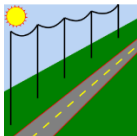




PLS CADD Products

2024



PLS-CADD

The standard edition of PLS-CADD is a line design program that includes all the terrain, sag-tension, loads, clearances and drafting functions necessary for the design of an entire power line. Also includes **PLS-CADD/LITE** and **PLS-CADD/ULTRALITE**, but not any of the other items listed below (**compare editions**).

Optimum Spotting Option: Enables automatic selection of structure locations and types for the least cost design of a line.

SAPS Option: Finite element sag-tension option: provides a superior alternative to the built-in ruling span sag-tension.

PLS-CADD/LITE: Simplified edition of PLS-CADD for calculation of sags and tensions in a single span, thermal ratings and structure loading trees for a single structure. Included at no charge with the standard edition (**compare editions**). Includes **PLS-CADD/ULTRALITE**, but does not include the terrain modeling, material or drafting functions of the standard edition and is based on the ruling span concept. (*PLS-CADD/LITE does not open or act as a viewer for PLS-CADD Standard edition models*).

PLS-CADD/ULTRALITE: Streamlined version of PLS-CADD for quick modeling of a single span of conductor or wire. It develops a Sag-Tension report as well as Stringing Charts for a user definable range of span lengths and stringing temperatures.

PLS-CADD/SURVEY: Surveyor's edition of PLS-CADD that provides terrain modeling and drafting capabilities, but not structure spotting, loads, clearances, or sag-tension (**compare editions**).

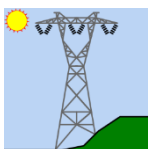


PLS-GRID

PLS-GRID is the latest software offering from Power Line Systems, the original provider of “digital twin” and “BIM” software for your overhead transmission, distribution, and communication lines for over 35 years. Leverage your decades of overhead line models built in PLS-CADD, PLS-CADD/Lite, PLS-POLE, and

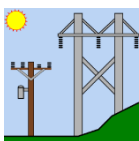
TOWER to create your own PLS-GRID that allows access to accurate structure usage, line clearances, vegetation clearances, thermal line ratings, plan and profile sheets, sag tension reports, staking data, construction documents etc. on your desktop as well as on the web. PLS-GRID manages all your overhead line data in a single location for easily distributing to all departments and contractors.

[CLICK HERE for PLS-GRID Overview](#)



TOWER

Analyzes, designs and optimizes steel lattice towers for transmission and substation applications.



PLS-POLE

Analyzes and designs structures with wood, laminated wood, steel, concrete or fiber reinforced polymer (FRP) poles, or modular aluminum masts.

In addition it also comes with CAISSON (purchased separately) functionality embedded in for designing directly embedded poles with or without backfill, as well as concrete piers.

PLS-POLE/WOOD for analysis and design of wood poles

PLS-POLE/STEEL for analysis and design of steel poles

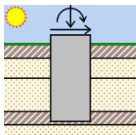
PLS-POLE/CONCRETE for analysis and design of concrete poles

PLS-POLE/LW+MAST for analysis and design of laminated wood poles and modular aluminum masts

PLS-POLE/FRP for analysis and design of Fiber Reinforced Polymer poles

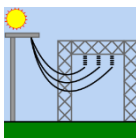
PLS-POLE/Integrated CAISSON

Consulte por nuestros training! en español



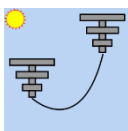
CAISSON

Designs moment resisting reinforced concrete pier foundations and direct embedment depths for poles.



SAPS

Structural Analysis of Power and communication Systems is the analysis engine that powers our other software. It can be purchased for standalone use to solve exotic problems. SAPS can act as a plug-in to add finite element sag-tension to the standard edition of PLS-CADD.



SAGSEC

Performs finite element analysis of cables using a linear material conductor model. Many clients ask whether SAGSEC or PLS-CADD/LITE is better suited for solving a certain kind of problem. This [comparison chart](#) should help you decide which program will best meet your needs.

Consulte por nuestros training! en español

+5411.2115.9585

contacto@itresenergia.com

