TcpMDT
Digital Terrain Model

for BricsCAD®

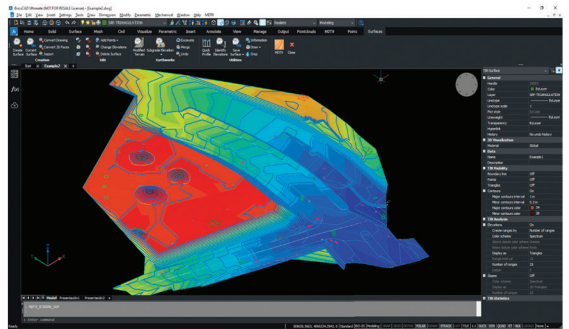## All-in-one solution for Surveying and Civil Engineering projects.

MDT is a modular application that is installed as a plugin on CAD software. It is easy to learn, provides a powerful set of tools.

Standard version

It allows you to model a terrain using points measured by any total station or GNSS receiver, importing files or connecting to web services. It provides options for generation of contour lines, drawing of profiles and cross-sections, calculation of volumes, visualization of terrain in 3D, slope maps, import and export GIS files, etc. It also has functions for working with plots and multiple additional utilities.

Dossier Standard Version

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Professional version

It includes all features of standard version and provides tools for designing horizontal and vertical alignments, drawing the project templates, area and volume reports, setting-out, virtual tour, measurements and quotations, water, sewerage and rainwater networks, etc. This software is suitable for all kind of surveying projects for roads, urbanizations, quarries... It is easily integrated into OpenBIM workflows, through exchange of IFC and LandXML files.

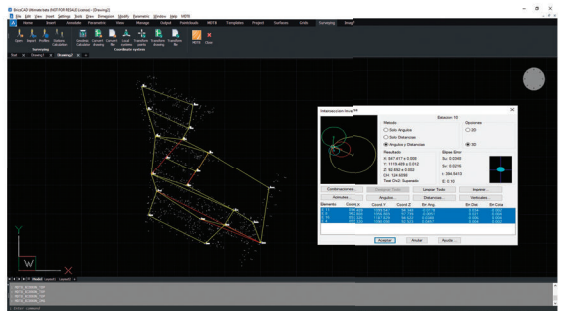Dossier Professional Version

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Surveying module

It is very useful for processing total station observations, calculating point coordinates and compensating traverses and networks. It also allows you to perform coordinate transformations and include the EPSG database with global coverage of reference systems, organized by countries.
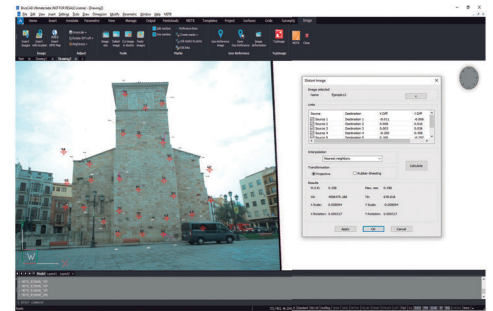
Dossier Surveying Module

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Images module

It is designed to work with digital images such as photographs, orthoimages and scanned maps in combination with vector drawings. It is very easy to georeference and distort images using control points, apply adjustment and conversion processes as well as joining and splitting images.
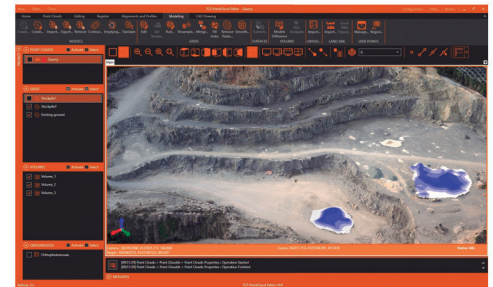
Dossier Images Module

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Point clouds

Tcp PointCloud Editor is an independent application, but complementary to TcpMDT, for the visualization and editing of point clouds captured by fixed or portable scanners, LiDAR technology or generated from drone images. It has tools for generating surfaces and meshes, profiles, volumes, CAD drawing, export to IFC, 3D PDF, video and many more.

Dossier Point Cloud Management

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Requirements [1]

CAD	BricsCAD® Pro/BIM/Ultimate versions 16 to 23
Operating System	Windows 8, 10 and 11 in x64 architecture
Peripherals	Mouse with 3 buttons + wheel or pointer
Graphics Card	1280x720 pixels, compatible with OpenGL 3.3 or better Recomnended chipset Nvidia or ATI
Hard Disk	10 Gb of free disk space
Memory	4 Gb

[1] This information is for guidance only. More detailed information about TcpMDT requirements at www.aplitop.com

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Reseller

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