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POINTS AND POINT CLOUDS Import and export from/to different file formats	Standard	Professional	Surveying	Images
Creation from drawing entities		-		
Creation from alignment and cross-sections	-			
Conversion of AutoCAD point clouds	-	-		
Point editing	-			
Automatic drawing from point codes	-			
Rotate and move points		•		
SURFACES	Standard	Professional	Surveying	Images
Import and export from/to different file formats			Carveying	inagoo
Breakline drawing and editing				
Breakline error detection				
Creation of surfaces from points	•	•		
Creation of surfaces from 3D polylines	•			
Interactive surface editing	•	•		
Drawing as 3D faces, solids, polylines or meshes Creation of esplanades from terrain or esplanade height	•			
Earthworks by cut or fill head or foot		-		
Final ground calculation		-		
Fill holes and repair triangulation errors		-		
Optimum esplanade height calculation		•		
MESHES Calculation from points	Standard	Professional	Surveying	Images
Calculation from points Calculation from surfaces				
Calculation from contours				
Mesh as current surface				
Drawing of meshes as 3D faces, polyfaces or image	-	-		
Mesh smoothing	-			
Remove peaks				
Fill holes	-	•		
Import of Web Coverage Services (WCS)		•		
CONTOURS	Standard	Professional	Surveying	Images
Contour generation from surface				
Contour generation from meshes	-	•		
Contour editing	•	•		
Contour labeling automatic, manual or by direction lines	-	-		
Labeling of special contours Elevation of polylines to contours				
Contour smoothing		-		
Contour generalization	-			
Contour filtering		-		
Contour interpolation				
Contour splitting and joining				
Special height contours	-	•		
Contour separation	-			
Splines conversion	•			
Elevation error detection				
Import GIS files Export GIS files				
Import of Web Feature Services (WFS)				
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HORIZONTAL ALIGNMENTS	Standard	Professional	Surveying	Images
Definition of alignments from lines, arcs and clothoids	•			
Fixed, coupled, revolving and mobile alignment calculation				
Alignment library				
Alignment library Conversion of polyline to alignment	_			
Alignment utilities				
Checking of road regulations				
Import and export from/to different file formats				
Alignment dimensioning		-		
Generation and editing of superelevations		-		
Generation and editing of superelevations Generation and editing of widenings				
Generation and editing of superelevations Generation and editing of widenings Distances among alignments				
Generation and editing of superelevations Generation and editing of widenings Distances among alignments Drawing of 3D polylines	:			
Generation and editing of widenings Distances among alignments	•			

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PERCELLES AND CROSS SECTIONS Standard Professional Standard Standard Professional	Roundabouts links				
Profiles and cross section actualitor from 3D polylines	PROFILES AND CROSS SECTIONS	Standard	Professional	Surveying	Images
Cross section activation from surface or mesh Cross section activation from surface or mesh Cross section activation for surface or profile drawing Cross section activation for drawing Cross section activation from drawing Cross section activation Drawing of across sections Drawing of across Drawing of ac	Quick profile		-		
Cress section calculation from 3D polyines Cress section calculation by represion Automatic update of profile drawing Conversion of cross sections from drawing Conversion of cross sections from drawing Drawing of compound cross sections Label station and elevation Drawing of cross sections from drawing Than grout Cross sections from drawing Final grout Cross sections drawing Final grout Cross sections Final grout	Profiles and cross sections from point clouds				
Crose section calculation by regression Automatic update of profile drawing Crose section store drawing Drawing of corporal cross sections Drawing of terrain cross sections Drawing of corporal cross sections Drawing of corporal cross sections Label station and elevation Heights report by interval Label station and elevation Heights report by interval Heights report by interval He	Cross section calculation from surface or mesh		-		
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Lines stakeout Image: Constraint of the stakeout Simple template stakeout Image: Constraint of the stakeout Point analysis on alignment and terrain Image: Constraint of the stakeout Elevations report Image: Constraint of the stakeout	Import networks in LandXML, JSON formats Drawing of network nodes Creation of nodes from points or blocks Drawing of network edges Creation of network edges from polylines 2D or 3D Drawing of edges in front view Drawing of edges over cross-sections Drawing of network in 3D Templates in front view Export of networks to shape, LandXML, JSON formats TEMPLATES Definition of platforms Definition of ditches Definition of slopes Definition of walls and structures Definition of templates to stations Conversion of templates from drawing Plan view Reinforcements STAKEOUT Drawing and editing of stakeout stations Points stakeout Stakeout with respect to an alignment	Standard	Professional	Surveying	
Simple template stakeout Image: Complex stakeout Point analysis on alignment and terrain Image: Complex stakeout Elevations report Image: Complex stakeout	Import networks in LandXML, JSON formats Drawing of network nodes Creation of nodes from points or blocks Drawing of network edges Creation of network edges from polylines 2D or 3D Drawing of edges in front view Drawing of edges over cross-sections Drawing of network in 3D Templates in front view Export of networks to shape, LandXML, JSON formats TEMPLATES Definition of platforms Definition of slopes Definition of roadbeds Definition of walls and structures Definition of templates to stations Conversion of templates from drawing Plan view Reinforcements STAKEOUT Drawing and editing of stakeout stations Points stakeout Stakeout with respect to an alignment Points calculation and analysis	Standard	Professional	Surveying	
Point analysis on alignment and terrain Elevations report Image: Construction of the second second	Import networks in LandXML, JSON formats Drawing of network nodes Creation of nodes from points or blocks Drawing of network edges Creation of network edges from polylines 2D or 3D Drawing of edges in front view Drawing of edges over cross-sections Drawing of network in 3D Templates in front view Export of networks to shape, LandXML, JSON formats TEMPLATES Definition of platforms Definition of slopes Definition of slopes Definition of walls and structures Definition of geology Assignment of templates to stations Conversion of templates from drawing Plan view Reinforcements STAKEOUT Drawing and editing of stakeout stations Points stakeout Stakeout with respect to an alignment Points calculation and analysis Layers stakeout	Standard	Professional	Surveying	
Elevations report	Import networks in LandXML, JSON formats Drawing of network nodes Creation of nodes from points or blocks Drawing of network edges Creation of network edges from polylines 2D or 3D Drawing of edges in front view Drawing of edges over cross-sections Drawing of network in 3D Templates in front view Export of networks to shape, LandXML, JSON formats TEMPLATES Definition of platforms Definition of ditches Definition of slopes Definition of views Definition of discrets Definition of geology Assignment of templates to stations Conversion of templates from drawing Plan view Reinforcements STAKEOUT Drawing and editing of stakeout stations Points calculation and analysis Layers stakeout Lines stakeout Lines stakeout	Standard	Professional	Surveying	
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	Import networks in LandXML, JSON formats Drawing of network nodes Creation of nodes from points or blocks Drawing of network edges Creation of network edges from polylines 2D or 3D Drawing of edges in front view Drawing of edges over cross-sections Drawing of network in 3D Templates in front view Export of networks to shape, LandXML, JSON formats TEMPLATES Definition of platforms Definition of ditches Definition of slopes Definition of walls and structures Definition of geology Assignment of templates to stations Conversion of templates to stations Conversion of templates from drawing Plan view Reinforcements STAKEOUT Drawing and editing of stakeout stations Points calculation and analysis Layers stakeout Simple template stakeout Point analysis on alignment and terrain	Standard	Professional	Surveying	

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QUANTITY TAKE-OFF	Standard	Professional	Surveying	Images
Volumes by meshes difference	Stanuaru	FIDIESSIDITAL	Surveying	inages
Volume by cross-sections difference				
Volume by parcels	-	-		
Volume report				
Quick volume calculation		-		
Area and volume reports		-		
Cross-sections measurements report		-		
Roadbed layers measurements report		-		
Volume by simple template		-		
Volume by zones		-		
Mass diagram		-		
Work units database		-		
Life cycle analysis database		•		
Assignment of work units to earthworks		•		
Assignment of work units to roadbed layers		•		
Assignment of work units to drawing entitites				
Work units report Material execution budget report				
Consumptions and emissions report		-		
		-		
MAPS/RENDER	Standard	Professional	Surveying	Images
Route by terrain				
Route by road				
Elevation map	-	-		
Slope map		-		
Visibility map	-	-		
Customizable color palettes	-			
Material management				
Insertion of 3D objects	•	-		
Export to KML, 3DS, SKP, DAE	•	-		
Import from Google Earth (KML)		•		
	Otau land	Destantional	Survevina	la serie s
IMAGES Insertion of georeferenced images	Standard	Professional	Surveying	Images
Insertion of pictures with location		-		-
Insertion of UAV pictures				
Insertion of images from WMS services	-			
Change resolution of image	_	_		-
Change size of image				
Flip and rotate image				•
Adjust brightness, contrast, hue, saturation and gamma of image				
Flip and rotate image Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images				
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Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines	Standard	Professional	Surveying	Images
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Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from points Creation of plots from drawing	Standard	Professional	Surveying	Images
Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from points Creation of plots from drawing Definition of islands	Standard	Professional	Surveying	Images
Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from points Creation of plots from drawing Definition of islands Definition of building and other constructions	Standard	Professional	Surveying	Images
Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from points Creation of plots from drawing Definition of islands Definition of building and other constructions Dimensioning of plots	Standard	Professional	Surveying	Images
Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from points Creation of plots from drawing Definition of islands Definition of building and other constructions Dimensioning of plots Labelling plots	Standard	Professional	Surveying	Images
Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from points Creation of plots from drawing Definition of islands Definition of building and other constructions Dimensioning of plots Labelling plots Plot report	Standard	Professional	Surveying	Images
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Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from points Creation of plots from drawing Definition of islands Definition of building and other constructions Dimensioning of plots Labelling plots Plot report Plot plans Divide plots	Standard	Professional	Surveying	Images
Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from polylines Creation of plots from drawing Definition of islands Definition of building and other constructions Dimensioning of plots Labelling plots Plot report Plot plots Join plots	Standard	Professional	Surveying	Images
Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from polylines Creation of plots from points Creation of plots from drawing Definition of islands Definition of islands Definition of building and other constructions Dimensioning of plots Labelling plots Plot report Plot plans Divide plots Join plots Export plots to shape, LandXML, GML, DA formats	Standard	Professional		Images
Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from polylines Creation of plots from points Creation of plots from drawing Definition of building and other constructions Dimensioning of plots Labelling plots Plot report Plot plans Divide plots Join plots Export plots to shape, LandXML, GML, DA formats EIM	Standard	Professional	Surveying	
Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from polylines Creation of plots from points Creation of plots from drawing Definition of islands Definition of islands Definition of building and other constructions Dimensioning of plots Labelling plots Plot report Plot plans Divide plots Join plots Export plots to shape, LandXML, GML, DA formats EXPORT plots to shape, LandXML, GML, DA formats	Standard Standard			
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Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images Georeference images Update georeferencing Distort image View EXIF information PLOTS Import of plots in shape, LandXML, GML formats Creation of plots from polylines Creation of plots from points Creation of plots from drawing Definition of islands Definition of building and other constructions Dimensioning of plots Labelling plots Plot report Plot plans Divide plots Support plots to shape, LandXML, GML, DA formats Export plots to shape, LandXML, GML, DA formats	Standard	Professional		
Adjust brightness, contrast, hue, saturation and gamma of image Delimit image Cut and paste images	Standard	Professional		

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Definition of properties sets	-	-		
Assignment of properties	-	-		
Classification of objects	-	-		
Export IFC to BIMserver.center	-			
	-	-		
UTILITIES	Standard	Professional	Surveving	Images
Sheet drawing	-			
Entities elevation		-		
Drawing of crosses, ticks and coordinates	-	-		
Drawing of slopes				
Layer tools		-		
Dimensioning tools				
Access to technical support	-	•		
SURVEYING	Standard	Professional	Surveying	Images
Conversion of total station measurement files				
Instruments table			-	
Point and station calculation			-	
Direct and inverse intersection			-	
Trigonometric leveling			-	
Traverse compensation			•	
Network compensation			•	
Reliability and goodness of fit tests			•	
	1			
GEODESY	Standard	Professional	Surveying	Images
Coordinate transformations			•	
Transform from/to local systems			-	
Ellipsoids, datums and coordinate systems management			•	
Geodesic calculator			•	
Geodesic calculator Drawing transformations Import of GPX files			•	