# Softree

## Forestry Option
# EDUCATIONAL LICENSE PROGRAM

## Program Overview

The Softree Educational Licensing Program is designed to address the needs of academic and educational institutions.

The program, with discounted pricing and free licensing for students, makes it simple for academic and educational institutions to acquire and use Softree products on and off campus.

**An industry leader.** Softree is recognized as a leader in forest engineering software solutions. Proven and field-tested, our software is used by thousands of consultants, companies, universities and governments worldwide.

### In This Booklet:

- Program Overview & Benefits
- Academic License Options
- Software Overview: RoadEng
- Software Overview: Softree Optimal
- Teaching & Support Resources
- Getting Started

# Program Overview & Benefits

Unlike many other civil design software options, our products focus on engineering over drafting. This enables educators to easily demonstrate the principles of geometric road design in a software environment that has been designed specifically for forestry applications.

## Quick learning curve
Have your students up and running in a few hours, not years... 90% of users do not require formal training.

## Focus on engineering
Designed to focus on engineering over drafting, our products can help you illustrate engineering principles in an intuitive & easy way.

## It's Free!
Students can get free access to software and training materials.

## Design start to finish
Allow your students to obtain a global view of corridor design, from survey data entry to output of finished designs.

## Compatible
Compatible with other engineering programs. Compatible with industry. Equip students with valuable software knowledge that can be applied in a variety of work environments.

# Academic License Options

There are three types of licensing options available:

| | EDUCATOR<br>Academic Classroom Licenses | INDUSTRY<br>Academic Industry-Use Licenses | STUDENT<br>Individual Learning Licenses |
|---|---|---|---|
| Intended Use | Academic Classroom Licenses (Annual lease): restricted to use by students and teachers in connection with on-campus classroom teaching only. | We recognize that many educators have industry-use applications that are outside their on-campus teaching and research functions. The Academic industry-use licenses are available exclusively to those educators requiring commercial licensing options. | Individual Learning Licenses (semi-annual lease): restricted to use by students on and off campus with work from home rights. *Commercial use (including internships) is strictly prohibited.* |
| What's Included: | The Lease includes the maintenance package, including free software updates, upgrades, and ongoing access to technical support.<br><br>Software options:<br>• RoadEng Forest Engineer<br>• Terrain Tools Forestry<br>• Softree Optimal | The license includes a 3-month tech support package. Annual maintenance can be purchased for a standard fee.<br><br>Software options:<br>• RoadEng Forest Engineer<br>• Terrain Tools Forestry<br>• Softree Optimal | The Lease includes access to basic technical support.<br><br>Software options:<br>• RoadEng Forest Engineer<br>• Terrain Tools Forestry<br>• Softree Optimal |
| Pricing | One Academic License at 50% purchase required, classroom network licensing available at no cost (FREE).<br>*Hardware costs apply (Network Keys etc.)* | 50% discount off list-prices.<br>*Additional discounts may apply.* | FREE. |
| # of users | Network options up to 100 users. | Single-use key or password options. | Single computer password access only. |
| Term | Educator Licensing—Perpetual Classroom Licensing—Lease Classroom licenses are time-limited, but may be renewed by an instructor for use during another semester upon request. | Perpetual licensing | Maximum 6-month lease. |
| Eligibility (Proof) Requirements | Letter indicating use on university letterhead OR link to faculty bio / course description on institution website. | Valid educational institution email address. | Student ID. |

# Software Overview: RoadEng Forest Engineer

Easy-to-use and specializing in forestry road design, RoadEng Forest Engineer is fast, easy to learn, and interactive. Design with P-line data, LiDAR, or GPS points. Calculate cable analysis. Create road designs as well as site designs.

*A Powerful Toolkit for Forestry Operations:*

- ✓ Survey Data Management
- ✓ Mapping
- ✓ Site Plans
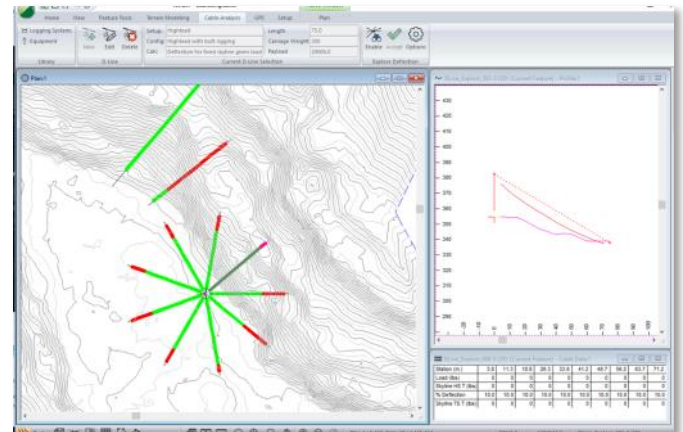- ✓ Cable Logging Analysis
- ✓ Road Design

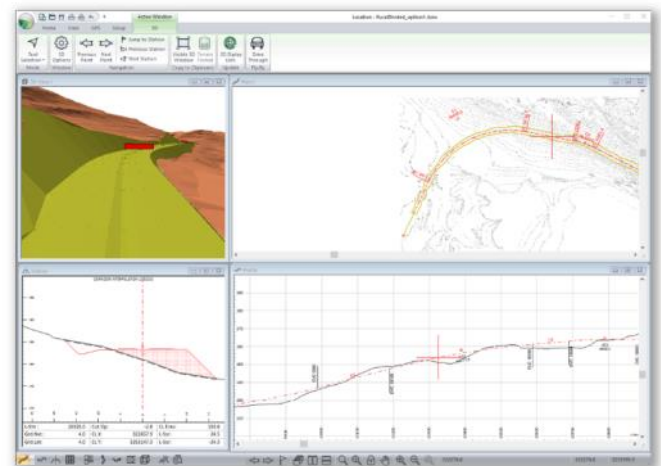## DESIGNED FOR FORESTRY.
## IDEAL FOR THE CLASSROOM.

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".

Softree software integrates well with the modern forestry office and with the modern forestry classroom.

Clean, simple and standalone, it allows information to be moved seamlessly between other applications such as Microsoft Office®, ArcView®, and AutoCAD®. RoadEng works with a variety of field equipment such as GPS devices, laser guns, handheld computers and other data collection devices.

*Cable Analysis*

*Road Design Module*

# Software Overview: Softree Optimal

The easiest way to reduce earthwork costs. Vertical alignment optimization software saves time & money with automated road & corridor design. Unlock the power of LiDAR data with the ability to quantitatively compare road locations based on cost. Experience forest road planning like never before.

*Key Benefits:*

✓ Save engineering time
✓ Quickly compare design variables
✓ Integrates into modern forestry workflows
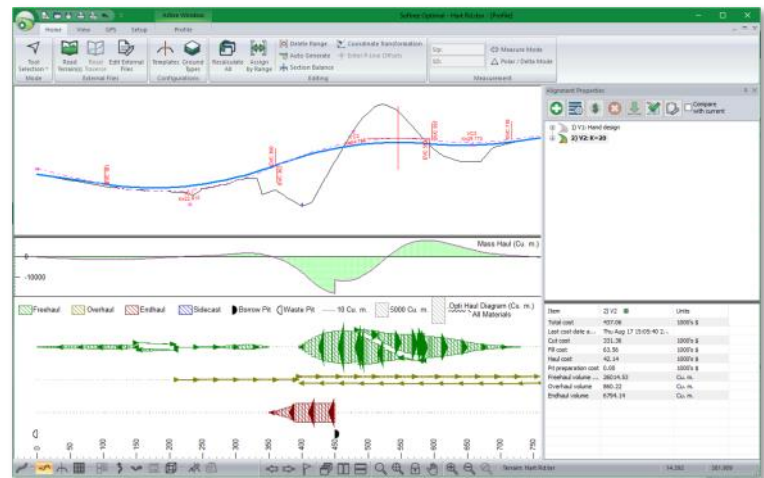✓ Maximizes the use of LiDAR

## A NEW WAY TO THINK ABOUT CORRIDOR DESIGN. A NEW WAY TO TEACH.

Based on 5 years of cutting-edge mathematical research in conjunction with the University of British Columbia, Softree Optimal proposes a new way of thinking about road design.
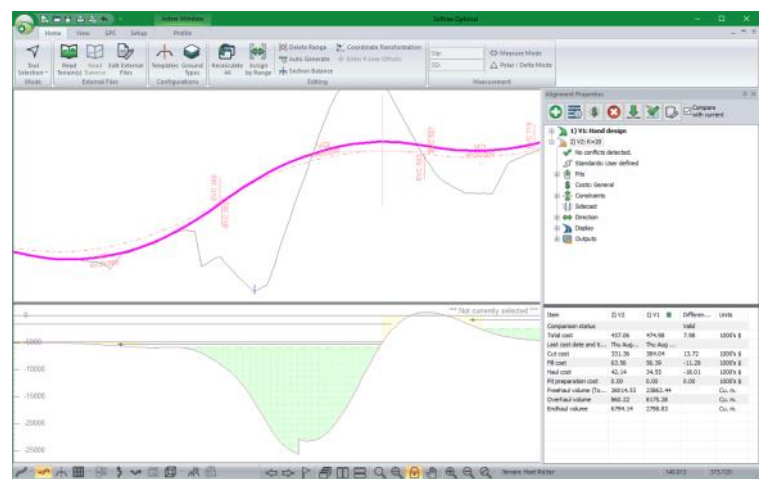
Softree Optimal minimizes road and corridor earthwork costs. It saves engineering time and construction expenses. Using sophisticated mathematics, it solves the complex 3D problem of minimizing excavation, embankment and haulage while meeting design constraints and standards.

For the classroom, Softree Optimal allows students to generate the optimal vertical alignment based on a given horizontal alignment and various design constraints. Explore the impact of design changes like never before.

Softree Optimal is fully user-controllable. All constraints are entered and managed by the engineer using the program. Curvature, grading, and a variety of other constraints are available to handle drainage and special fill conditions. The material movement costs (used to calculate an Optimal lowest cost) are also defined by the user.



*Understand the cost impact of changes to the Horizontal Alignment*



*Optimized Results (Thick Line)*

# Teaching & Support Resources

The easiest civil design software you'll ever use...or teach.

Resources available to learn & teach:
- Training materials and examples
- Training videos & webinars
- Software support & training for educators

# How to Get Started

Interested in bringing Softree products into your classroom? Here's our recommended approach:

**1** Evaluate your product options
- Get a free online product demonstration
- Experience the product on your own through a trial license
- Explore our online resources and knowledge base

**2** Contact our sales team:
- Email: sales@softree.com
- Phone: 604-519-6222 (international)
- Phone: 1-866-519-6222 (North America toll-free )

**3** Submit proof of your eligibility (*see page 3*)

**4** Our team will work with you (and your IT Dept) to get your classroom up and running.