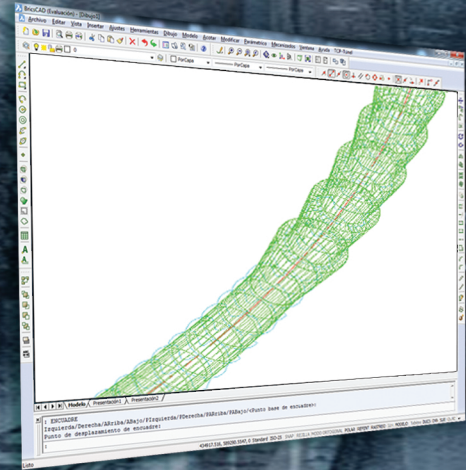# Tcp**TUNNEL** CAD

TcpTUNNEL CAD Tunnel data processing

The software working under CAD, allows to process data gathered from total stations running TcpTunnel or other programs
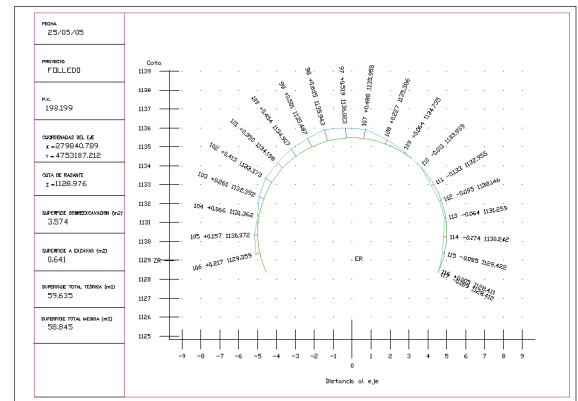

Project definition

Every project is compound of an horizontal and vertical alignment, superelevation, templates and point files, supporting different formats.

Templates

Templates can be defined by parameters or selecting a polyline in CAD. It is possible to apply different templates to intervals of alignment and interpolate their dimensions.
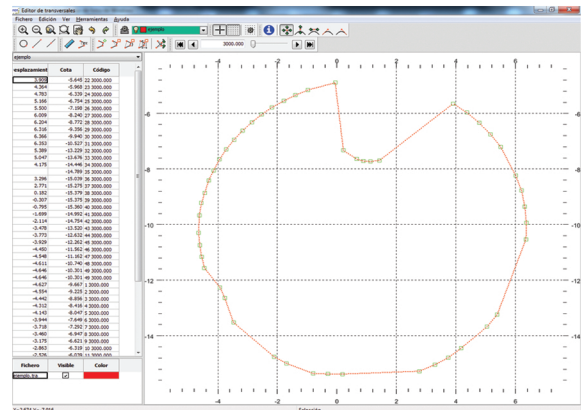
Cross-section drawing

The measured cross-sections can be computed from points, and is possible to draw in CAD, in individual mode or by sheets. There are options to label differences between project and measured cross-sections as well as station, heights, areas, etc. It is possible to create a 3D view of measured cross-sections as a wireline drawing.

Cross section editing

The powerful cross-sections editor has tools for erasing, adding or moving points before drawing.

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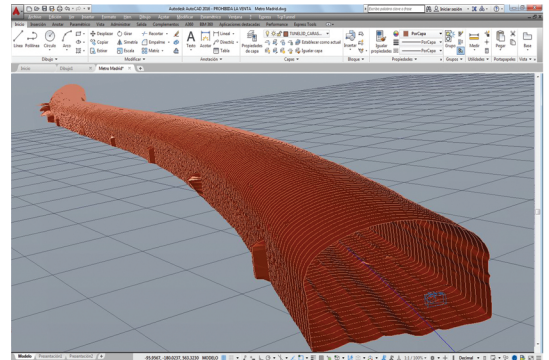Surveying and
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TcpTUNNEL CAD

Volume Calculation

The program computes volumes of under and over-excavation by comparing project and measured cross-sections. Reports can be generated and printed or exported to Excel and other file formats.

3D Model Generation

TcpTunnel CAD creates a 3D model of the tunnel that can be rendered in realistic mode and exported to several file formats. Another command helps you to walk through the alignment and create an animation.

Requirements [1]

Operating System	Windows 7 ,8, 8.1, 10 in 32 and 64 bits
CAD	AutoCAD versions 2010 to 2018
Hard Disk	1Gb of free disk space
Memory	Minimum 3Gb
Processor	Dual-core 2Ghz or better

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

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