

TerrainTools®

ENGINEERING & 3D MAPPING Software

More than just mapping. 3D mapping for engineers.

TerrainTools®

3D mapping and site design software. Create 3D terrain models and engineering designs for a wide variety of projects.

With Terrain Tools you can:

- Work with a wide variety of survey data formats
- Import and combine multiple georeferenced data sources
- Create digital terrain models with contours
- Calculate Stockpile and various earthwork volumes
- Design Graded Pads
- Design Ponds
- Design pits with benching
- Fix crossing breaklines
- Create a cut/fill maps
- Create output sheets
- *And so much more!*

Engineering an Easier Way

Proven and field-tested, our software is used by thousands of consultants, companies, universities and governments worldwide. Our software works hard behind the scenes so that our users can always enjoy a simple and intuitive interface.

Compatible

Clean, simple and standalone, Terrain Tools allows information to move seamlessly between other applications, including Office®, ArcGIS®, and AutoCAD®. It also works with a variety of field equipment, such as GPS, laser guns, and Windows 10 tablets.



COMPATIBLE



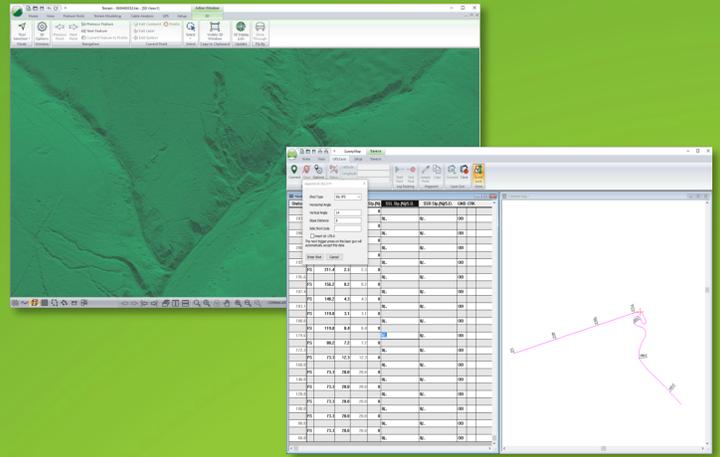
FAST



POWERFUL

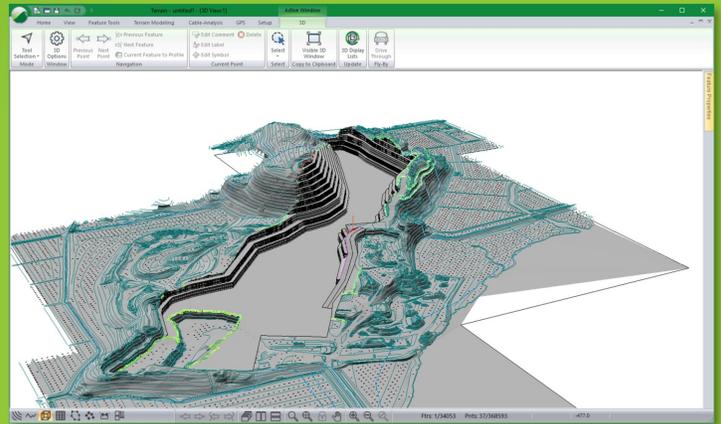
SURVEY DATA ENTRY & MANAGEMENT

Import and management of a variety of survey and file formats, including: total station, LiDAR, ASCII, DWG, DGN, USGS DEM, LandXML and image formats (TIFF, BMP, JPG). Total station data can be included with automatic control of linear features, breaklines and symbology.



DIGITAL TERRAIN & SURFACE MODELLING

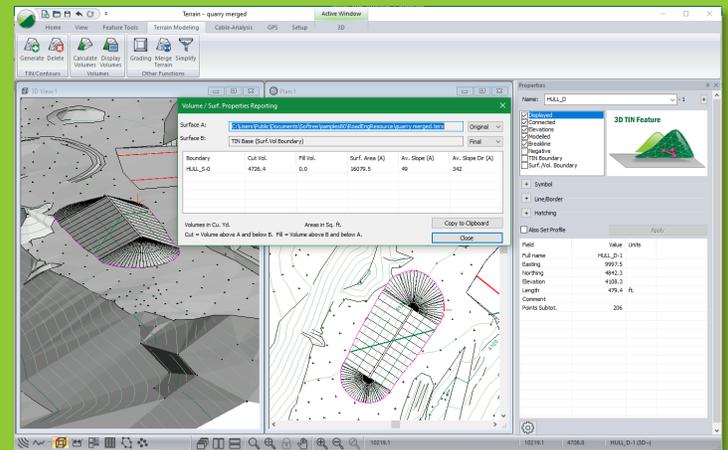
Terrain Tools includes a complete set of functions for creating a 3D surfaces and Digital Terrain Model (DTM), including break lines and boundary areas. Contours can be generated at user specified intervals with full control of color, line types and labels. Contours can be updated at any time.



EASILY CALCULATE EARTHWORK VOLUMES

Calculate stockpile and other earthwork volumes using average end-area method. Easily calculate volumes between entire surfaces or with a single surface defined by a boundary polygon.

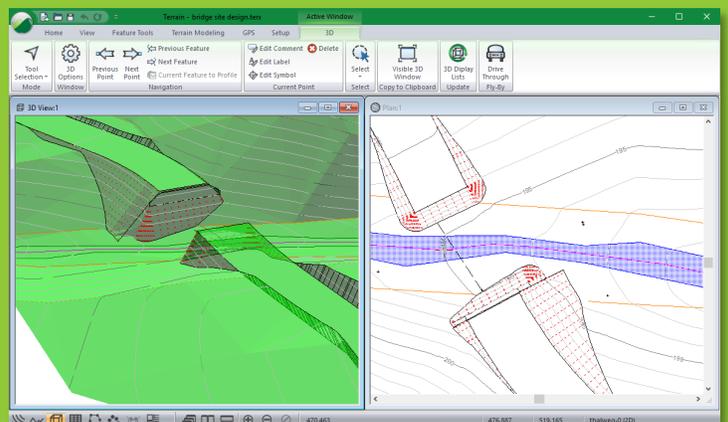
Set a boundary feature and determine the polygon's surface properties (surface area, volume, average slope and aspect).

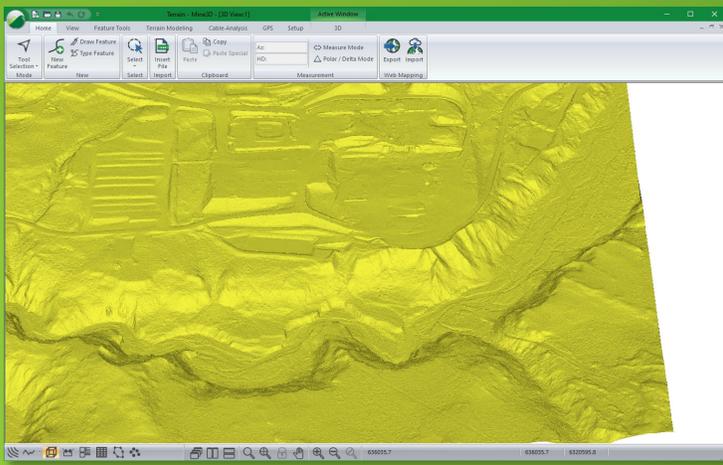


SITE DESIGN & GRADING FUNCTIONS

Terrain Tools contain tools for creating site plans for bridges, major culverts, fish passage and stream restoration projects.

Site design is made easy with intuitive grading functions, feature creation and design of polygonal shapes such as ponds, pads, pits.

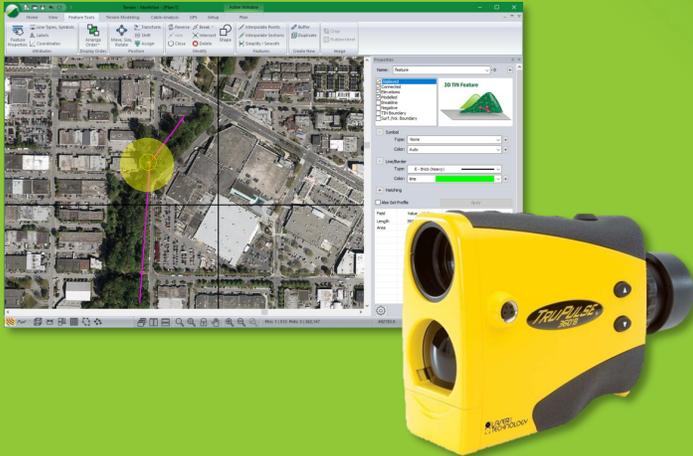




LIDAR IMPORT & THINNING CONTROL

Create surface models from large LiDAR and UAV datasets. Terrain Tools handles more than 10 million LiDAR points with ease.

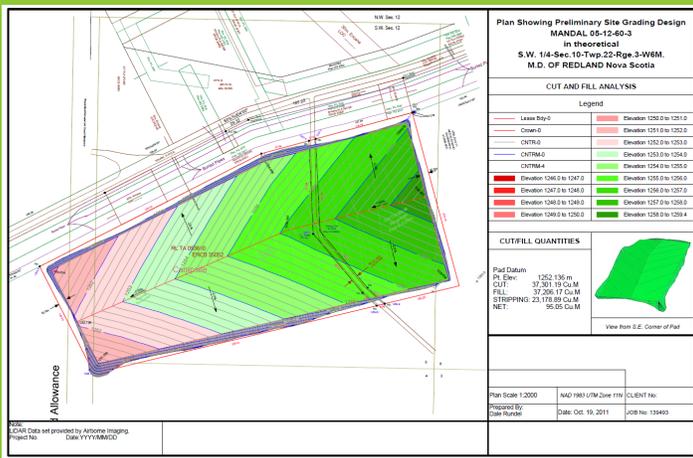
The software include a variety of functions for LiDAR thinning, including thinning outside an area of interest (polygon, coordinate range, corridor).



FIELD COMPATIBILITY: GPS & LASER

Designed to work on all Windows 10 enabled tablets. Terrain Tools is compatible with the Trupulse 360 laser rangefinder, and most internal/external GPS devices (NMEA & Garmin).

GPS integration in all modules allows you to view where you are in Plan, Profile, or Section view at any time. Create GPS tracks on your primary survey data.



Systems Requirements

- Windows 7, 8, 8.1, or 10 Operating System
- 2 GB system RAM (4 GB recommended)
- Minimum 800 x 600 resolution (more recommended)
- Processor or motherboard built-in video is adequate
- 1 GB disk space

File Format Compatibility

- **IMPORT:**
.TIF, .JPG, .BMP, .SHP, Mr.SID, ECW, LAS, .LAZ, .GPX, .GML, .ASCII, Excel, .DXF, .DWG, USGS DEM, SDTS, .TXT, .CSV, LandXML, .DGN, .KMZ, .KML, .POL, .JP2
- **EXPORT:**
.SHP, .ASCII, Excel, .DXF, .DWG, .JPG, .DGN, .KMZ, TIF, JPG, BMP and LandXML.

KEY BENEFITS



Quick learning curve

Be up and running in hours with little or no training with Terrain Tools' easy user interface.



Powerful for big datasets

Comfortably processes LiDAR data sets with millions of points. Setup boundaries and selectively thin points.



Engineering design functions

More than just mapping. Functions include: site grading, earthwork structure design and calculations.



Easy user-interface

When it comes to menus, dialogs, modes, buttons and options our philosophy is "the fewer the better".



Compatible

Move information seamlessly between other applications with DWG, Shape and LandXML formats.

1,500+ Companies | 5,000+ Users | 70+ Countries

Call us Toll Free at **1.866.519.6222** or **1.604.519.6222** (International)
Email us at **sales@softree.com** | Visit us at **www.softree.com**



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