



# TcpMDT

Digital Terrain Model for **ZWCAD**

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

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

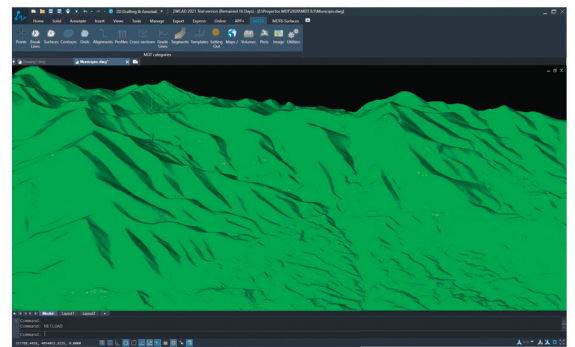


## Standard version

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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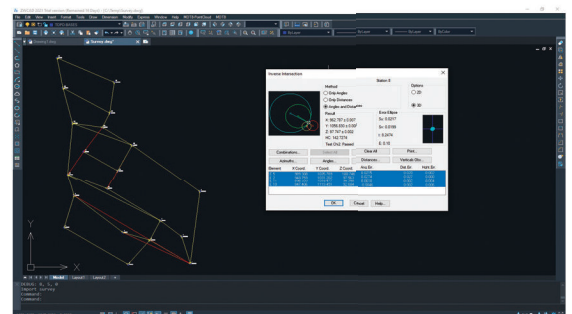


## Surveying module

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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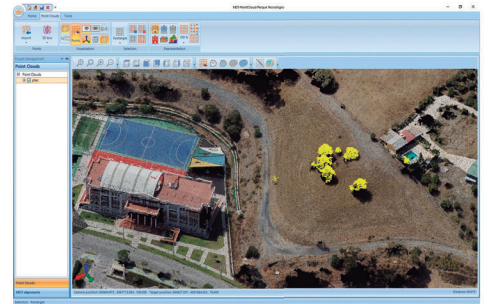
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## Point cloud module

It allows the user to view and process point clouds captured by laser scanners, LiDAR technology, Mobile Mapping or photogrammetry applications. It can manage millions of points imported from files in common formats. It also generates profiles and cross-sections from a polyline or alignment, as well as digital models that can be easily exported to CAD.

Dossier Point Cloud Module

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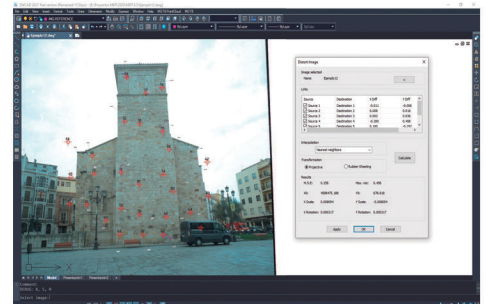


## Images module

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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## Requirements <sup>(1)</sup>

CAD	ZWCADProfessional/Enterprise versions 2012+ to 2021
Operating System	Windows 7, 8, 8.1, 10 in 32 and 64 bits
Peripherals	Mouse with 3 buttons + wheel or pointer
Graphics Card	1280x720 pixels, compatible with OpenGL Recommended chipset Nvidia or ATI
Hard Disk	10 Gb of free disk space
Memory	3 Gb
Processor	Dual-core 2Ghz or better

<sup>(1)</sup>This information is for guidance only. More detailed information about TcpMDT requirements on [www.aplitop.com](http://www.aplitop.com)

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