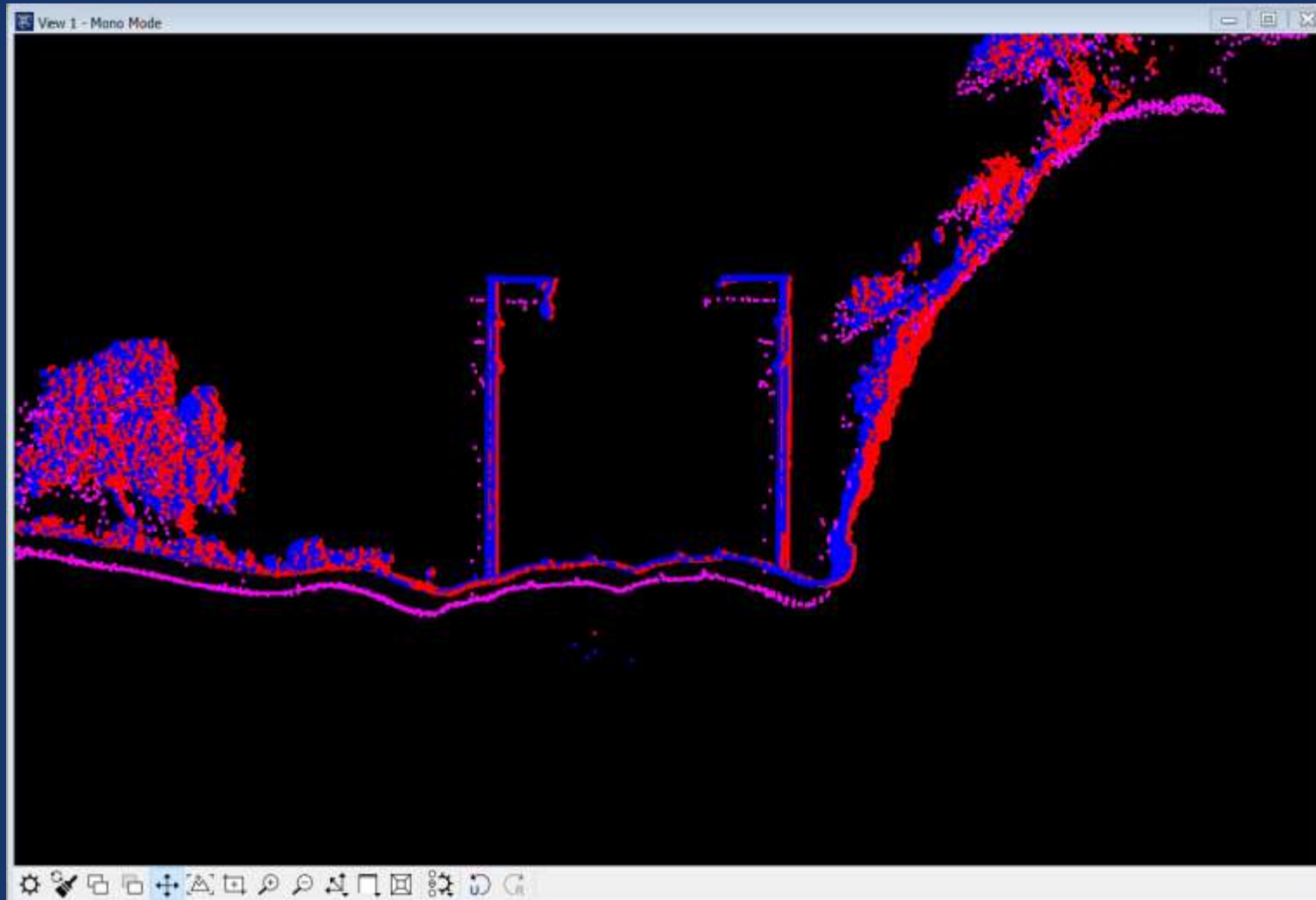


XY GCP from ortho

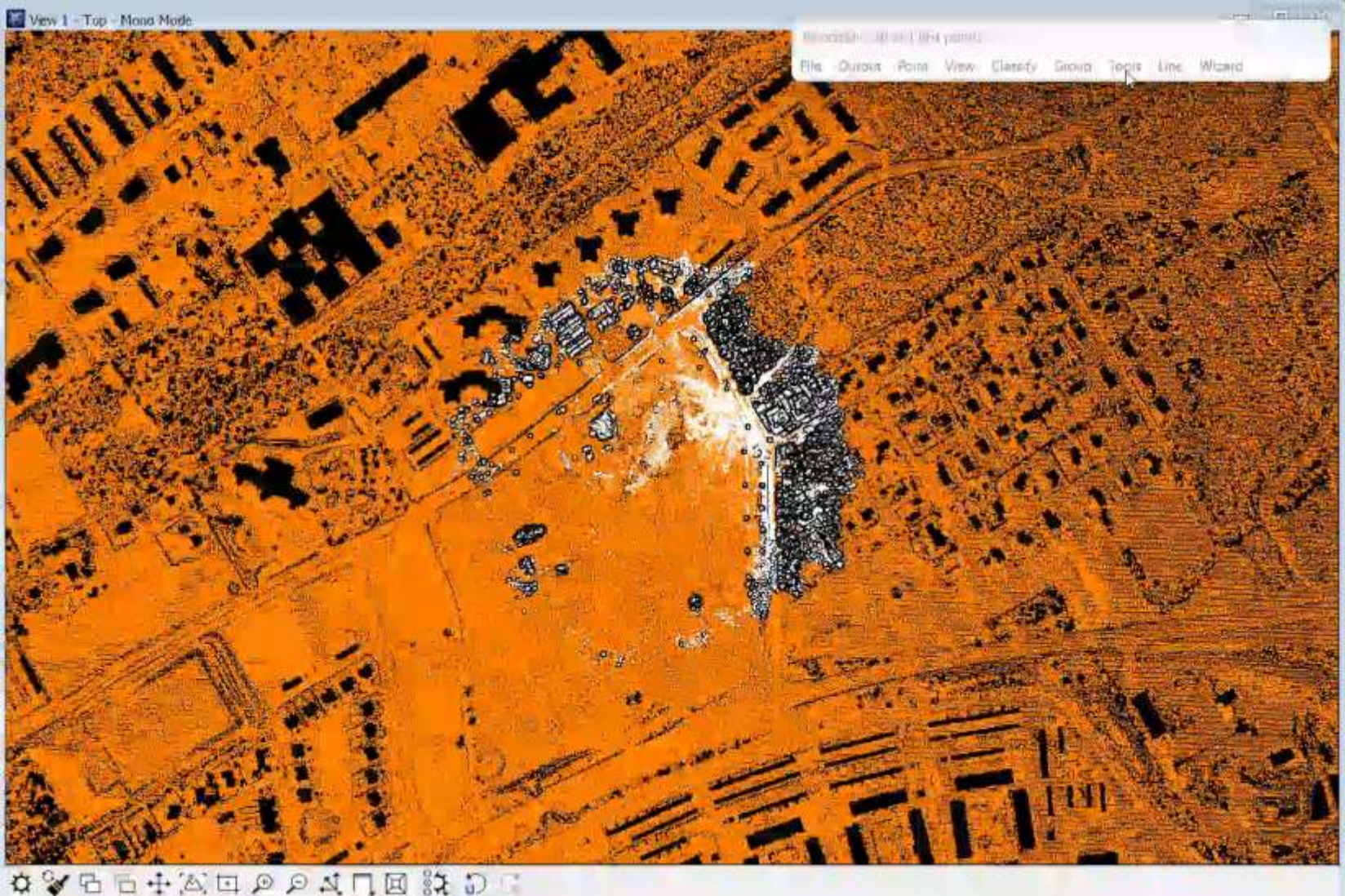
Geometric Accuracy Differences



Geometric Accuracy Differences



Data Sourcing Differences





KEY BENEFITS



Careful Planning
Necessary



Countless
Opportunities



Software to
Treat Different
Data Effectively



Batch Processing
Efficiency Gain

Booth 38

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Thank you!

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