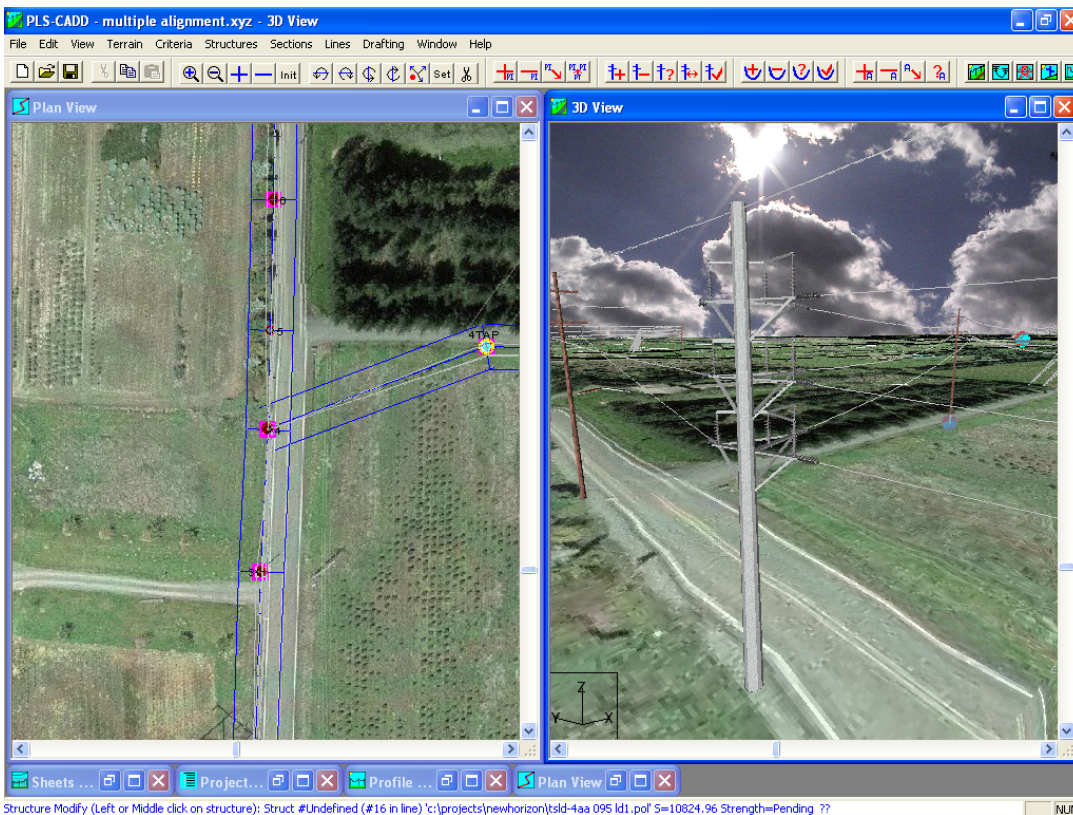


# PLS-CADD Seminar

## Design of Overhead Transmission and Distribution Lines using PLS-CADD



May 13 – 17, 2024

1:00 PM to 5:30 PM Monday  
8:30 AM to 4:30 PM Tues.-Thur.  
8:30 AM to 12:00 PM Friday

at

Power Line Systems  
5400 King James Way  
Suite 300  
Madison, WI 53719

**POWER LINE**<sup>®</sup>  
SYSTEMS

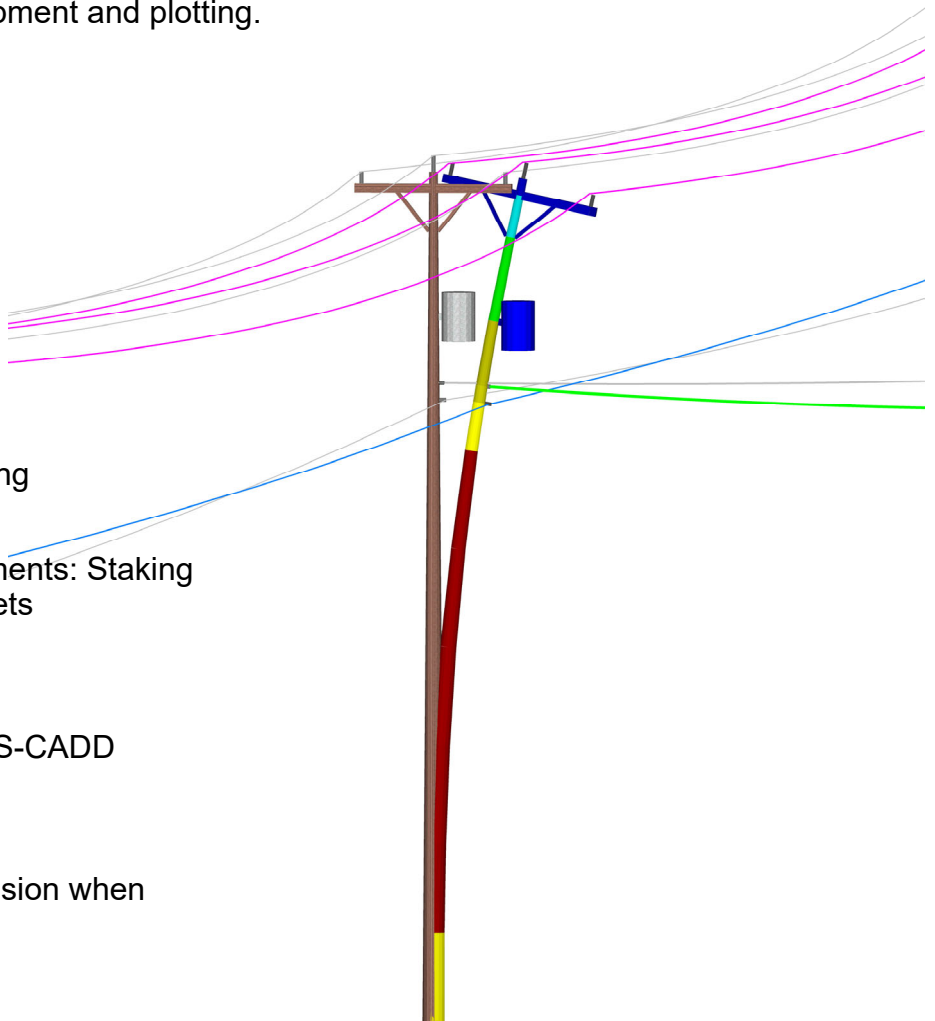
Power Line Systems  
5400 King James Way  
Suite 300  
Madison, WI 53719  
Phone: (608) 238-2171  
Fax: (608) 238-9241  
<https://www.powerlinesystems.com>

**Learn the Industry  
Standard in Overhead Line  
Design Software**

PLS-CADD is the industry standard in overhead line design and drafting software. This course will teach the attendee how to use PLS-CADD on a transmission or distribution project from start to finish, including importing survey data, criteria development, structure design, conductor sagging and Plan & Profile drawing development and plotting.

### Topics Covered

- General Overview
- Survey data/Terrain modeling
- Engineering
  - Design criteria
  - Sag-tension calculations
  - Clearance calculations
  - Structure calculations
  - Manual spotting and stringing
  - Automatic spotting
- Generating construction documents: Staking Tables and Plan & Profile Sheets
- PLS-CADD/LITE
- PLS-POLE
- PLS-POLE integration with PLS-CADD
- Transmission Lines
- Distribution Lines
- Use of Finite Element Sag-Tension when Ruling Span is not accurate



### Who Should Attend?

This course is open to all engineers and technicians whose companies currently use PLS-CADD or are considering purchasing it. The attendee should have some basic understanding of overhead line design concepts as the class focuses on the use of the software and not on the fundamentals of line design.

### Cost

The class costs \$2200 per person.

### More Information

A registration form is on the back of this brochure. Seats are limited to the first 25 registrants. We must receive payment and your registration form in order to reserve your seat.

Please see our web site at <https://www.powerlinesystems.com/classes> for other classes.

## Instructor



The course will be conducted by Jesse Kohler, P.E., Power Line Systems. He has more than 16 years of experience in transmission line design ranging from voltages of 69kV through 345kV and using the PLS software suite. Jesse is a registered Professional Engineer, is an active member of the IEEE Power Energy Society, and currently sits on Subcommittee 4 of the NESC. Jesse has been with Power Line Systems for more than 12 years providing technical support to PLS users in over 130 different countries around the world. In addition to technical support he also performs software testing, participates in the development of new software features, and leads PLS-CADD training courses. He has an extreme in-depth knowledge of the software's functionality and implementation.

## Details

The class will be held from 1:00 PM to 5:30 PM Monday, 8:30AM to 4:30PM Tuesday through Thursday and from 8:30 AM to 12:00 PM on Friday (training room opens 15 minutes before class start each day). The course will be conducted at Power Line Systems headquarters in Madison, Wisconsin (see map below). Lunch will be provided Tuesday through Thursday. Attendees are responsible for all other costs incurred including lodging. Please see <https://www.powline.com/visiting.html> for a detailed map of Power Line Systems location and listings of area hotels.



## Computers and Software Provided

This is a 'hands-on' class where attendees will be learning by actually using PLS-CADD. A computer and the latest PLS-CADD software will be provided by Power Line Systems for each attendee for the duration of the class.

*Any audio or video recording of the class is strictly prohibited.*



5400 King James Way, Suite 300  
Madison, Wisconsin 53719, USA  
Phone: (608) 238 2171 Fax: (608) 238-9241  
<https://www.powerlinesystems.com>  
[info@powerlinesystems.com](mailto:info@powerlinesystems.com)

PLS-CADD Seminar Registration Form

May 13 - 17, 2024 in Madison, Wisconsin, USA

*Each attendee must submit a completed form to register – please print.*

*Please email completed forms to **marc@powline.com** or*

*call 608-238-2171 to register over the phone.*

**Attendee Information**

Name (First/Last) \_\_\_\_\_ Phone \_\_\_\_\_

Company \_\_\_\_\_ Fax \_\_\_\_\_

Address \_\_\_\_\_ E-Mail \_\_\_\_\_

\_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**Payment Information**

Full payment is required prior to the class and must be received in order to reserve a seat. Seats are reserved on a first-paid first-reserved basis and are limited to 25 people.

Check No. \_\_\_\_\_

I authorize Power Line Systems to charge my \_\_MasterCard \_\_Visa for the amount of \$2200. Note that Power Line Systems can only accept MasterCard or VISA credit cards. All attendees will be supplied with a computer, the PLS-CADD software and hardware key to use during the class.

Cardholder Name \_\_\_\_\_ Signature \_\_\_\_\_

Card No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

CVC No. \_\_\_\_\_

Credit Card Billing Address \_\_\_\_\_

(if different than above) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**Cancellation Policy**

Confirmed registrants who do not participate or who cancel after April 13, 2024, will forfeit their entire registration fee. Power Line Systems reserves the right to cancel the training session and will refund the entire class registration fee in the unlikely event this happens.