

Forest Engineering Software



RoadEng®

Terrain Tools®

Practical Simple Solutions

Softree is recognized as a leader in providing forest engineering software solutions. Proven and field tested, our software is used by 1000's of consultants, companies, universities and governments worldwide.

All our products are practical and easy to use! They are not limited to computer specialists or CAD operators. We recognize that most forestry professionals spend the bulk of their time in the field, not in front of a computer screen. That's why we've put a great deal of effort into keeping our software simple and intuitive. When it comes to menus, dialogs, modes, buttons and options our philosophy is "the fewer the better".

Existing Technology

Softree products integrate well in the modern forestry office. Clean, simple and standalone, they allow information to be moved seamlessly between other applications such as Microsoft Office® or ArcView®.

Our software works with a variety of field equipment such as GPS devices, laser guns, handheld computers and other data collection devices.

The Bottom Line

It is well known that good engineering can reduce road building and logging costs. That's where we can help. By making foresters and engineers more productive both in the field and in the office we are helping forest operations increase harvest efficiency.



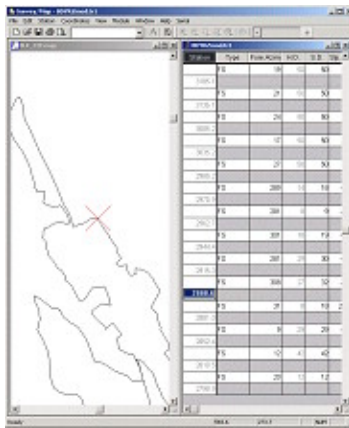


Field Data Collection

Terrain Tools CE allows you to enter and verify traverses in the field using a hand held computer. Once you get back to the office, connect the handheld device to your desktop computer and your ready to go. In addition to saving time in the office, you can check your surveys before you leave the field!

The Traverse screen operates like a spreadsheet, allowing you to enter data. Bearings, distances and slopes are checked as you enter them. It's quick and easy. A map consisting of one or more traverses can be displayed. A profile view can also be generated in the display area at the bottom of the screen.

- Easy entry of bearing, distances slopes.
- Side shot entry for roads.
- Map display and closure error.
- 'Look and feel' and file compatibility with desktop version.
- Compatibility with a variety of handheld hardware devices.
- Interface to laser measurement devices.
- Profile display.
- Background display of images such as air photos and scanned maps.
- Cable deflection calculation and display.

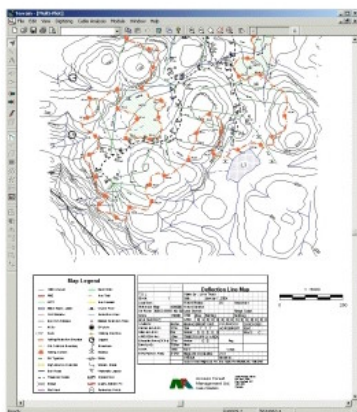


Survey Data Management

A complete range of survey data management facilities are provided. Traverses can be entered in the desktop Survey module directly or downloaded from a handheld. Boundaries, tie lines, cable deflection lines, road and site surveys can be entered in a variety of formats.

A plan window allows the forest engineer to quickly review one or more traverses. Cursor tracking in the plan window makes it easy to navigate through the field notes.

Traverses can be closed, adjusted, shifted and joined in a variety of ways. Raw data, reduced coordinates, closing errors and areas can be displayed, printed or exported to external software such as Microsoft Excel® or ArcView®. GPS coordinates can also be combined with conventional compass and tape survey.



Mapping

The Terrain module provides a quick and easy mapping package ideally suited for the busy forest engineer who is not a GIS specialist. Features can be selected, edited, formatted and manipulated by name, coordinate range, property or layer. Operations are provided to move, scale, rotate, intersect, break, join and offset features. CAD functions are provided for control of color, linetype, symbols, hatching, and annotation of distances, bearings, stations etc.

Functions by Product

	Terrain Tools		RoadEng	
	CE	Forestry	Forest Engineer Lite	Forest Engineer
Terrain CE Base Windows CE handheld - field note entry, plan, profile display.	✓			
Windows CE handheld - cable logging profiles and deflection calculation.	✓			
Windows CE handheld- interface to laser guns (RS232 and Bluetooth).	✓			
Terrain Base Includes basic mapping and CAD functions. Import of TIF, JPG, BMP, SHAPE, ASCII, MS Excel, DXF, DWG, USGS DEM. Export to ASCII, DWG, DXF, and SHAPE. GPS waypoint download.		✓	✓	✓
Terrain Multi-Plot – creation of output sheets.		✓	✓	✓
Terrain Digitizing – tracing areas and lengths from scaled maps.		✓	✓	✓
Terrain Profiles – display of profiles.		✓	✓	✓
Terrain Profile Drafting & Design – provides editing in the profile window.		✓	✓	✓
Terrain Surface Generation & Contouring – includes TIN generation and display.		✓	✓	✓
Terrain Volume Calculation & Reporting – volumes and surface area calculations.		✓	✓	✓
Terrain 3D Window – perspective display of 3D features and TIN surfaces.		✓	✓	✓
Terrain Image Adjustment – rubbersheeting images.		✓	✓	✓
Terrain Survey – traverse note entry, adjustment and display.		✓	✓	✓
Terrain Cable Analysis – payload and deflection calculations.		✓	✓	✓
Location Base Includes alignment design in plan, profile and section. Basic horizontal and vertical curves. Earthwork calculations, slope stake reporting and basic templates.			✓	✓
Location P-line Design – allows a design to be created from a p-line (station/offset x-sections).			✓	✓
Location Multi-Plot - creation of plan/profile sheets.				✓
Location Profile Sub Windows – mass-haul, ground type, side slope and other profile sub-windows.				✓
Location Culvert Editor – interactive editing of culvert position, length and skew.				✓
Location Auto Balance – automatic balancing of earthwork quantities.				✓
Location Sub Surfaces – subsurface display and volume calculations.				✓

call toll free
866-519-6222
 or visit us at
www.softree.com



Engineering an Easier Way