TcpMDT

Digital Terrain Model

7.5

Solution for Surveying and Civil Engineering

A full and low cost solution for all Surveying and Civil Engineering projects. MDT is a modular application, powerful and easy to use.

Standard Version

The program starts to run from the coordinates captured by any total station or GPS, drawing the survey automatically. Using these data a surface or mesh is generated, as well as contours.

Horizontal alignment can be defined from a polyline, being possible to get and draw terrain cross sections from a surface or 3D cartography or surveying drawings. Also cut and fill volumes can be computed by difference of meshes or cross sections.

Commands for terrain viewing, defining new textures and orthophotos and high-quality video generation, exporting drawing information to Google Earth, etc.

Professional Version

MDT Professional is designed to assist users in all the phases of carrying out a project for lineal works, developments, quarries, mines, etc. Advanced surface operations allow to generate quickly earthworks by terrain or leveling heights, optimum height calculation, etc.

It provides tools for the design of horizontal and vertical alignments, input by parameters or conversion from LandXML and other formats. It also lets you define and assign templates from vectorial elements.

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Surveying and
Civil Engineering Solutions
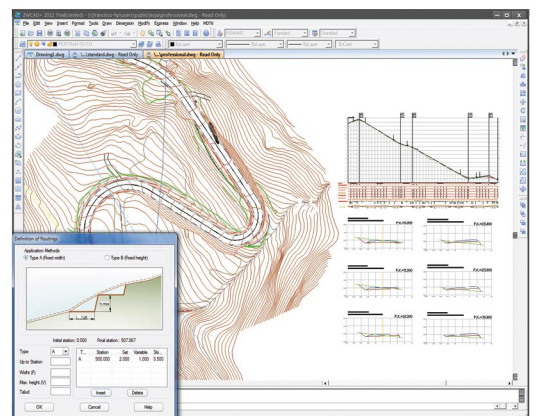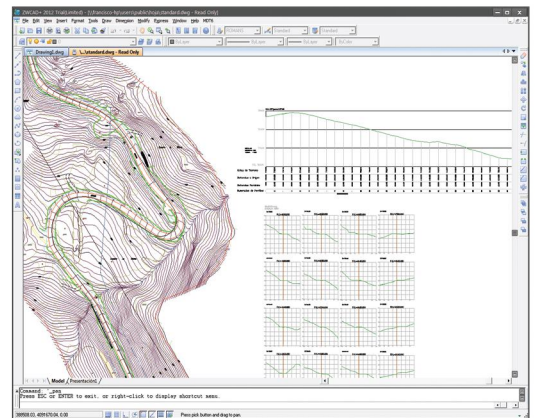
From this information we can calculate and draw the project cross-sections, generate final ground, cut and fill reports, mass diagrams, quick volume measurements, etc.

Stakeout options allow to calculate and analyze points on alignment, station and offset, station and code and others. The results can be exported to a GPS or total station for setting out.

Surveying Module

This module is compatible with standard and professional versions. It is designed for the calculation and management of total station measurements stored by major brands, including traverse and network compensation, direct and inverse intersections, levelling and more.

It also includes features for working with projected and local coordinate systems, including support for multiple ellipsoids, datum transformations, projections and geoids, geodesic calculator, etc. Can be applied 2D and 3D coordinate transformations to coordinate files and drawings.
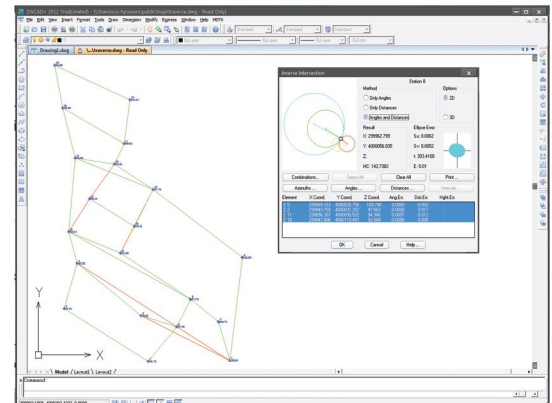
Requirements [1]

CAD	AutoCAD versions 2004 to 2017
	BricsCAD Pro/Platinum versions 12 to 16
	ZWCAD Professional/Enterprise versions 2012+, 2014+, 2015+ and Classic
Operating System	Windows XP, Vista, 7, 8,8.1, 10 in 32 and 64 bits
Peripherals	Mouse with 3 buttons + wheel or pointer
	CD-ROM reader
Graphics Card	1024x768 pixels, compatible with OpenGL
	Recommended chipset NVIDIA or ATI
Hard Disk	2Gb of free disk space
Memory	Minimum 1 Gb
Processor	Dual-core 2 Ghz or better

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

Reseller

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