TUESDAY 2025-05-20 – THURSDAY 2025-05-22

8:00 AM - 15:30+ PM

CENTRAL OSLO, NORWAY

CLASSROOM STYLE COURSE

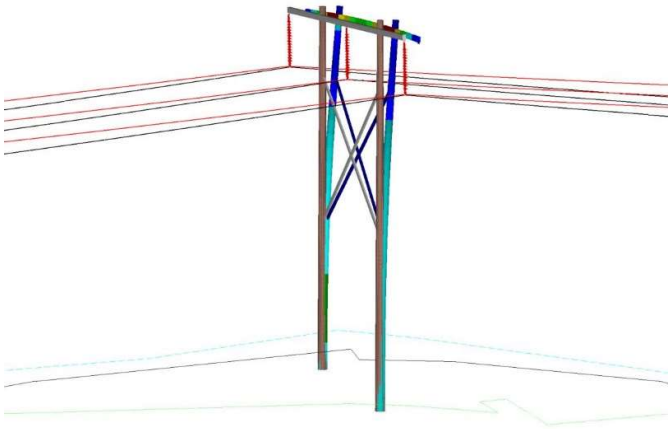
DESIGN OF OVERHEAD POWERLINE TOWERS USING TOWER

EFLA CONSULTING ENGINEERS
+354 412 6000 efla@efla.is www.efla-engineers.com

TOWER is the industry standard in overhead power line tower design. This course will teach how to model towers using TOWER from start to finish, including library creation, code setup, creating method 1, 2, & 3 structures, allowable swing angles, sketching and reporting, troubleshooting errors and warnings, and tower families.

Topics Covered

- Overview of the PLS Suite of Software
- Getting started
  - Preferences
  - Code selection
  - Restoring backup files
- Engineering
  - Components
  - Geometry
  - Loading
  - Checking and running
- Documentation
  - Sketching
  - Reporting
- Troubleshooting
  - Errors and warnings
  - Non convergence
- Tower families



Who should attend?

This course is intended for all tower design engineers who currently use or are planning to use PLS TOWER software. The attendees should have a basic understanding of power line design, the process, and concepts involved. The course is focused on the **use of TOWER** and no prior knowledge of PLS TOWER is required. The course does not cover the fundamentals of line design or integration into PLS-CADD; however, a separate course is available.

Cost

The class costs € 2100 + VAT per person. (Two thousand one hundred Euros + VAT)

Course Registration

A registration form is attached to this document. Seats are limited to the first 15 registrants. We must receive your registration and payment to reserve your seat. The completed registration form must be sent to post@efla.no Once the registration form is received, an invoice will be sent to you for payment to secure your attendance. For further information, you can contact viven@efla.no

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 15 people. You will receive an invoice after submitting your application.

Payment can be made directly to the EFLA account. Please send proof of payment and we will confirm receipt of your payment and space on the course. The attendee's name must be used as reference for the payment. If one batch payment is being done by a company for several attendees, contact EFLA for a reference number to be used for the batch payment. You will be issued an invoice upon registration.

Cancellation Policy

Confirmed registrants who do not participate or who cancel after 31st of March, will forfeit their entire registration fee. EFLA reserves the right to cancel the training session and will refund the entire class registration fee in the unlikely event this happens.

Details

- Practical, hands-on course, conducted in English.
- The course will take the form of a lecture focusing on core concepts of TOWER. Students will be given exercises to follow and complete during the day and will be assisted by the trainers when needed.
- The class will be held from 8:00 AM to 15:30+ PM (Norwegian Time) Tuesday (2025-05-20) through Thursday (2025-05-22).
- Venue: Central Oslo, Norway
- Each day will consist of a short recap followed by a lecture and practical exercises for the delegates to complete.

Requirements

- A PC meeting the requirements specified on the PLS website.
- PC must be capable of connecting to the internet.
- Ability to access a Google Drive link to download example files and course material which will be distributed prior to the course.

Software & Training Material Provided

This is a 'hands-on' class where attendees will be learning by using PLS TOWER. Each attendee is expected to have the latest version of PLS TOWER. If an attendee does not have the software available, please contact EFLA so we can make a temporary version available for the duration of the course (additional charges may apply).

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

Instructors

Kristinn Hlidar Gretarsson

Mr Kristinn is a structural engineer with an MSC from Washington university, with 9 years of professional experience in engineering and design of transmission and distribution lines. His focus has been the structural analysis and design of towers in Norway. Expertise gained through his work in Norway has made him a valued member of the automation team within EFLA, which designs and writes procedures to automate work carried out in PLS-CADD and TOWER. Kristinn's extensive knowledge of PLS-CADD/TOWER has made it possible to analyse complex stringing operations, which required careful planning and precise documentation. The operation Involved existing towers modelled with PLS TOWER. His teaching experience from being teacher's assistant at Reykjavik University, has already proved itself in prior courses held by him.

Gilles Sabatier-Olne

Mr Sabatier-Olne is a structural engineer with 21 years of professional experience in engineering work, whereof 16 years related to engineering and design of transmission facilities for electric power. His main expertise and experience are in the fields of structural analysis and design of towers and engineering of lines in different countries (Norway, France, Iceland), specifically upgrade and reinforcement of existing power lines. Mr Sabatier-Olne has taken part in study and design of new tower types, among them one based on aluminum material and has also been involved in assisting Statnett (Norwegian TSO) to set up a new tower design procedure based on PLS-CADD/TOWER software. Mr Sabatier-Olne oversees the maintenance and update according to latest standards of some of Statnett tower design software tools related to TOWER. He has conducted training sessions regarding the use of the PLS-CADD and TOWER for various Norwegian companies.

REGISTRATION FORM

Attendee Information

First Name: _____

Surname: _____

Phone Number + dialling code: _____

E-Mail: _____

Country: _____

City: _____

Postal Code: _____

Company Details for invoicing (ignore if not applicable)

Company Name: _____

Address: _____

_____

_____

VAT Number: _____

Send the completed registration form to post@efla.no

In short

Start date	Tuesday 2025-05-20
End date	Thursday 2025-05-22
Start time	8:00 AM
End time	15:30+ PM
Location	Central Oslo, Norway
Cost per person	€ 2100 + VAT, Two thousand one hundred Euros + VAT
Number of attendees	15
Registration deadline	31st of March 2025
Cancelation deadline	31st of March