



Leica Infinity

Osrednji geodetski programski paket

Leica Infinity

Most med terenom in pisarno



Leica Infinity

Pretekle novosti

- LGO Project import
- Integracija ArcGIS Online, BIM 360, Bricsys 24/7...
- Comparison map (IFC model, oblak točk, trikotniška mreža, diskretno izmerjene točke)
- Grafične podlage (Basemap)
- Samodejna izbira referenčnih podatkov
- Ustvarjanje preletov

The screenshot displays the Leica Geo Office interface. On the left, a 'Services' sidebar lists various integrations, with 'ArcGIS Online' highlighted in a red box. The main area shows a table of services under the 'My Organization' tab. The table includes columns for Name, Type, Description, and Owner. Below the table, a 3D visualization shows a point cloud of a building's roof structure, with red and yellow points indicating specific features or measurements.

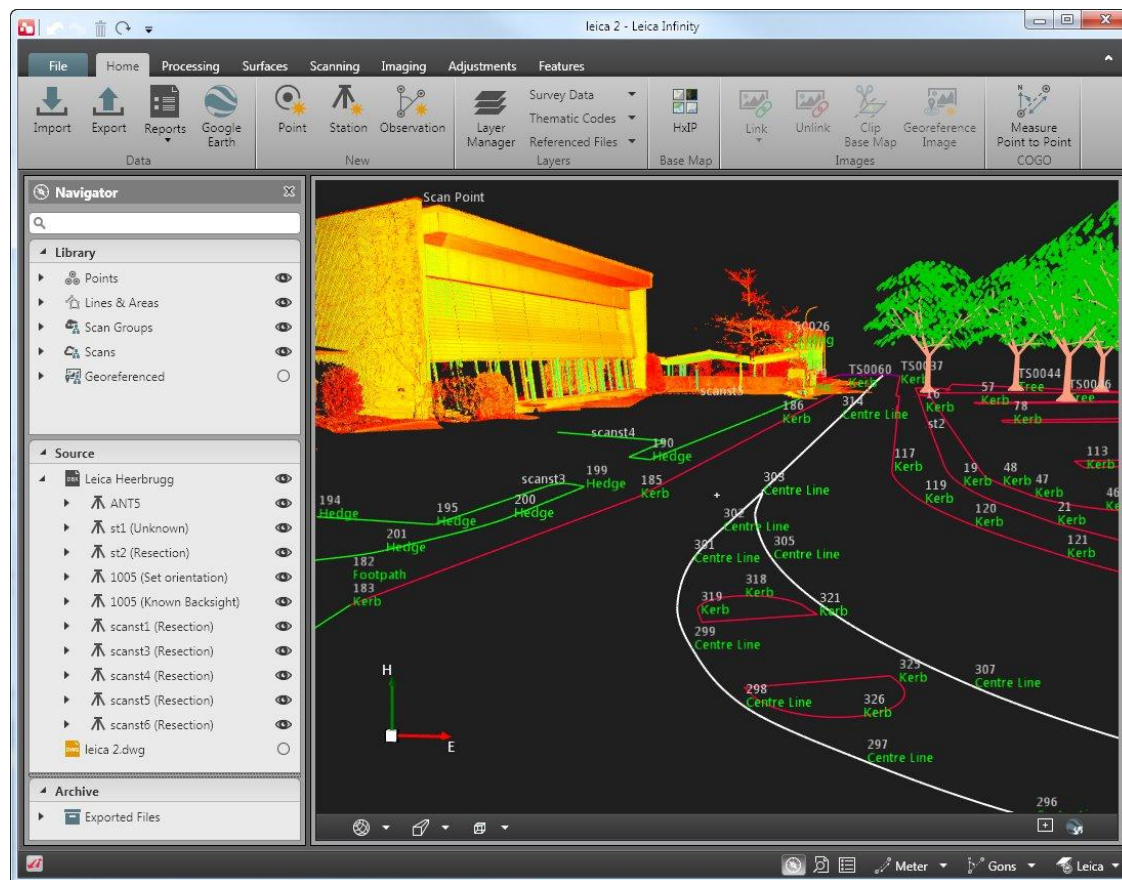
Name	Type	Description	Owner
SAS1:SV5591 by Population2050	ArcGIS Feature Server		Zeno_10
10 Min Walk from Polling Stations	ArcGIS Feature Server	Feature Service gen...	LeicaMike
AGOL_Demo_Dubai	ArcGIS Feature Server		Zeno_10
AGOL_Demo_Dubai_Training	ArcGIS Feature Server		Zeno_10
alba1111	ArcGIS Feature Server		monika.kwasny_LGS
albaaaaa	ArcGIS Feature Server		Aydin.Kahriman_LGS
ArcGIS_Online_new	ArcGIS Feature Server	test	Zeno_10
Augeo	ArcGIS Feature Server		Zeno_10
Availability	ArcGIS Feature Server		LeicaMike

The screenshot shows a 3D point cloud visualization of a building's roof structure. The points are colored in red and yellow, indicating specific features or measurements. The visualization is overlaid on a white grid. The interface includes a 'Flythrough Creator' tool and a 'Meter' tool.

Leica Infinity

Glavne funkcionalnosti programa

- Ustvari kodno listo
- Podpora Captivate, Zeno, iCON
- Uvozi, vizualiziraj, popravi
- Izvozi v CAD točne podatke



Glavne funkcionalnosti programa

Priprava poročil

- Poročila terenskih aplikacij
- Poročila zakoličevanja

Points Quality Report

Report created: 12-03-2023 09:33:31

Project Details

Project Name: Sušak parka
Customer Name: ...
Date Created: 17-07-2018 13:10:34
Last Modified: 17-03-2023 09:33:31
Application Software: ...

Summary

#	Point ID	Point Name	Northing (m)	Easting (m)	Ortho. Height (m)	Ellips. Height (m)
1	101	Control	52207752.8873	5461888.4551	404.3300	602.01
2	692	Control	52207758.3834	5461894.9793	404.7407	602.02
3	104	Marker	52207762.9421	5461895.8934	405.2781	-
4	105	Marker	52207763.1962	5461895.1718	399.2727	-

Staked Points Report

Report created: 17-03-2023 09:33:31

Project Details

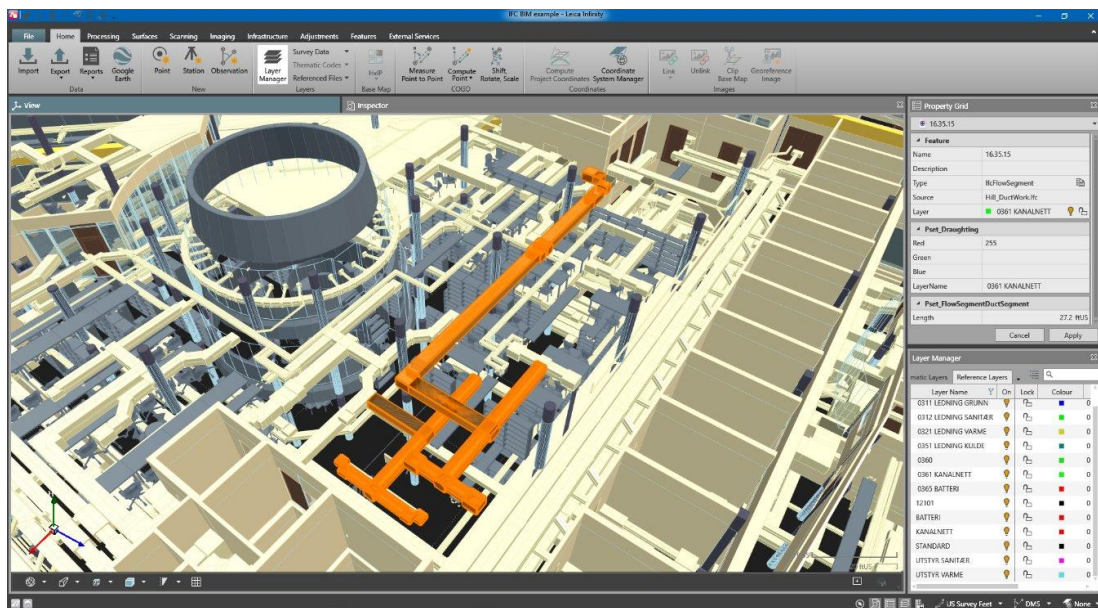
General: Unikat.pjctm
Customer Name: ...
Date: 17-03-2023 09:33:31
User: ...
Application Software: ...

Tolerance Settings

Stationing: 0.0000 m
Easting: 0.0000 m
Northing: 0.0000 m
Height: 0.0000 m

Staked Points

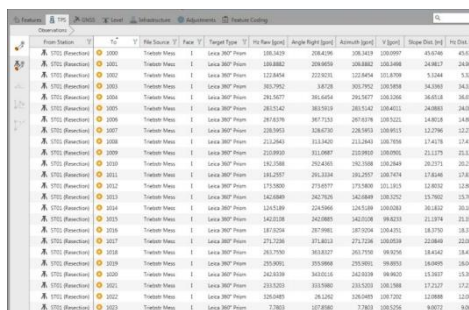
Point ID	Date/Time	Code	Design	Northing (m)	Easting (m)	Height (m)	ABO (m)
101	11-04-2018 11:44:03	Control	Design	52207752.8873	5461888.4551	404.3300	602.01
692	11-04-2018 12:04:01	Control	Design	52207758.3834	5461894.9793	404.7407	602.02
104	11-04-2018 14:00:17	Marker	Design	52207762.9421	5461895.8934	405.2781	-
105	11-04-2018 14:00:17	Marker	Design	52207763.1962	5461895.1718	399.2727	-



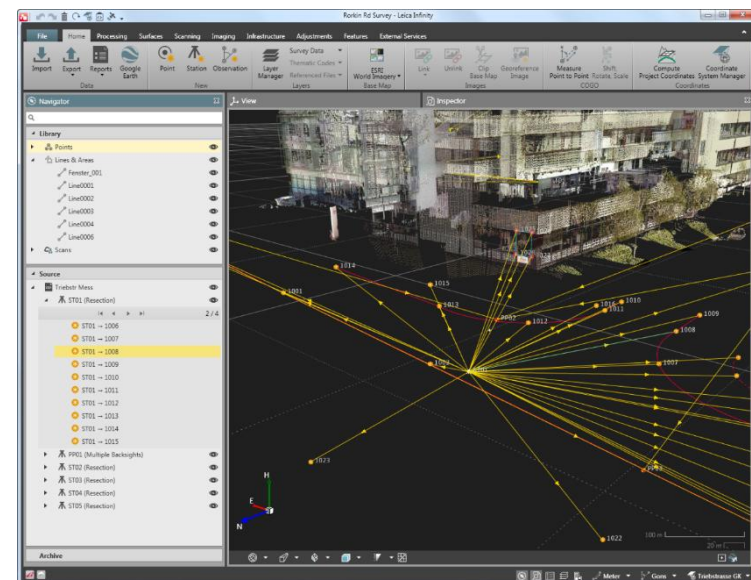
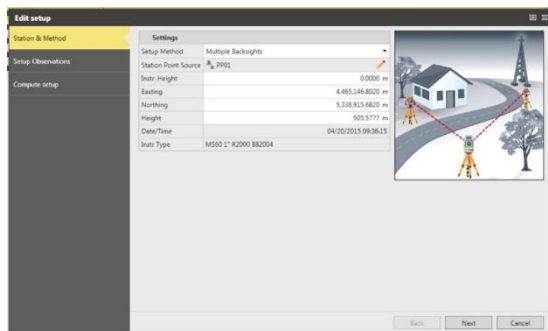
Glavne funkcionalnosti programa

Upravljanje s podatki TPS

- Pregleduj, obdelaj, poročaj terestrične podatke
- Uredi, ustvari, upravljalj
- Ročni vnos opazovanj

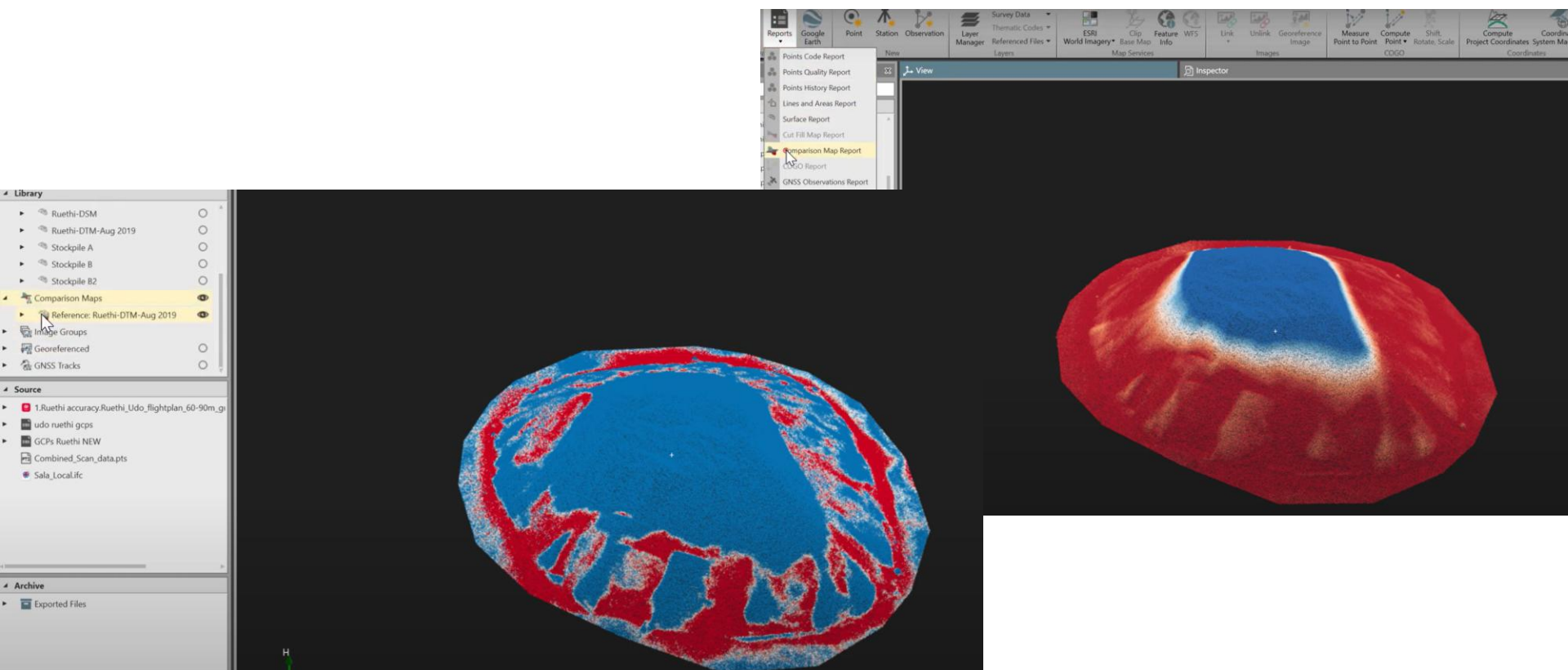


Station	Method	Instrument	Target	Date	Height	Distance	Angle	...
ST01 (Reception)	Triangulation	Leica 3607 Prism	108.2439	208.4396	208.1423	100.0007	45.0766	45.07
ST02 (Reception)	Triangulation	Leica 3607 Prism	109.8842	208.8059	208.3302	100.1488	24.9827	24.98
ST03 (Reception)	Triangulation	Leica 3607 Prism	123.8454	220.0251	123.5464	101.0199	5.2088	5.21
ST04 (Reception)	Triangulation	Leica 3607 Prism	362.7952	387.028	362.1902	100.0008	34.2603	34.26
ST05 (Reception)	Triangulation	Leica 3607 Prism	291.5077	361.6454	291.5077	100.1306	36.8518	36.85
ST06 (Reception)	Triangulation	Leica 3607 Prism	283.5142	361.9119	283.5142	100.4011	24.6851	24.69
ST07 (Reception)	Triangulation	Leica 3607 Prism	381.6278	397.7024	381.6278	100.0022	14.8624	14.86
ST08 (Reception)	Triangulation	Leica 3607 Prism	208.5913	326.6730	208.5913	100.9115	12.2766	12.27
ST09 (Reception)	Triangulation	Leica 3607 Prism	213.2943	313.2420	213.2943	100.7008	17.4178	17.41
ST10 (Reception)	Triangulation	Leica 3607 Prism	209.8989	351.0487	209.8989	100.9001	21.1291	21.12
ST11 (Reception)	Triangulation	Leica 3607 Prism	140.2588	252.4885	140.2588	100.2848	20.2371	20.23
ST12 (Reception)	Triangulation	Leica 3607 Prism	182.2917	226.2334	182.2917	100.7104	17.9146	17.91
ST13 (Reception)	Triangulation	Leica 3607 Prism	175.2620	273.6107	175.2620	101.2310	12.8202	12.82
ST14 (Reception)	Triangulation	Leica 3607 Prism	140.6849	242.7626	140.6849	100.2302	15.7602	15.76
ST15 (Reception)	Triangulation	Leica 3607 Prism	124.5189	224.5466	124.5189	100.0030	30.4302	30.43
ST16 (Reception)	Triangulation	Leica 3607 Prism	140.2338	242.0881	140.2338	99.8030	21.2194	21.21
ST17 (Reception)	Triangulation	Leica 3607 Prism	187.0254	207.9861	187.0254	100.4301	18.3710	18.37
ST18 (Reception)	Triangulation	Leica 3607 Prism	271.7236	371.8013	271.7236	100.9558	22.8840	22.88
ST19 (Reception)	Triangulation	Leica 3607 Prism	267.7070	368.8027	267.7070	100.0206	18.4402	18.44
ST20 (Reception)	Triangulation	Leica 3607 Prism	220.9091	310.9066	220.9091	99.8930	18.8400	18.84
ST21 (Reception)	Triangulation	Leica 3607 Prism	240.8338	340.0316	240.8338	99.9600	15.3807	15.38
ST22 (Reception)	Triangulation	Leica 3607 Prism	233.2203	333.5980	233.2203	100.1388	17.2107	17.21
ST23 (Reception)	Triangulation	Leica 3607 Prism	156.4891	261.2202	156.4891	100.7300	12.8688	12.86
ST24 (Reception)	Triangulation	Leica 3607 Prism	7.3803	107.8840	7.3803	100.0256	6.8072	6.80



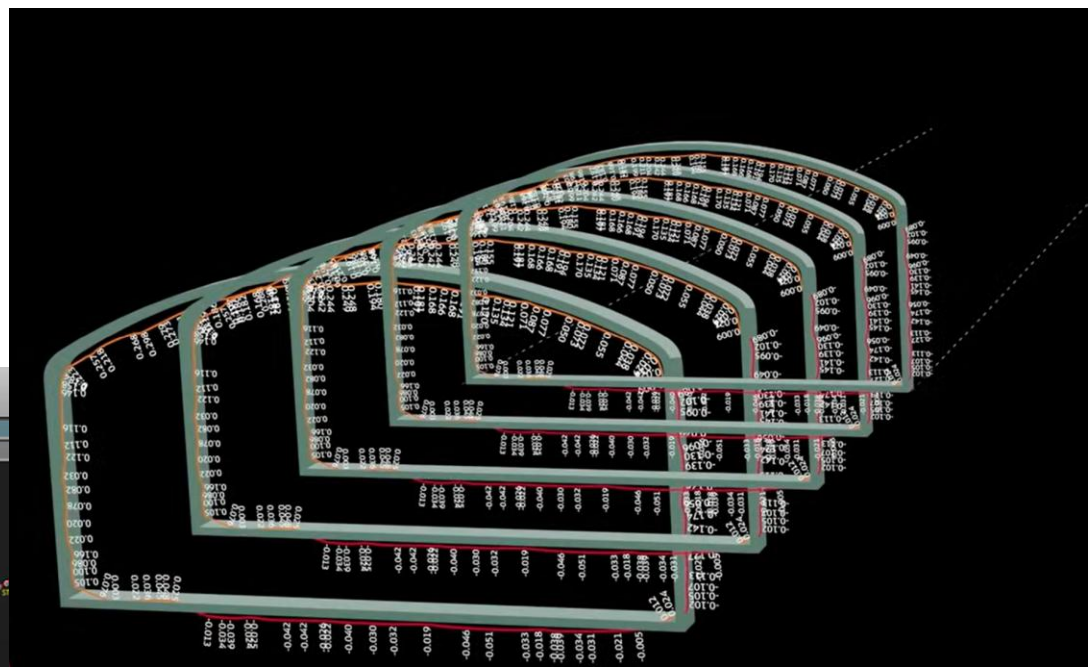
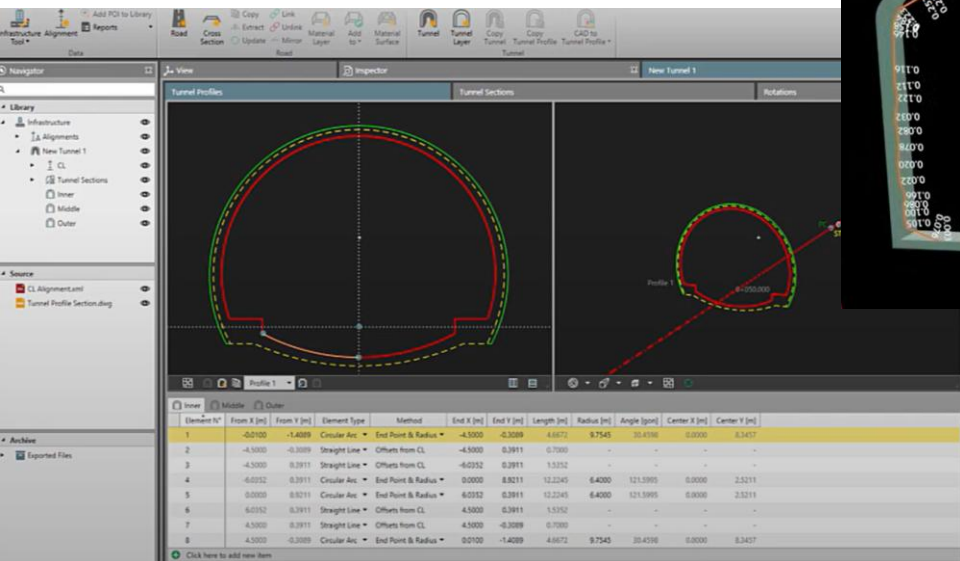
Glavne funkcionalnosti programa

Primerjava med modeli



Glavne funkcionalnosti programa

Tuneli



Glavne funkcionalnosti programa

Izmenjava podatkov in sodelovanje

- Infinity – GeoCloud Drive
- GeoCloud Drive – Captivate (teren)
- Captivate – GeoCloud Drive (nove meritve)
- GeoCloud Drive – Infinity (analiza)
- Infinity – BricsCAD ali CAD/BIM platforme



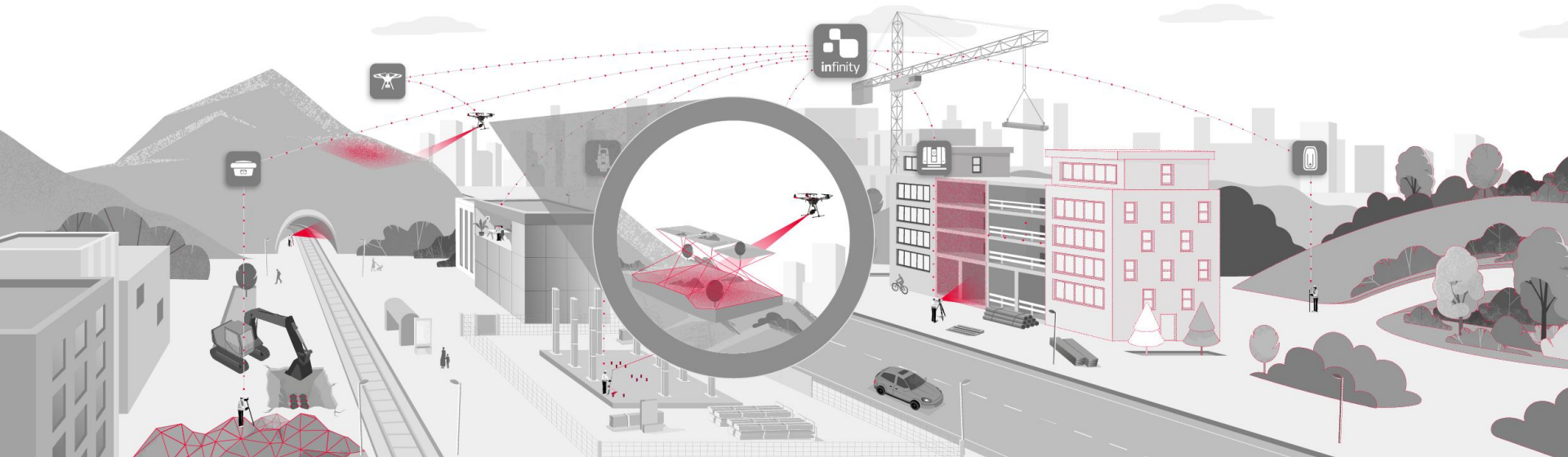
Leica Infinity

Prilagodljivost in razširljivost

- **Infinity Survey**
- **Infinity Advanced Survey** Dodatne funkcionalnosti za kompleksne geodetske naloge.
- **Infinity Engineering** Podpora za inženirske projekte, vključno z načrtovanjem cest in infrastrukture.
- **Infinity Point Clouds from Images** Obdelava podatkov iz UAV in ustvarjanje oblakov točk.
- **Infinity Point Cloud Registration** Registracija in usklajevanje oblakov točk iz različnih virov.

Leica Infinity Office Software - Options						
	Survey	Advanced Survey	Engineering	Infrastructure	Point Clouds from Images	Point Clouds Registration
PROCESSING TIPS						
Traverse, Sets of Angles & Foreights		✓				
Update Stations		✓				
Processing Reports		✓				
PROCESSING GNSS						
Single Frequency Data Processing (L1)	✓	✓				
Multifrequency Data Processing (L1, L2, L5)						
Multiconstellation Data Processing (GPS, GLONASS, GALILEO, BDS)	✓	✓				
Static & Kinematic Processing	✓	✓				
Manual & Automatic Processing	✓	✓				
Data Analysis Tools	✓	✓				
Observations & Positions Resizable	✓	✓				
Interactive Analysis Charts	✓	✓				
Processing Reports	✓	✓				
PROCESSING LEVEL						
Adjust, Join & Split Level Line	✓					
Height Observation	✓					
Add TP to Library	✓					
Level Reports	✓					
SURFACES & VOLUMES						
Create Surface: 3d Refined, Regular, Interpolated			✓			
Create Surface: 2.5d DSM, DTM			✓			
Add, Remove Features			✓			
Cut Features			✓			
Trim, Remove, Fill holes			✓			
Contours			✓			
Volumes - Stockpile, To Point, To Height			✓			
Volumes - Surface to Surface			✓			
Cut Fill Maps			✓			
Comparison Maps			✓			
POINT CLOUDS						
New Point Cloud Group			✓		✓	
Add & Remove			✓		✓	
Clean & Reduce Point Cloud Group			✓		✓	
Delete Points from Point Clouds			✓		✓	
Colour Mode & Filter Point Cloud			✓		✓	
Clip Plane, Slice or Box			✓		✓	
Reset & Toggle Clip			✓		✓	
POINT CLOUDS REGISTRATION						
Import RTC360 & BLK360						✓
Autocloud Import						✓
Auto Black & White Targets Extraction						✓
Visual Alignment						✓
Create & Delete Virtual Targets						✓
Match Targets						✓
Apply Controls						✓
Create Unified Point Cloud (LPC)						✓

Leica Infinity Office Software - Options						
	Survey	Advanced Survey	Engineering	Infrastructure	Point Clouds from Images	Point Clouds Registration
PROCESSING TIPS						
Traverse, Sets of Angles & Foreights		✓				
Update Stations		✓				
Processing Reports		✓				
PROCESSING GNSS						
Single Frequency Data Processing (L1)	✓	✓				
Multifrequency Data Processing (L1, L2, L5)						
Multiconstellation Data Processing (GPS, GLONASS, GALILEO, BDS)	✓	✓				
Static & Kinematic Processing	✓	✓				
Manual & Automatic Processing	✓	✓				
Data Analysis Tools	✓	✓				
Observations & Positions Resizable	✓	✓				
Interactive Analysis Charts	✓	✓				
Processing Reports	✓	✓				
PROCESSING LEVEL						
Adjust, Join & Split Level Line	✓					
Height Observation	✓					
Add TP to Library	✓					
Level Reports	✓					
SURFACES & VOLUMES						
Create Surface: 3d Refined, Regular, Interpolated			✓			
Create Surface: 2.5d DSM, DTM			✓			
Add, Remove Features			✓			
Cut Features			✓			
Trim, Remove, Fill holes			✓			
Contours			✓			
Volumes - Stockpile, To Point, To Height			✓			
Volumes - Surface to Surface			✓			
Cut Fill Maps			✓			
Comparison Maps			✓			
POINT CLOUDS						
New Point Cloud Group			✓		✓	
Add & Remove			✓		✓	
Clean & Reduce Point Cloud Group			✓		✓	
Delete Points from Point Clouds			✓		✓	
Colour Mode & Filter Point Cloud			✓		✓	
Clip Plane, Slice or Box			✓		✓	
Reset & Toggle Clip			✓		✓	
POINT CLOUDS REGISTRATION						
Import RTC360 & BLK360						✓
Autocloud Import						✓
Auto Black & White Targets Extraction						✓
Visual Alignment						✓
Create & Delete Virtual Targets						✓
Match Targets						✓
Apply Controls						✓
Create Unified Point Cloud (LPC)						✓



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Vaš most med terenom in pisarno