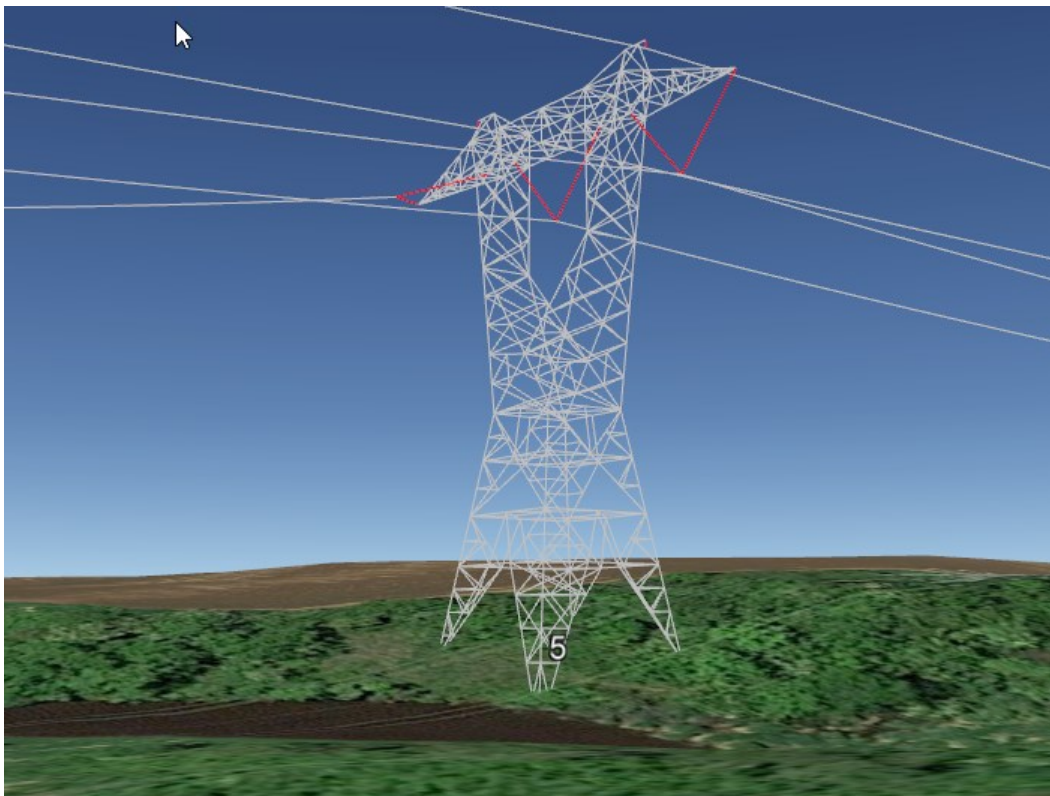


Advanced PLS-CADD Seminar

Advanced Topics for Design of Overhead Transmission and Distribution Lines using PLS-CADD



POWER LINE[®]
S Y S T E M S

September 26 - 29, 2023

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

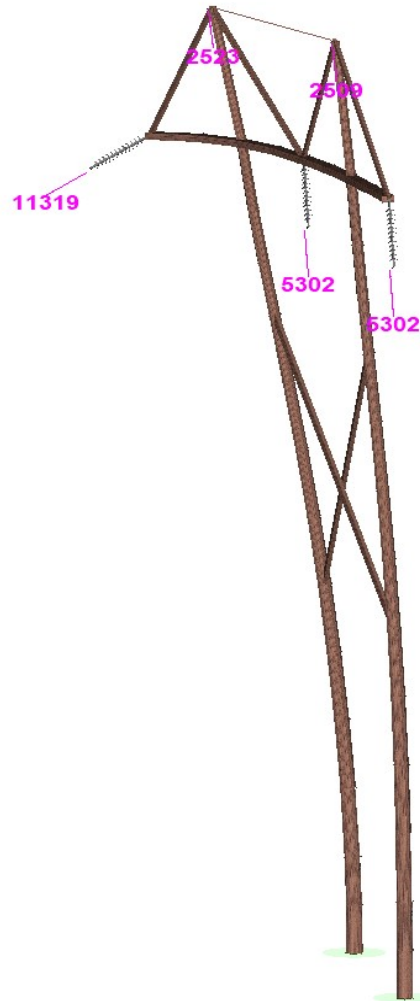
Power Line Systems
5400 King James Way
Suite 300
Madison, WI 53719
Phone: (608) 238-2171
Fax: (608) 238-9241
<http://www.powerlinesystems.com>

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 explore more advanced topics in PLS-CADD and PLS-POLE. The attendees will learn how to utilize and apply these advanced topics to their transmission or distribution projects and become more proficient in the use of the software.

Topics Covered

- Finite Element
 - Ruling Span & Finite Element analysis
 - Clipped vs unclipped insulators
 - Structural analysis (Levels 1, 2, 3 & 4)
 - Structure loads under RS & FE
 - Intact, broken wires, construction & maintenance, wind directions
 - Equalizing tensions
 - Taps & floating dead ends
- PLS-CADD
 - Circuits
 - Electrical features—Line constants, EMF, lightning protection
 - Graphical sagging
 - Jumpers
- PLS-POLE
 - Use of framings
 - Troubleshooting convergence issues
 - Modeling complex structures
 - Wood pole defects & more
- And more



Who Should Attend?

This course is open to all engineers and technicians whose companies currently use PLS-CADD. The intended audience is someone who currently designs transmission or distribution lines in PLS-CADD and wants to learn and apply more advanced features to improve their work.

Prerequisite

Basic PLS-CADD training course or equivalent experience.

Cost

The class costs \$2200 per person.

More Information

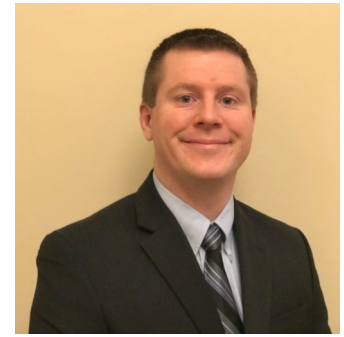
A registration form is on the back of this brochure. Seats are limited to the first 25 registrants. We must receive payment and your registration form in order to reserve your seat.

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



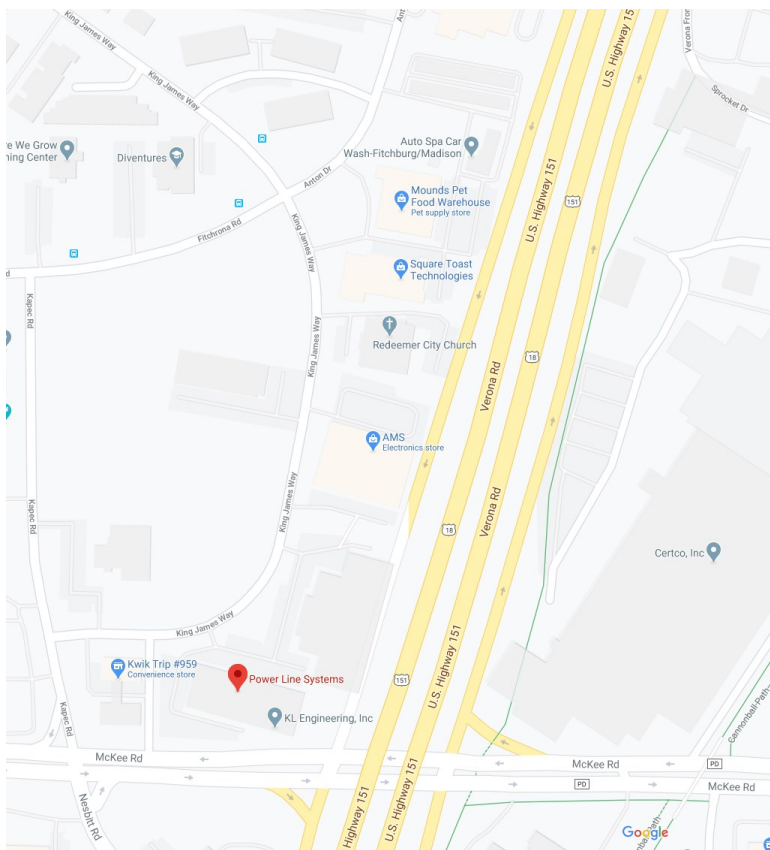
Instructors

The course will be conducted by Tim Cashman, P.E. and Jesse Kohler, P.E., Power Line Systems. The instructors have more than 45 years of combined experience in transmission line design ranging from voltages of 69kV through 500kV and using the PLS software suite and are registered Professional Engineers. Jesse is an active member of the IEEE Power Energy Society and currently sits on Subcommittee 4 of the NESC. Tim is an active member of ASCE and a member of the ASCE 10 standard committee.



Details

The class will be held from 8:30 AM to 4:30 PM 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, software license, and the latest PLS 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
http://www.powerlinesystems.com
info@powerlinesystems.com

Advanced PLS-CADD Seminar Registration Form

September 26 - 29, 2023 in Madison, Wisconsin, USA

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

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 September 1, 2023, 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.