Design of Overhead Transmission Lines using PLS-CADD

April 6 - 9, 2010
8:00 AM to 5:00 PM Tues-Fri.
at
Power Line Systems, Inc.
610 N. Whitney Way
Suite 160
Madison, WI 53705
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 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 integration with PLS-CADD and overview of TOWER
- Assessing existing lines for rerating and uprating
- Use of Finite Element Sag-Tension when ruling span is not applicable

**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 $1800 per person.

**More Information**

A registration form is on the back of this brochure. Seats are limited to the first 24 registrants. We must receive payment and your registration form in order to reserve your seat.

Please see our web site at [http://www.powline.com/news.html#training](http://www.powline.com/news.html#training) for other classes.
Instructors
The course will be conducted by Power Line Systems personnel with five or more years experience in the use of PLS-CADD.

Details
The class will be held 8:00AM to 5:00PM Tuesday through Friday (training room opens 15 minutes before class start each day). The course will be conducted at Power Line Systems headquarters in Madison, Wisconsin (point A in the map below). Lunch will be provided Tuesday through Friday. Attendees are responsible for all other costs incurred including lodging. Please see http://www.powline.com/visiting.html for a detailed map of Power Line Systems location and listings of area hotels. We have negotiated a discounted rate at the Madison Marriott West which also provides a shuttle bus to and from the class.

Class Materials
A PLS training computer will be provided for each attendee, but you may use your own computer if you prefer. In either case, hardware keys and the latest PLS-CADD software will be provided for the duration of the class. If you are bringing your own notebook computer then please have the current version (see http://www.powline.com/current.html) installed on your computer with your key working prior to your departure for Madison. The initial installation of the hardware key requires administrative privileges which may only be provided by your IT staff.
PLS-CADD Class Registration Form
April 6 - 9, 2010 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 24 people.
Check No. __________________________
I authorize Power Line Systems, Inc. to charge my   __MasterCard __Visa for the amount of $1800. 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_____________________
Credit Card Billing Address  _____________________________
(if different than above)  _____________________________
City  _____________________________  State _________ Zip __________

Cancellation Policy
Confirmed registrants who do not participate or who cancel after March 16, 2010, will forfeit their entire registration fee. Power Line Systems, Inc. reserves the right to cancel the training session and will refund the entire class registration fee in the unlikely event this happens.