



**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.

## PLS-GRID Server

**PLS-GRID Server** is 100% built on Web Services that enable fast, simple, and reliable integration with your systems. **PLS-GRID** keeps your data under your control on your servers in your datacenter “where it belongs”. All data is encrypted at rest and in transit over the network. Street level maps are provided by default as well as the ability to integrate with your own WMTS imagery server. Enterprise consistency of user customizations is provided so all users on both the desktop and web platforms see the same information.

## PLS-GRID Desktop

**PLS-GRID Desktop** automatically finds and indexes all the **PLS** projects on your network and shows the **PLS-CADD** and **PLS-CADD/Lite** projects on a map that allows for graphical interaction to open not only entire projects but individual structure models for edit and review. Project data and statistics are available quickly by graphically selecting areas of interest for those project reports. Project files tied to structure comments (pictures, easements, drawings, etc.) or the reference manager can be viewed or opened by easily selecting the structure or project. Open KMZ representations of your project quickly in your GIS system or directly in Google Earth.

## PLS-GRID Web

**PLS-GRID Web** shows projects on a map, with details about each structure and circuit directly inside a web browser with cross platform multiple device support. **PLS-GRID Web** provides access to the same reports as **PLS-GRID Desktop** and KMZ files for 3D visualization of your infrastructure on any computing device including mobile devices and tablets in the field. The latest construction documents are available to field crews on demand including Plan & Profile drawings and Construction Staking reports. Secure access to infrastructure data for other departments, contractors or other parties with complete control over who has access with an Access Control List (ACL).

**POWER LINE**<sup>®</sup>  
S Y S T E M S



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

## Regulatory Requirement Reports

Street Maps  
Facility Locations  
Design Standards  
Easements  
Structure Photos  
Bill of Material  
Thermal Rating Reports  
Plan and Profile Sheets  
TOWER .tow Models  
PLS-CADD/Lite .loa Projects  
PLS-CADD .xyz Projects  
Construction Staking Reports  
Vegetation Clearance Reports  
ROW Widths  
Wire Clearance Reports  
Structure Strength  
Structure Utilization Reports  
Aerial Photography  
Technical Drawings  
KMZ 3D Models  
Stringing Charts

## PLS-GRID Server

- Built 100% on Web Services (Fast, Simple, Reliable)
- Runs on your server in your datacenter. Your data stays "where it belongs"
- Know who accesses your data and when
- Street level maps and ability to integrate your own imagery
  - Enterprise consistency of user customizations
  - Encrypts your data



### PLS-GRID Desktop

- Finds and indexes all PLS files on your network
- PLS Projects are georeferenced on map
- Graphically select and open PLS-CADD projects
- Graphically select and open PLS-POLE and TOWER models
- Generate Reports and Statistics on all models and projects
- Map View of all lines with color coded voltage levels and instant access to Plan & Profile Sheets, Construction Documents, Structure Overview Reports, etc.
- Project References from Structure Comments and PLS-CADD Reference Manager
- Open KMZ model representations and other information in your GIS system

### PLS-GRID Web

- Projects on a map, with details about each structure and circuit directly inside a web browser with cross platform multiple device support.
- Access to many of the same reports in the Desktop Client
- KMZ model representation for visualization in the field
- Deliver latest documents to field crews including Plan and Profile sheets and Construction Staking Reports
- Secure access to information for other departments, contractors, or other third parties
- Assign users and groups to an Access Control List (ACL)

**POWER LINE**<sup>®</sup>  
S Y S T E M S



PLS-GRID

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