



tcpMDT

Professional Solution for Surveying and Civil Engineering

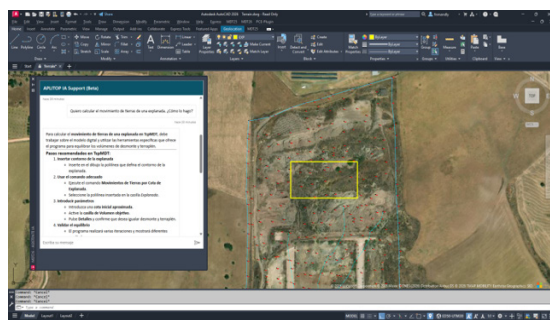
tcpMDT 26 powers your CAD with a complete environment for surveying, civil engineering, and terrain modeling. Its modular design combines ease of use, accuracy and productivity, covering everything from field data processing to BIM and GIS design, measurements, stakeout and exchange. In addition, it includes assistance based on Artificial Intelligence to help the user find tools and solve doubts within the workflow.



Standard Version

It allows you to create and edit digital terrain models from points, breaklines, CAD files, GNSS data, total stations, TcpGPS and point clouds. It includes tools for point management, field codes, triangulation, contour lines, long and cross sections, volume calculation, 3D visualization, plots, slope maps and GIS data exchange.

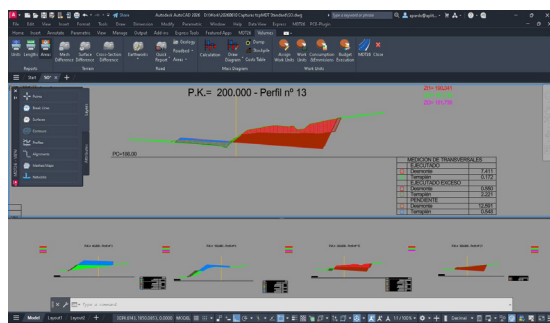
It includes an artificial intelligence assistant and MCP connection to consult information, execute instructions and advance technical work more directly.



Professional Version

It includes all the features of the standard version and adds advanced functions for civil engineering projects: design of horizontal and vertical alignments, standard sections, urban roads and highways, slope calculation, earthworks, quantity take-off, stakeout, water, sanitation and rainwater networks.

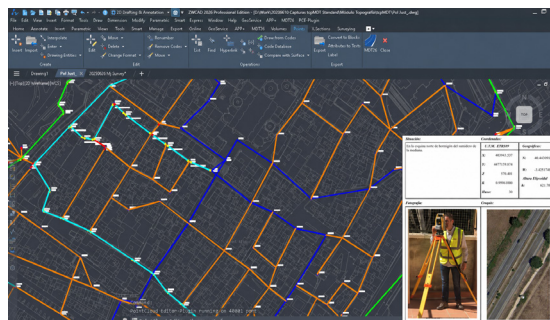
It is suitable for road projects, housing developments, quarries, platforms, hydraulic infrastructures and linear works. It facilitates collaborative work by exchanging IFC 4.3 files, LandXML and other common formats in OpenBIM and CAD flows.



Surveying Module

Coordinate reference systems with worldwide coverage. Performs global or local transformations of points, files, and drawings. It processes total station observations, calculates point coordinates, and allows you to compensate traverses and networks.

Its integration with TcpGPS facilitates continuity between field and office, sharing points, codes, attributes and data captured during the survey.



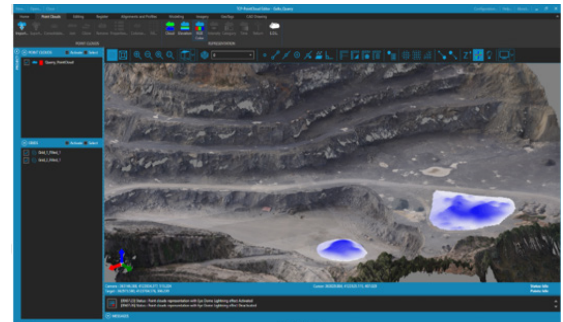
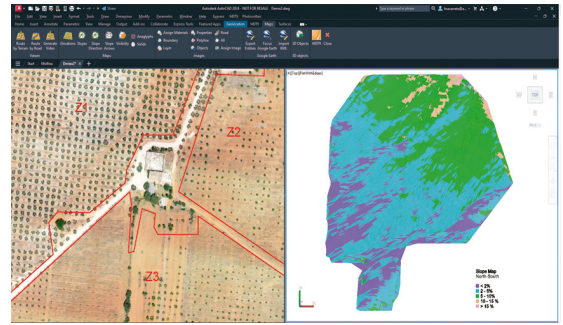


Photovoltaics Module

tcpMDT PV works on the professional version and is aimed at optimising earthworks in solar plants on complex terrain, performing calculations on different types of trackers.

Point Clouds

tcpMDT 26 allows you to work with point clouds and LAS/LAZ files to generate surfaces, meshes, and terrain models. It is complemented by Tcp PointCloud Editor, a desktop solution for management, segmentation and advanced classification of point clouds.



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 2027 (64 bit) progeCAD® Professional versions 2025 to 2026 (64 bit) ZWCAD® Professional/Enterprise versions 2021 to 2026 (64 bit)
Operating System	Windows 10 / 11 on x64 architecture
Peripherals	Mouse 3 buttons + wheel or pointing device
Graphics Card	1920x1080 pixels, OpenGL 3.3 or higher support Nvidia or ATI chipset recommended
Hard Disk	20 Gb of free disk space
Minimum Memory	16 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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