



ANALIST 2018

LAND SURVEYING SOFTWARE

Analist enables you to efficiently manage your entire land administration project from conception to completion. The benefits of implementing the Complete Analist mapping solution technology in land administration activities include:

- Increased productivity
- Reduced project costs
- Consistent, reliable, and accurate data
- Reduced data processing time
- Completion of work faster than conventional methods
- Data conversion into powerful actionable information
- Drastic reduction of error margins
- Enhancement of all from-field-to-office operations
- Improvement of workflows

The Professional Software for Land Surveying

Analist is the innovative software for 2D and 3D design, Topographic Surveys and for Modelling 3D Surfaces Modelling. It's the innovative, versatile and most accurate Topographic and Land Registry Software available. It is the most valid tool for all professionals involved in Civil Engineering and Topography.

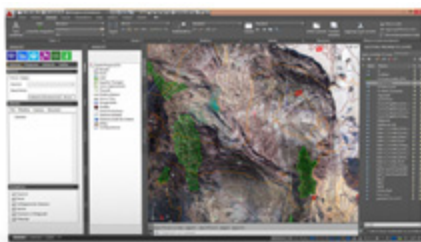
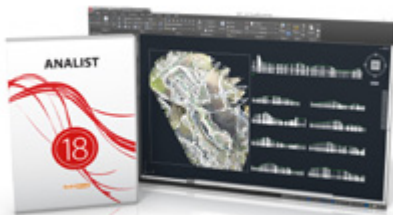
It offers the advantage of obtaining automatically Land Digital Models, Contour Lines, Profiles and Sections, Volume Calculation, Land Levelling and more.

Based on the Autodesk Technology

Analist Group is proud Partner to Autodesk. With Analist 2018 CLOUD based on the Autodesk CAD technology workflows become fast, simple with the highest performance. The Analist interface is user friendly and all professionals using the Autodesk technology will feel most comfortable and at ease with Analist.

Topography and Survey Management

Analist 2018 CLOUD manages all topographic tasks in the most simple way. All data processing and managing are immediate, fast and most precise.



Analist Functions

Topography and Land Registry

- Importation data from GPS and Celerimetric Instrumentation;
- Celerimetric, GPS and mixed survey management;
- Alignment angles measures management;
- Control Points Management;
- Graphic Stations Insertion;
- Measurement creation on existing stations;
- Survey Points editing/insertion;
- Topographic points management advanced functions;
- Linked Codes automatic creation;
- Codes and Symbols description;
- Rototraslation of Survey on Control Points;
- Advanced Coordinate Creation;
- Coordinate transformation in different geographic systems.

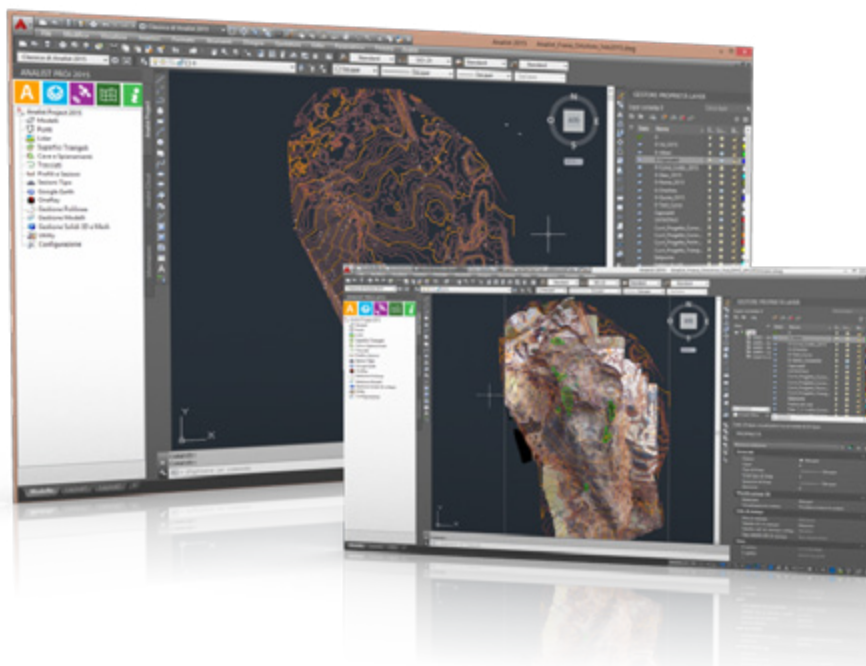
Georeferencing

- Rototraslation of survey models as well as maps from coordinates into a new system are possible with Analist 2018 CLOUD.
- Cadastral Maps Insertion;
- Insertion of 3 or more Control points of real coordinates;
- Barycentric georeferencing with margins obtained report;

Model importation and Exportation from and to Google Earth

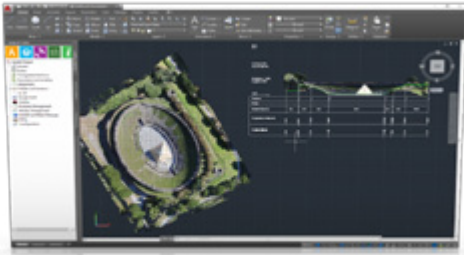
With Analist 2018 CLOUD you can interface with Google Earth, select the geographical area of interest and import the digital terrain model. This way you will be able to carry out preliminary studies, environmental impact, profiles and sections on the digital model.

- Google Earth Images or DWG exportation (ReMap);
- Survey Maps Visualizing;
- DWG exportation on Google Earth;
- Survey Maps or DWG georeferencing on Google Earth;
- KMZ file creation;
- GPX (Garmin) flie creation;
- Gauss Boaga, UTM and Cassini Soldner coordinates exportation on Google Earth.



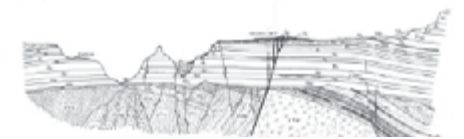
Topographic Planning

Land Modelling

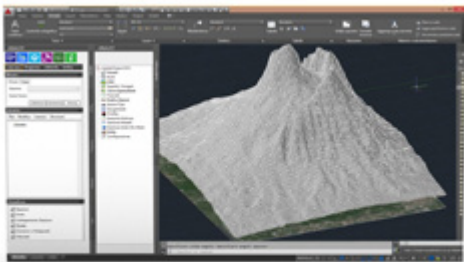


With Analist you can achieve land modelling, creation of Level Curves, Profiles and Sections, Volume Calculation and more. Starting from a spot height map and defining the 3D polylines it is possible to obtain a model of the land automatically on which further operations can be very easily carried out, from colour maps on the basis of the portion, inclinations, margins and insertions of holes.

Profiles and Sections



With Analist it is possible to automatically draw Land longitudinal profiles and obtain cross sections, their management is dynamic and automatic. You can run the redesign of the various elements whenever you need considering the parameters of height, scale, colour, and so on.



The development of profiles and sections can be obtained directly on a sequence of points detected or after processing the plane into triangles.

In the design for Sections Analist 2018 CLOUD provides the sections of the Project. Sections of the Project are easily modified and positioned as desired. In addition, from the design thus obtained calculation of volumes for Sections adjusted can very easily be obtained.

Model Importation from Google Earth

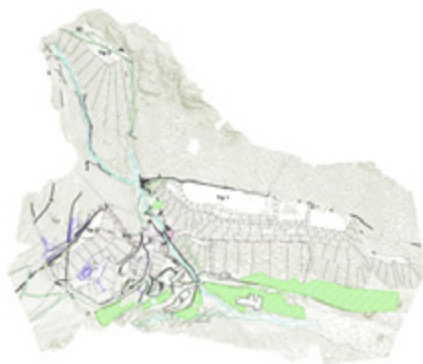


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Land Levelling and volume calculation

The Analist Modelling functions allow you to plan extremely easily any type of surface and in an interactive way with immediate 3D representation of the result.

Quarries and levelling

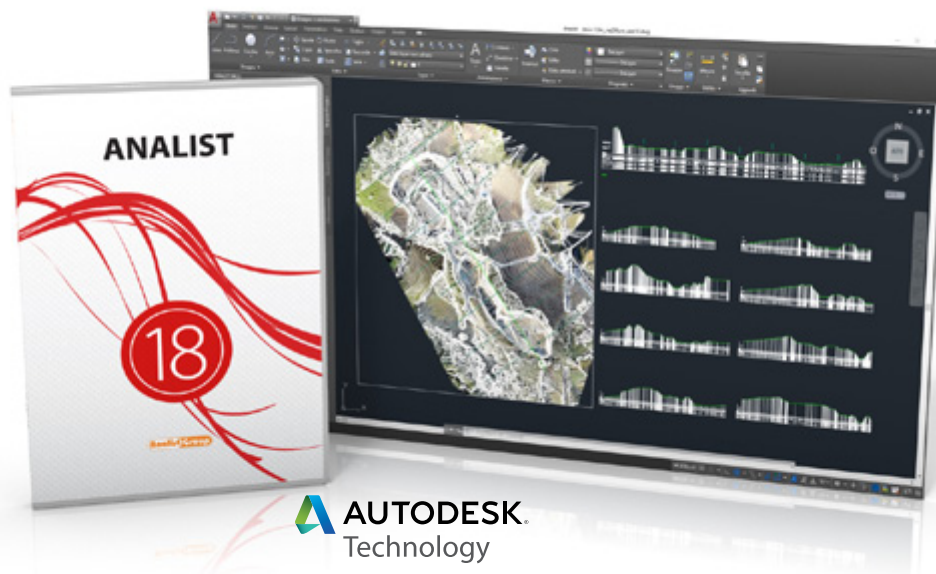


Once the surface, the steepness of slopes in excavation and the embankments the base of levelling have been set you can automatically obtain the profile of the land and the TIN model project. Calculation of Volumes can be carried out between a model (TIN) and a plane (which can be horizontal or inclined) to confront two models.

Analist Functions

Analist offers a complete integrated solution to address your full work process and unique challenges in the field.

- Surface creation
- TIN Models Management
- Level curves Creation
- Advanced Functions for Level Curves Management
- TIN extracting models
- Exportation for OneRay
- Models Union
- Point Importation from ASCII files
- Level curves Extraction
- Ground longitudinal profile automatic drawing
- Cross section development
- Sections project design
- Automatic or manual section positioning on profiles
- Profiles and Sections Dynamic Viewing
- Topographic Profiles Management: calculation, design and dimension
- Surface Section design: TIN models, points, etc
- Volumes calculation among models
- Topographic sections management
- Cross Section design
- Automatic Pit Creation
- Automatic Terraced Surface Creation
- Importation Land model from Google Earth
- Block Sections automatic insertion
- Profiles and Sections design
- Quarries and Mines



AUTODESK
Technology

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