

Sample Engineering/Software Training Plan:

The engineering portion of the training is conducted using PLS-CADD Lite and PLS-Pole (LW+ Mast) software. In this proposal, no licenses of PLS are provided as part of the package, however up to 15 temporary training licenses of PLS-CADD Lite and PLS-Pole can be provided for the duration of the training course.

Day 1: (8.00 – 4.00 pm)

- General presentation – introduction to Tower Solutions
- Site visit (container layout and material discussion)
- Types of ERS towers, planning an ERS restoration.
- Examples of restoration plans and scenarios.
- PLS-Pole, setting up initial guyed mast structure.

Day 2: (8.00 – 4.00 pm)

- Site visit (building 5-section tower)
- PLS-Pole – defining insulator cross-arm, guy wires, and other parameters.
- PLS-Pole – importance of guy wire placement
- PLS-CADD – loading structure, checking, and fixing structure.

Day 3: (8.00 – 4.00 pm)

- Site visit (installation of insulators)
- PLS-CADD – checking and fixing structures
- Discussion of design optimization and guywire placements
- Exercise 1 – guywire space constraint

Day 4: (8.00 – 4.00 pm)

- Exercise 2 – planning ERS restoration
- Exercise 3 – river crossing/tall tower scenario
- Site visit (installation of 9-section tower)

Day 5: (8.00 – 2.00 pm)

- Site visit – dismantling of tower.
- Summary of topics covered, Q&A
- Evaluation and conclusion of the training session

Documents provided during training:

- 1.** Detailed step-by-step PLS-CADD set-up and instruction manual (with screenshots)
- 2.** Example PLS-CADD .bak files of similar scenarios
- 3.** Tower Solutions' design library of past test cases.