

[www.terrasolid.com](http://www.terrasolid.com)

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# INTRODUCTION to Terrasolid software

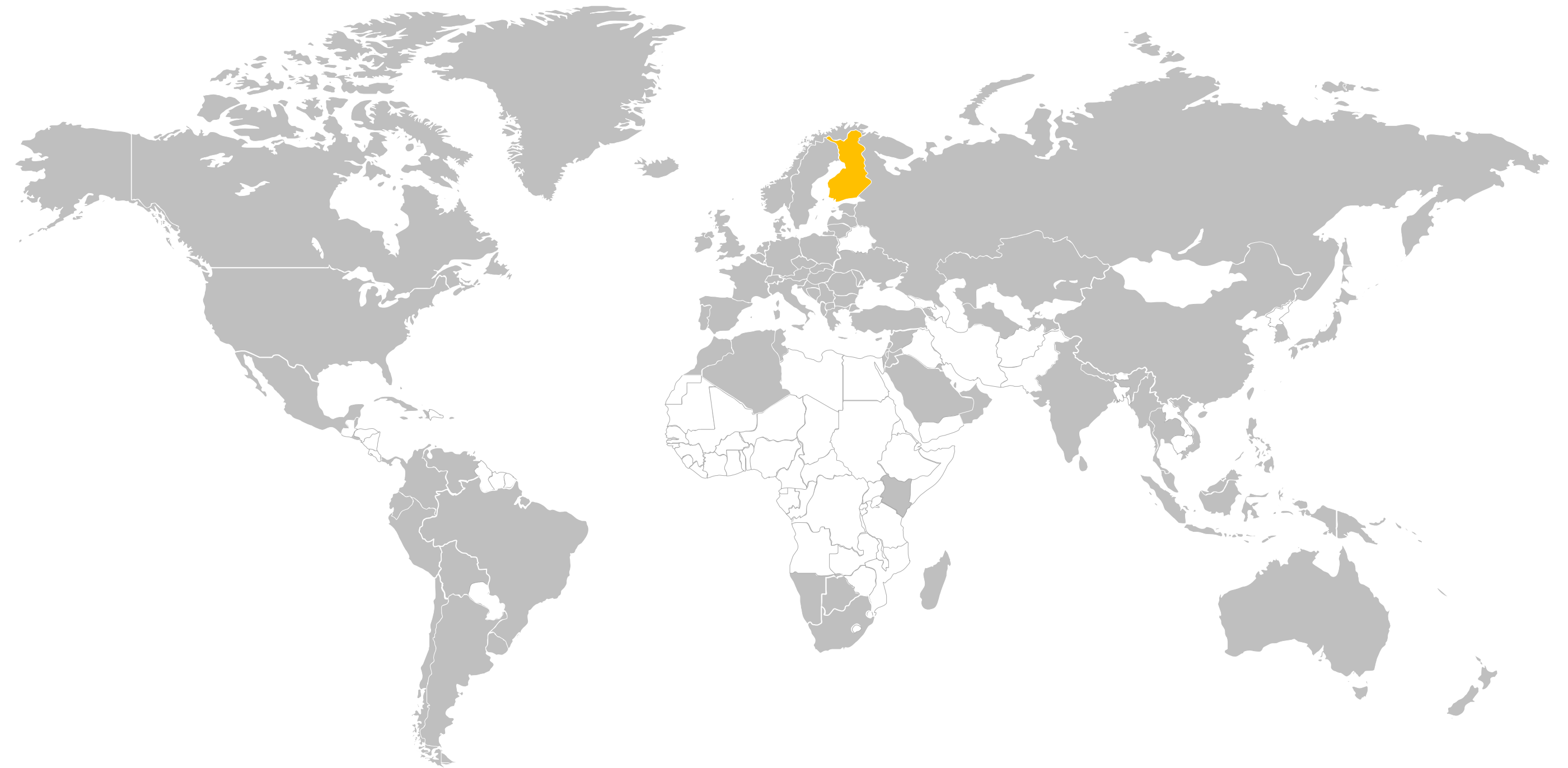
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Technical Support Engineer



# ABOUT Terrasolid

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- Founded in 1989, privately held
  - Based in Finland
- 30 years of software development
- 20 years of point cloud software development
  - Revenue 2019 14,8 M€
- Over 4500 TerraScan licenses sold to more than 2700 customers
  - Global presence - customers in over 90 countries
- Global market leader in airborne and mobile laser point cloud processing with an estimated 85% market share



## DATA SOURCES

**Airborne**  
**Mobile**  
**UAV**  
**Handheld**  
**Backpack**  
**Terrestrial**  
**LiDAR**

**Photogrammetric  
point clouds**

## APPLICATION FIELDS

**3D City models**  
**Building vectorization**  
**BIM**  
**Orthophotos /Wall textures**  
**Integration of DTM, vector models,  
point clouds and imagery**  
**Tree mapping**  
**Mapping and Observation**  
**Roads, Railways, Power lines**  
**Open mines, Forests**  
**Topographic mapping**

## SOFTWARE TOOLS

**Calibration and  
adjustment**  
**Merging point  
clouds**  
**Point cloud  
classification**  
**Image data  
processing**  
**Vector data  
production**  
**Data analysis**  
**Visualization**



**TerraScan**

MANAGE AND PROCESS POINT  
CLOUDS EFFICIENTLY IN A HIGHLY  
AUTOMATED MODE



**TerraMatch**

THE ULTIMATE TOOL TO IMPROVE  
THE ACCURACY AND QUALITY OF  
RAW POINT CLOUDS



**TerraModeler**

SURFACE MODELLING AND TERRAIN  
MAPPING WITH CONFIDENCE



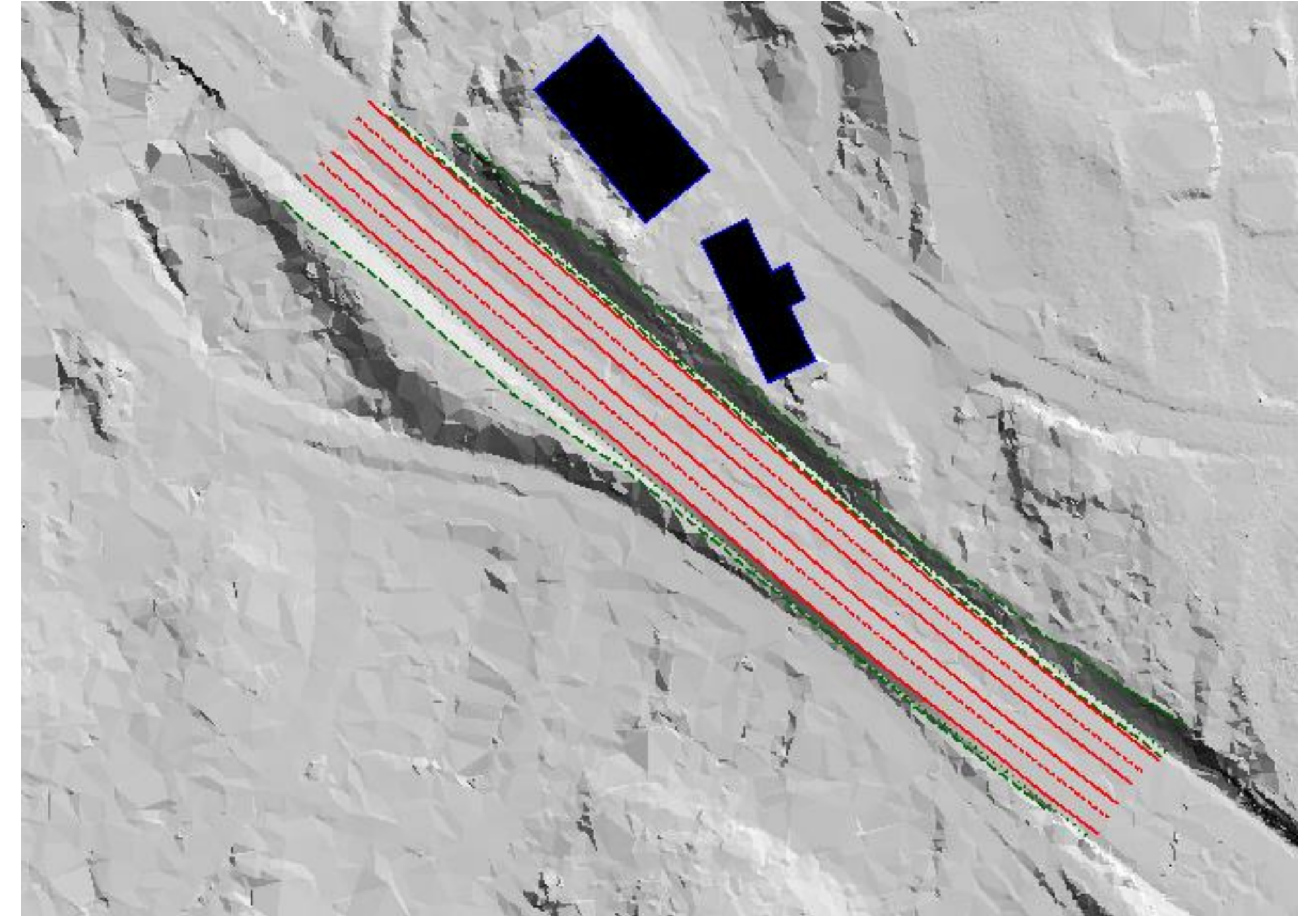
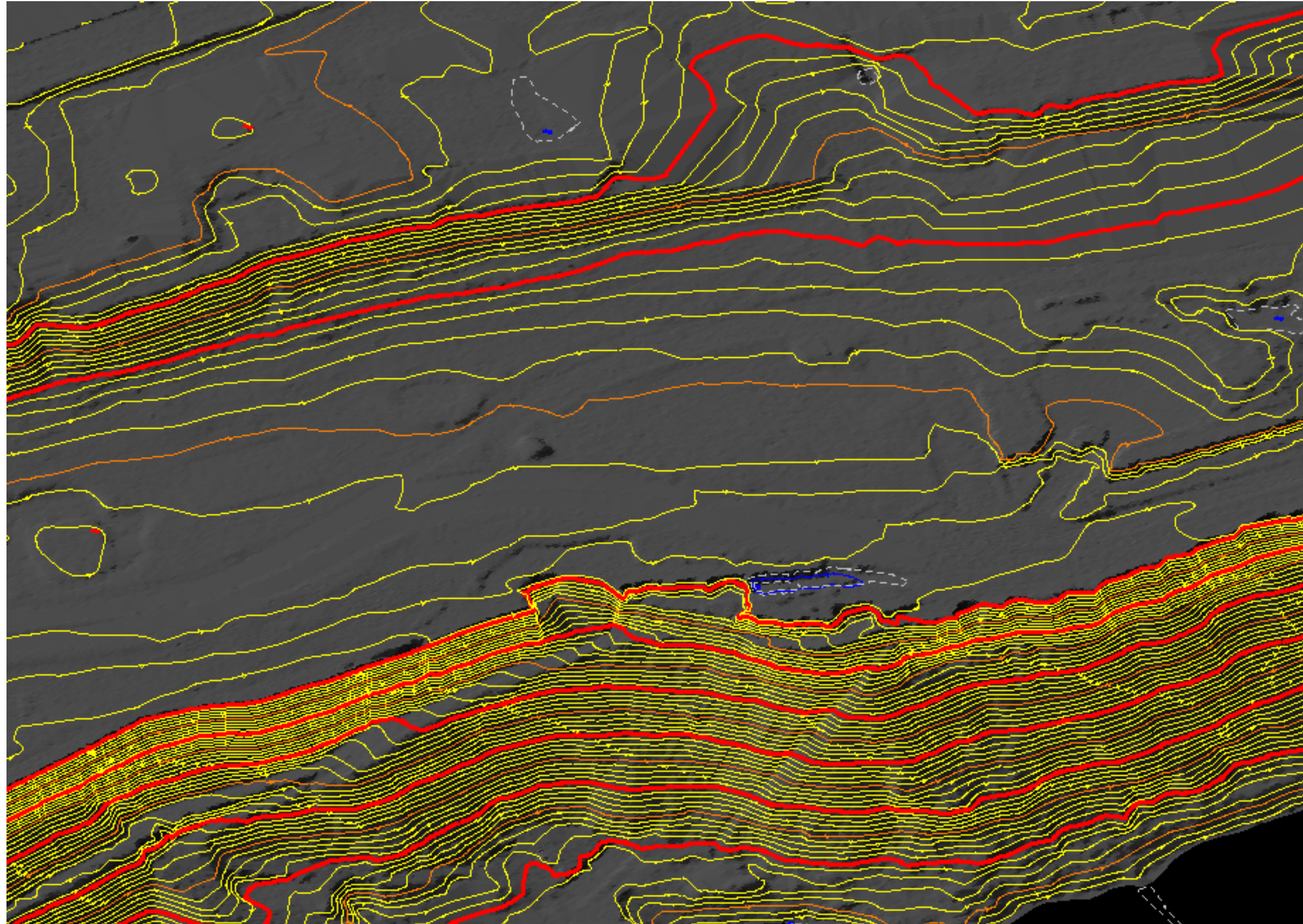
**TerraPhoto**

POINT CLOUDS ACCOMPANYING  
IMAGE PROCESSING SOFTWARE



# TerraModeler

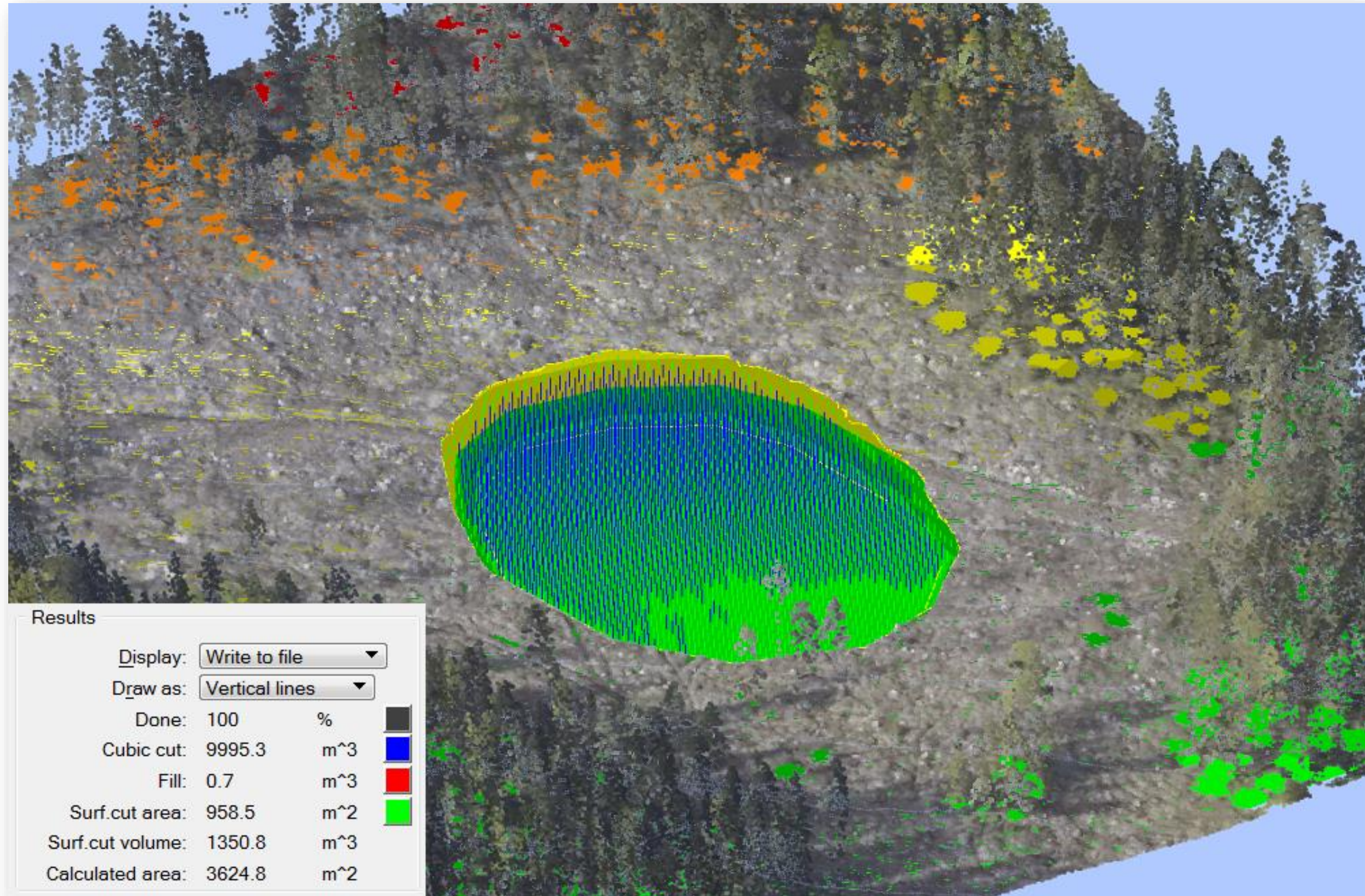
Creation and visualization of surface models





# TerraModeler

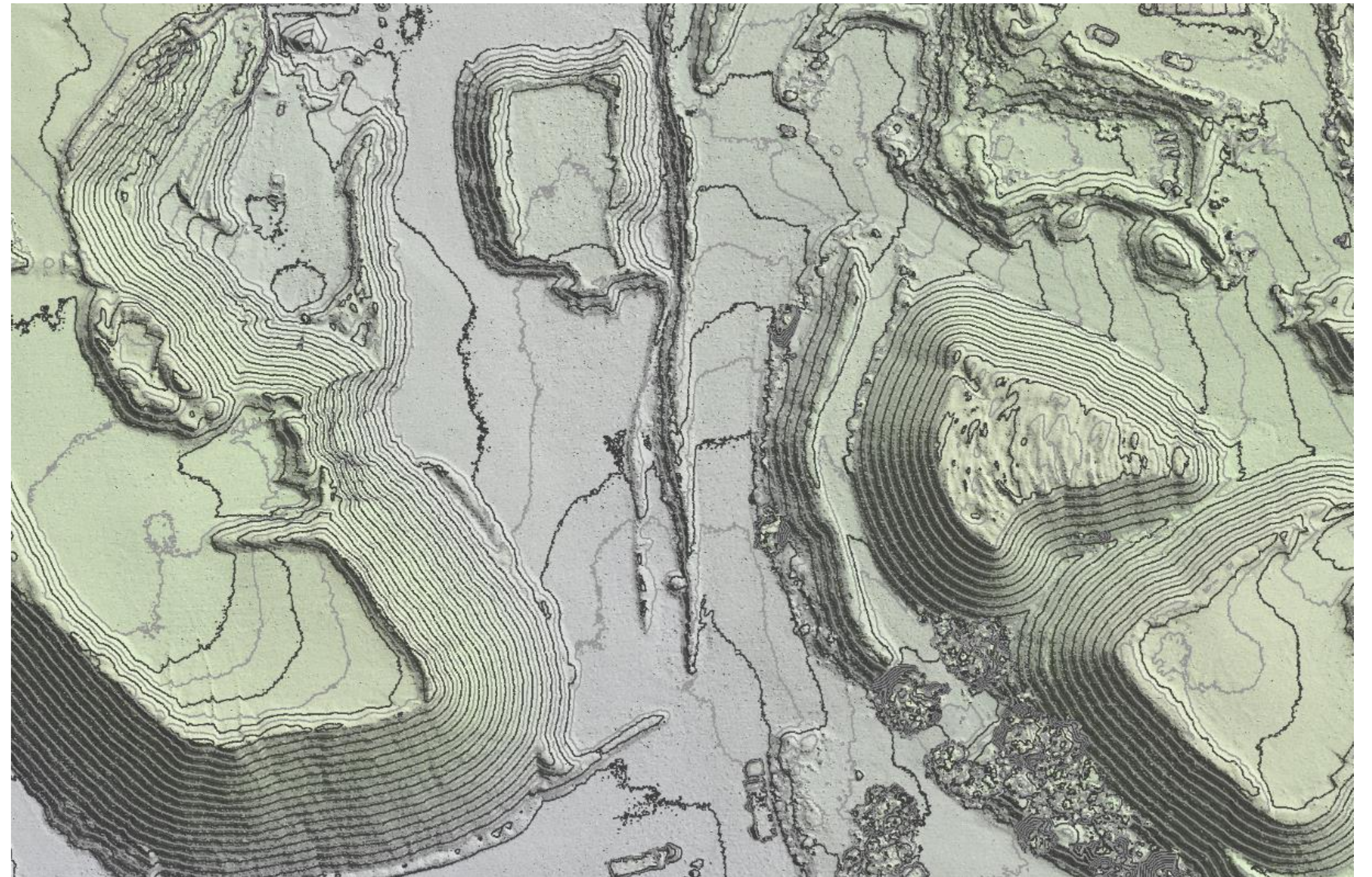
volume computation





# TerraModeler

- create, edit, and utilize surface models;
- visualization options including colored shaded surfaces, contour lines, grids, colored triangle nets, elevation texts, slope directions and textured surfaces (in combination with TerraPhoto);
- calculation of volumes.





# THANK YOU!

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