Terra solid

POINT CLOUD INTELLIGENCE

DJI L1 POINT CLOUD PROCESSING
USING TERRASCAN AND TERRAMODELER UAV

Terra solid

POINT CLOUD INTELLIGENCE

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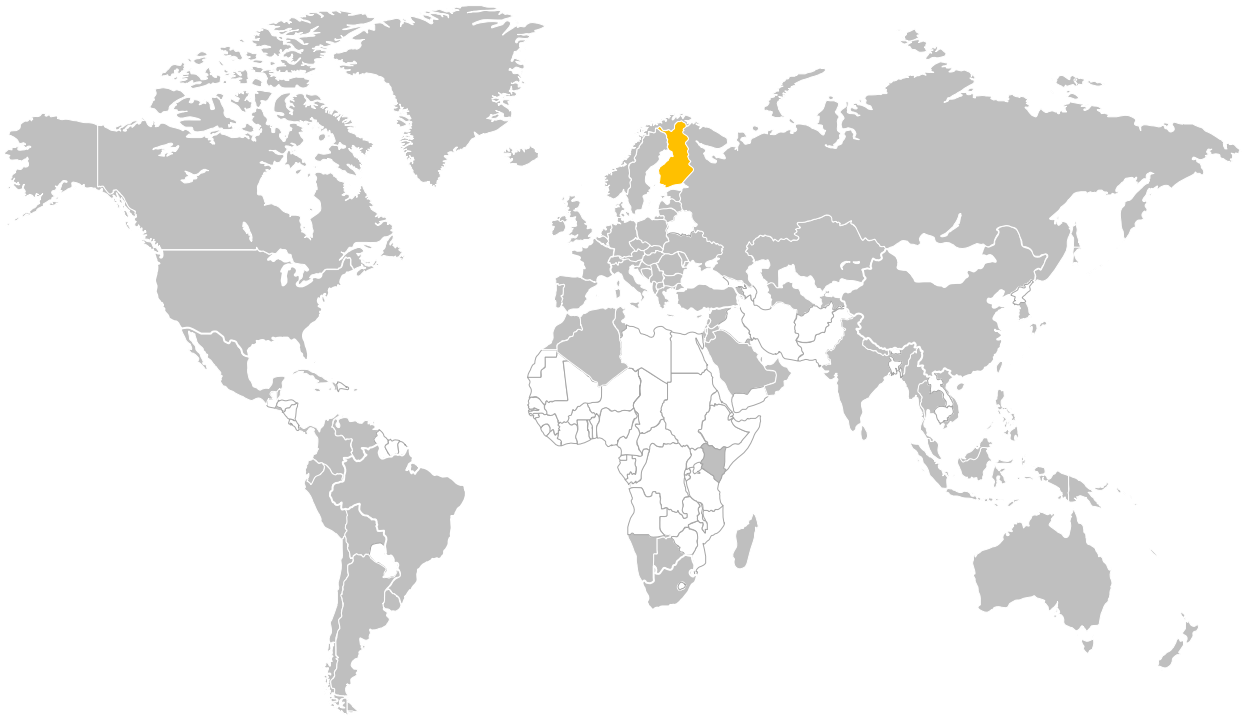
THE COMMUNITY

-90+ Countries
-2,700+ Customers
-20+ National Mapping Agencies
-50+ Regional Gov. Bodies
-Main Geo-Consultancies
    -Forestry
    -Powerlines
    -City Planning
    -Roads
    -Railways
    -Mining
    -Bathymetry

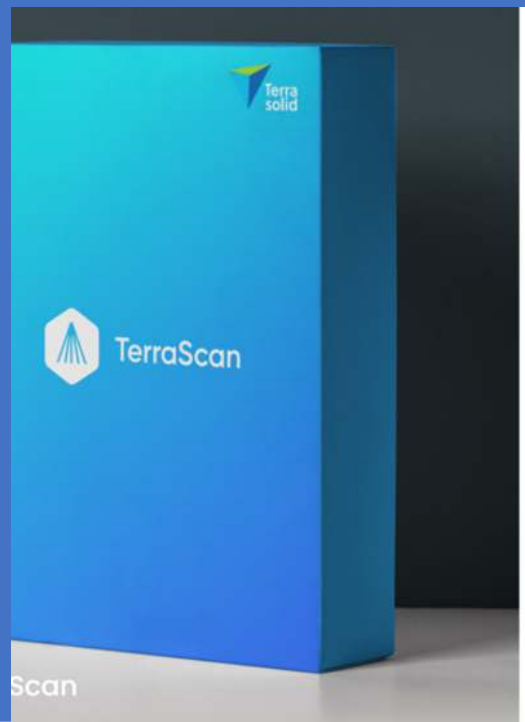


PRODUCT LINE

-FULL >> MULTIPLATFORM

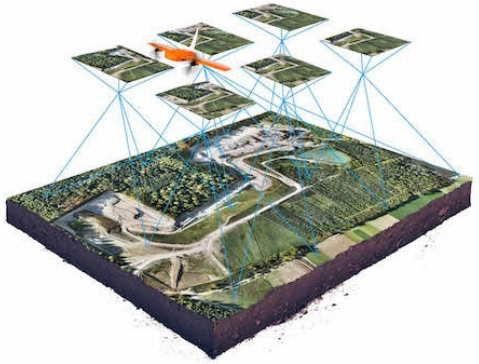
-UAV >> UAV, HANDHELD

-LITE >> MANUAL TASKS



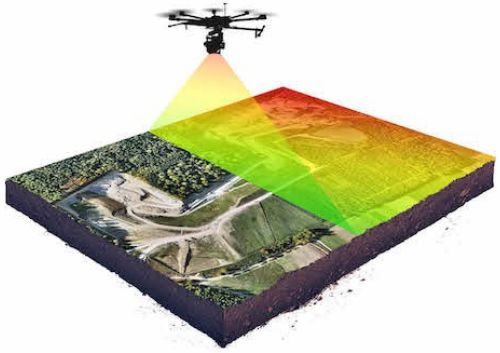
ALL POINT CLOUDS

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



PHOTOGRAMMETRY

Image: Wingtra



LASER SCANNING

ALS Image: HELINET

MLS Image: TOPCON

UAV Image: Phoenix LiDAR

HANDHELD Image: GEO-SLAM

TerraSolid UAV for DJI L1

TerraScan

MANAGE AND PROCESS POINT CLOUDS EFFICIENTLY IN A HIGHLY AUTOMATED MODE

TerraMatch

THE ULTIMATE TOOL TO IMPROVE THE ACCURACY AND QUALITY OF RAW POINT CLOUDS

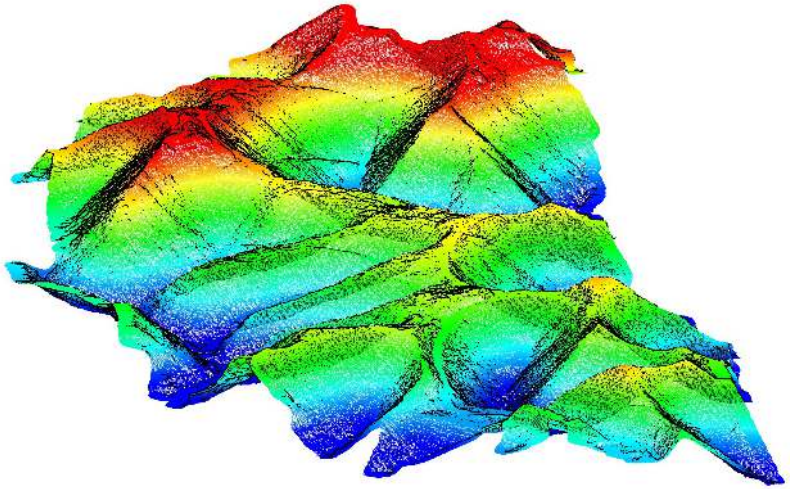
TerraModeler

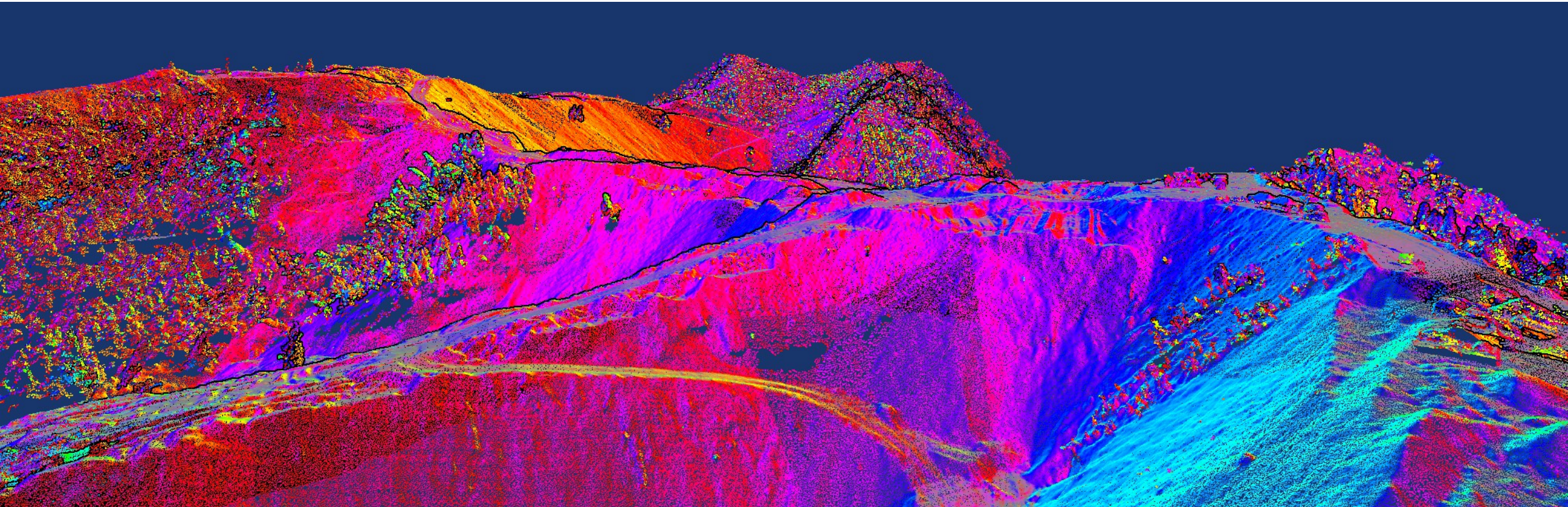
SURFACE MODELLING AND TERRAIN MAPPING WITH CONFIDENCE

TerraPhoto

POINT CLOUDS ACCOMPANYING IMAGE PROCESSING SOFTWARE

MAPPING

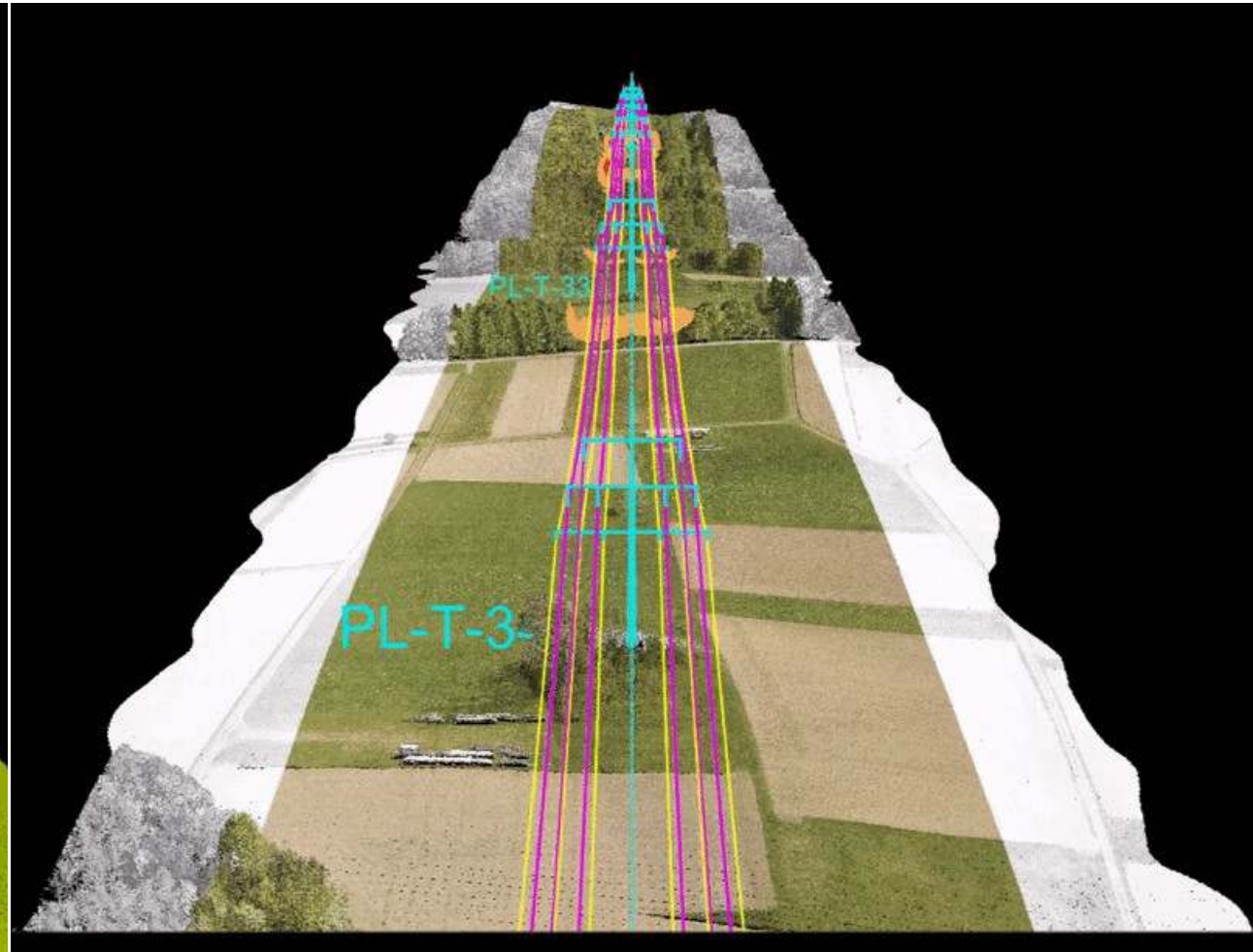




CITY MODELS

VECTOR MODELS
POINT CLOUD
IMAGERY
3D CITY DATABASE

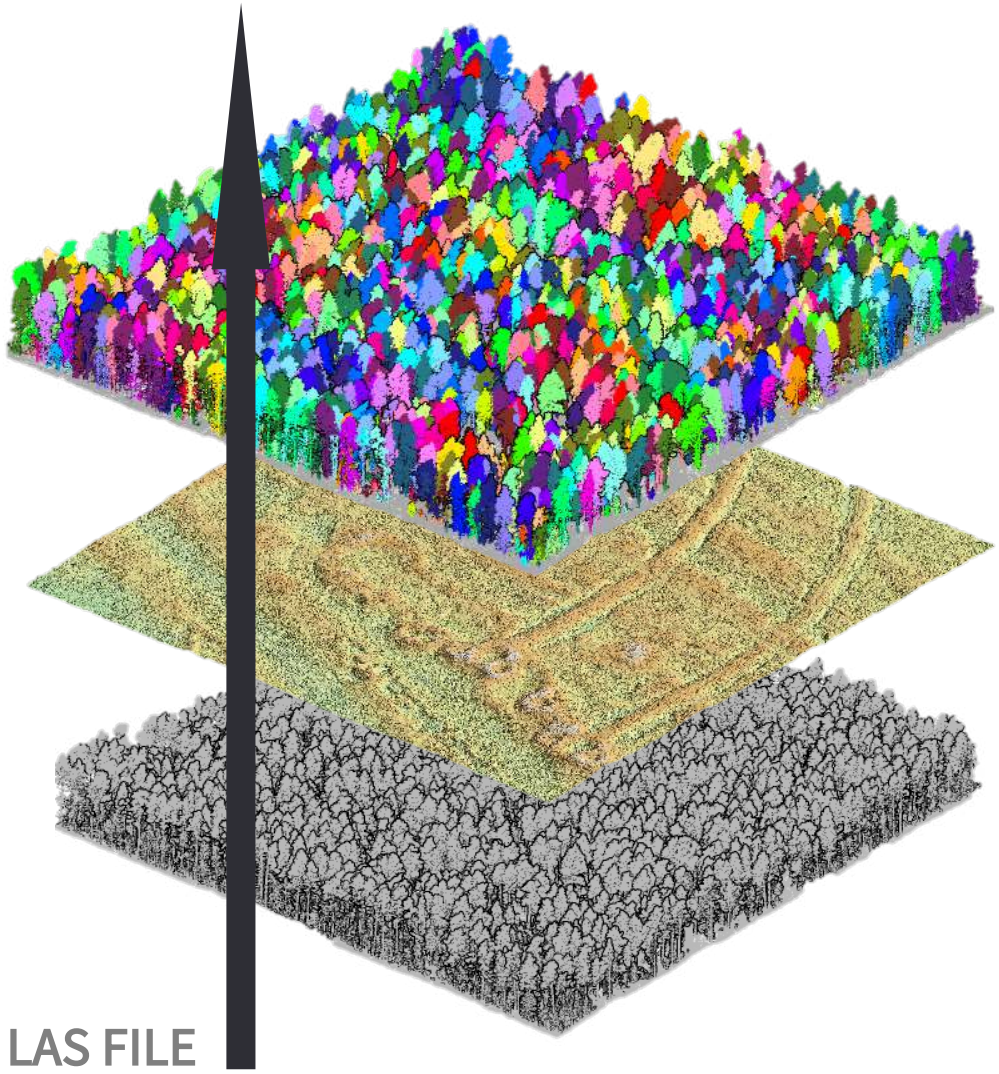
POWERLINES



FORESTRY

Tree	Easting	Northing	GroundZ	Height	CanopyW
Picea abies	478851.03	311035.49	5.43	23.54	12.06
Picea abies	478863.12	311043.12	5.46	25.64	9.26
Picea abies	478838.16	311073.16	6.26	27.10	9.00
Picea abies	478887.09	311061.83	5.47	26.42	9.41
Picea abies	478860.96	311069.37	6.40	24.20	11.60
Picea abies	478896.12	311062.08	5.11	23.63	10.77
Picea abies	478894.69	311031.61	5.69	27.91	11.66
Picea abies	478898.73	311022.93	5.71	26.55	9.12
Picea abies	478896.63	311051.78	5.44	23.62	9.93
Picea abies	478883.11	311027.21	5.90	24.73	10.56
Picea abies	478840.42	311054.96	5.30	25.12	12.11
Picea abies	478911.32	311051.04	5.81	20.68	10.13
Picea abies	478903.04	311040.35	5.71	25.27	7.22
Picea abies	478874.70	311067.08	5.92	27.32	11.75
Picea abies	478891.51	311019.76	5.96	25.40	8.95
Picea abies	478876.71	311021.72	5.50	27.00	11.03
Picea abies	478873.91	311088.81	5.48	20.57	10.24
Picea abies	478864.94	311069.56	6.28	24.24	9.42
Picea abies	478891.92	311080.83	5.26	25.37	10.43
Picea abies	478870.73	311024.49	6.24	26.70	11.19

TREE COUNT, DBH

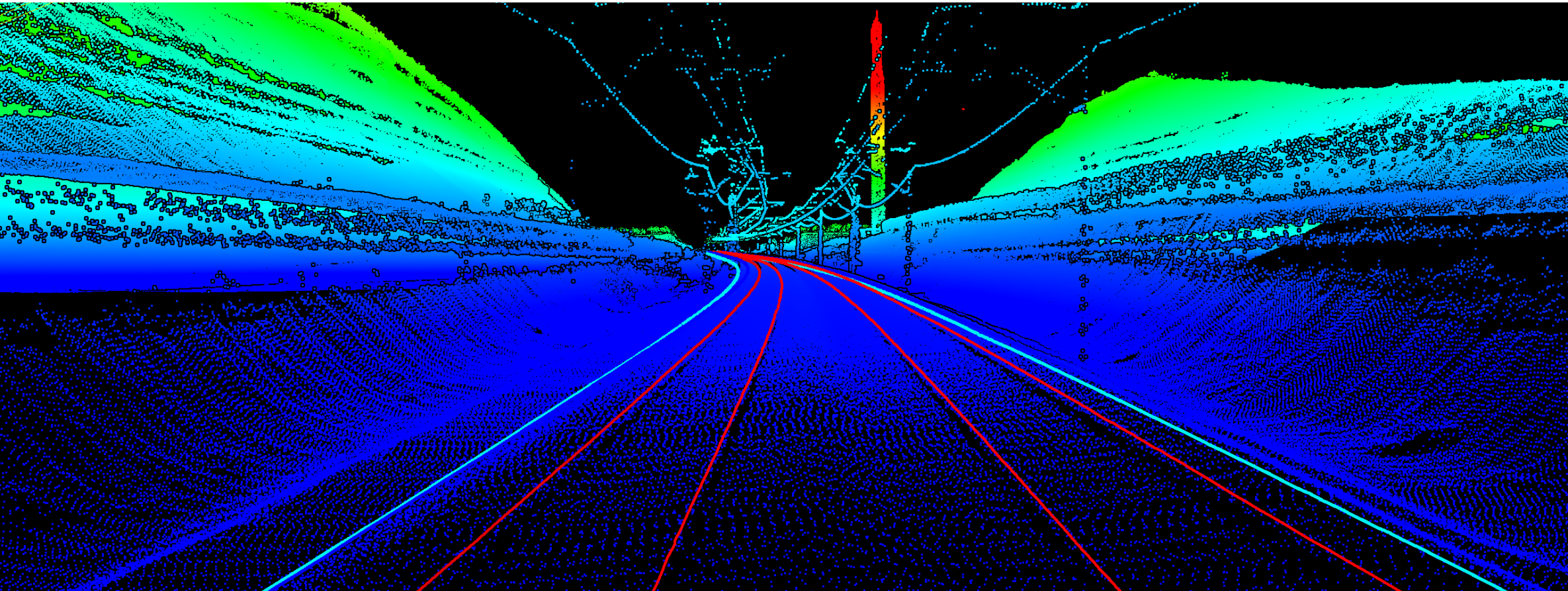


RAW LAS FILE

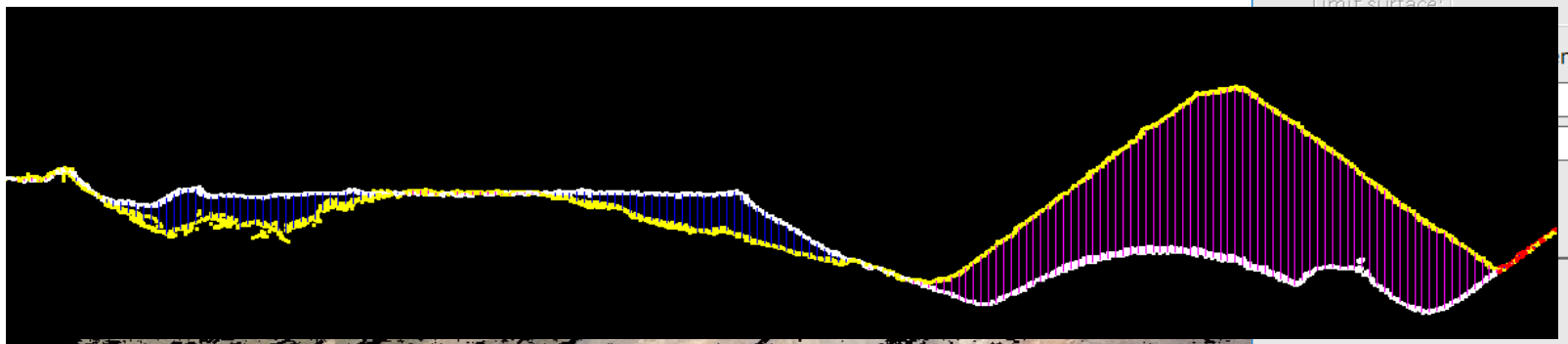
MIXED FOREST TERRASCAN PROCESSING SAMPLE

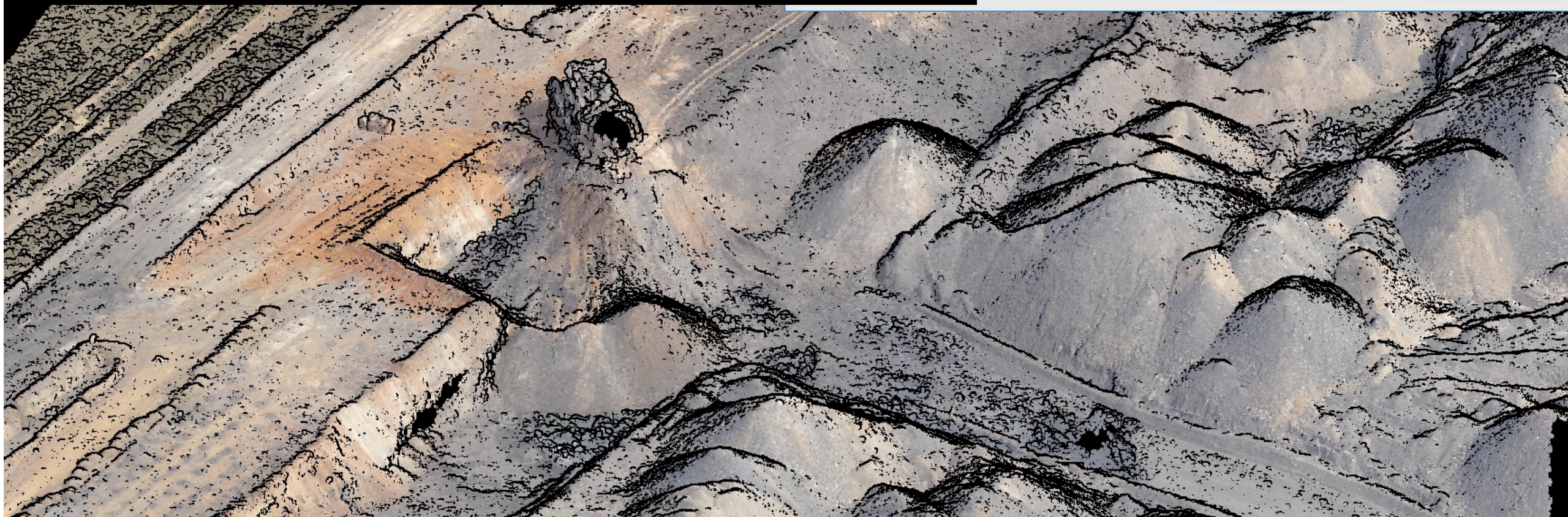
ROADS

RAILWAYS



VOLUMES





Compute Quantity

Upper surface: Laser points 1,6,10 >>

Lower surface: Laser points 8 >>

Limit: None

Limit surface:

nce

Display: Write to file

Draw as: Vertical lines

Done:	100	%	9
Cubic cut:	89828.6	m^3	1
Fill:	89694.7	m^3	5
Surf.cut area:	0.0	m^2	2
Surf.cut volume:	0.0	m^3	
Calculated area:	63690.0	m^2	

Reporting...

Print

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NEXT: DEMO
ARE YOU READY?