

tcpMDT

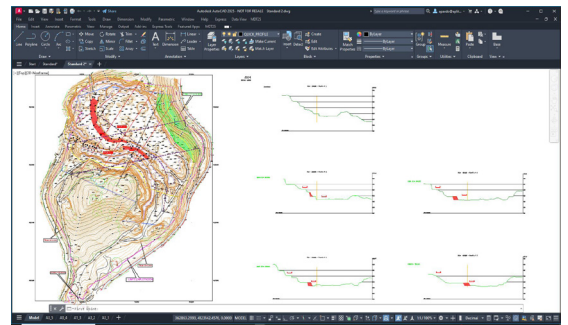
Leading Civil Engineering and Surveying Solution

tcpMDT 25 powers your CAD with modular design and advanced tools. Created to solve everyday civil engineering and surveying challenges, it combines ease of use, accuracy and flexibility, adapting to projects of any scale.



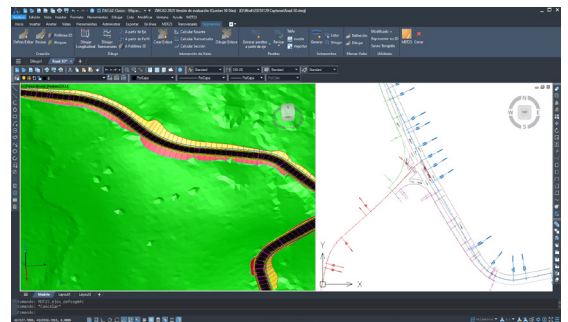
Standard Version

Allows terrain modelling using data from total stations or GNSS receivers, with data taken by tcpGPS or other applications. It also includes the automatic assignment of coordinate systems when importing points with tcpGPS. It has options for generating contour lines, drawing long and cross sections, calculating volumes, 3D visualization, slope maps, GIS import and export, etc. It contains commands for working with plots of land and multiple additional utilities.



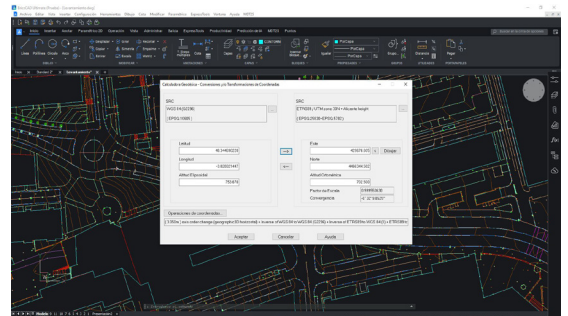
Professional Version

It includes all the features of the standard version and provides advanced tools for the design of horizontal and vertical alignments, drawing of typical sections of the project, area and volume reports, stakeout, calculation of slopes and earthworks, creation of meshes from point clouds or LiDAR files, virtual tour, measurements and quantity take-off, water, sewage and rainwater networks, etc. This application is suitable for all types of topographic projects for roads, housing developments, quarries, etc. It is easily integrated into OpenBIM workflows, with IFC, LandXML, etc. file exchange.



Surveying Module

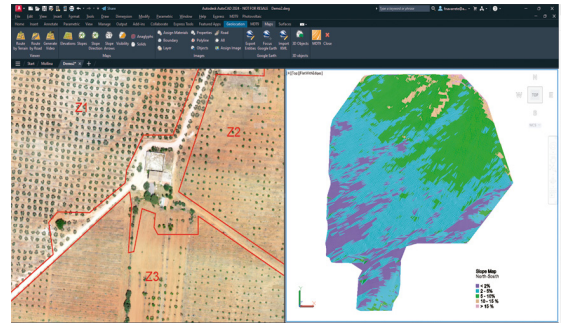
Coordinate reference systems with worldwide coverage. Performs global or local transformations of points, files or drawings. Processing of total station observations, calculation of point coordinates and compensation of traverses and networks.





Photovoltaics Module

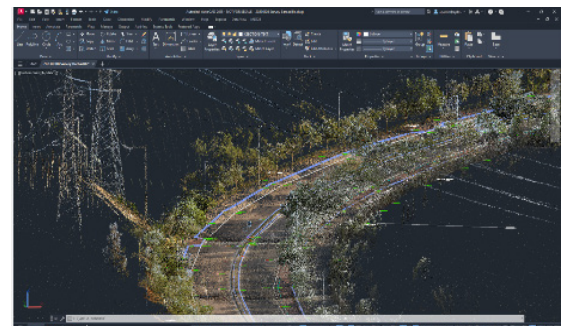
tcpMDT PV is a module that runs on top of the professional version and is specifically dedicated to the optimization of earthworks for complex terrain, performing calculations on different types of trackers.



Point Clouds

tcpMDT25 facilitates the insertion of point clouds in the formats supported by each CAD version and use them in the creation of meshes or surfaces. It also allows importing files in LAS/LAZ format.

It is complemented by the Tcp PointCloud Editor solution, desktop software that allows the management, segmentation and categorization of the point cloud.



Requirements ⁽¹⁾

CAD	AutoCAD® versions 2019 to 2027 (64 bit) BricsCAD® BIM/Pro/Ultimate versions 19 to 26 (64 bit) GstarCAD® Professional/Plus versions 2023 to 2026 (64 bit) progeCAD® Professional versions 2025 to 2026 (64 bit) ZWCAD® Professional/Enterprise versions 2019 to 2026 (64 bit)
Operating System	Windows 10 and 11 on x64 architecture
Peripherals	Mouse 3 buttons + wheel or pointing device
Graphics Card	1280x720 pixels, OpenGL 3.3 or higher support Nvidia or ATI chipset recommended
Hard Disk	10 Gb of free disk space
Minimum Memory	4 Gb

(1)This information is purely indicative. It is recommended to consult the specifications of the respective manufacturers as well as the tcpMDT requirements section on our website www.aplitop.com.

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