



FIELD DESIGN SYSTEM

Partner Software
800.964.1833
www.partnersoft.com

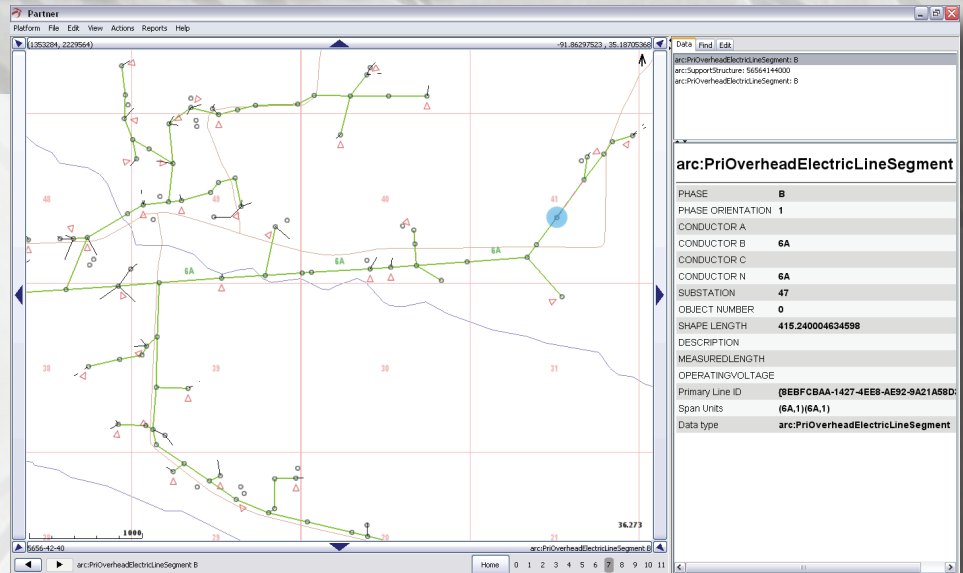
Need to Simplify Your Staking Process? Partner's Field Design System 4.4.8 is the answer!

The new version of the Partner Field Design System is even faster and more user-friendly, reducing time spent looking for locations, redrawing map sketches and filling out individual staking sheets. This fully automated design tool simplifies the staking process, cuts time and costs and reduces or eliminates paperwork.

The Partner Field Design System allows staking engineers to view power distribution maps, create staking sketches and retrieve any additional information needed to complete a work order, all using a simple and intuitive interface. When setting up your Field Design System, you choose what symbols to use for each piece of equipment. Partner also supports both standard (RUS) and custom assemblies.

Field Design Features

- Real time pan and zoom, data search and viewing of the entire service area
- Effective in the field and office via desktop, truck and dispatch view
- Fast location of job site using Find Item or GPS
- User-friendly process for assembly selection that is organized and searchable for quick access
- Viewing of spec book illustrations and assembly specifications
- Copying locations and creating templates to speed up routine work
- Full GPS support for high-accuracy design work
- Report browsing, including staking sheets and other custom reports



GIS Integration

The Field Design System provides a comprehensive, round-trip process for updating your GIS or mapping system during the design process. This integration provides:

- elimination of redrawing and manual entry;
- transfer of GPS coordinates without loss of accuracy;
- import of existing assemblies into the design job;
- continuous improvement of your mapping and facility data.

Updates are sent to the GIS system using the industry-standard MultiSpeak® interface. The following GIS vendors currently use this interface to integrate with Partner.

- ATS Mapping
- CSA UtiliTrak
- Futura GIS
- Milsoft WindMilMap
- NISC GIS
- Telvent ArcFM™

For GIS systems that do not support MultiSpeak® integration, the Field Design System can export data in a variety of other formats, such as ESRI shapefile and AutoCAD DXF. Custom integrations may also be developed at additional cost.

Accounting Integration

The Field Design System supports two-way integration with most utility accounting systems. This integration provides:

- elimination of manual calculation and data entry,
- user-friendly labels and picklists for coded values,
- automatic creation and assignment of jobs.

A variety of integration methods are available including MultiSpeak®, web services, batch XML, SQL, fixed-width and delimited files.

The following accounting vendors currently integrate with Partner.

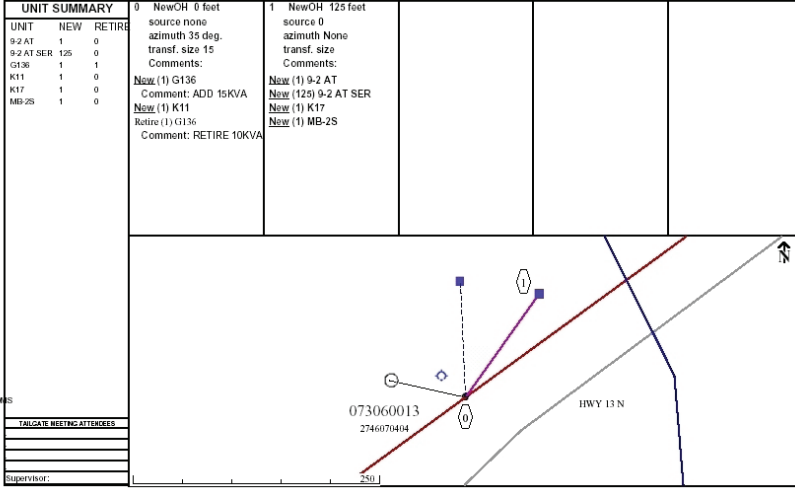
- ATS
- BIS
- CSA
- Daffron
- NISC
- Oracle WAM
- PCS
- SEDC

Custom integrations may also be developed at additional cost.

The Partner Field Design System, in use since 1997, is an indispensable tool for the field engineer. Version 4.4 is reliable and user-friendly software that thinks like a staker while providing a seamless interface with all of your other systems.



MEMBER: OPEN HEART CHURCH
 ADDRESS: _____
 PHONE NO.: _____
 CELL PH. NO.: _____
 PERMITS REQUIRED: _____
 D.O.T. _____
 ELECTRICAL _____
 SEWER _____
TN. ONE CALL
1-800-351-1111
 EASEMENT _____
 R.O.W. _____
 TRANSFORMER _____
 CO. NO. _____
 KVA _____
 SUB _____
 TBR 9: N. WAVERLY
 L/S 07301
 PHASE 1: A
 PRIM. VOLT. _____
 METER _____
 CO. NO. _____
 ACC. NO. _____
MAP REF 073000013
 COUNTY HUMPHREYS
 CITY WAVERLY
 INSIDE/OUTSIDE OUTSIDE
 NO. OF MEMBERS 1
 STAK. BY: M.P. DATE: 10/10/03
 CHRD. BY: DATE: _____
 TYPE OF SERVICE TBLR-CLASSROOMS
CONSTRUCTION AID
 N/A



Mobile Staking

For utilities that want to eliminate laptops in the field by using a smaller, more practical device, Partner's integration with Tri-Global Technologies, LLC. is an ideal solution. Tri-Global provides an array of Trimble® GPS devices that have screen displays. A staker with a Trimble device can use Tri-Global MobileStaker™ to stake a Partner job with a handheld GPS. Your Utility's assembly units and materials can be displayed on these types of Trimble devices the same way that they appear in Partner's Field Design System. This allows the staker to stake jobs with accurate GPS locations and make corrections while in the field. Once back in the office, the staker can import jobs created in MobileStaker into Partner Field Design to edit job information or make alterations and then print reports.

Generating Reports

Partner knows that just because you may want to reduce your Utility's dependence on map books and a paper system, you don't necessarily want to go "paperless." That's why reports generated by the Field Design System are easy to print and can be formatted to closely resemble your current reports. Partner has a wide range of report templates from which to choose so that you can select formats that look similar, if not exactly, like the ones your Utility has been using. Staking sheets, accounting summaries and cost estimates are instantly generated with the click of a button.

Report Examples: Above, a sample Staking Sheet. Below, a sample Cost Estimate.

MID-SOUTH Synergy Customer Name: SYSTEM IMPROVEMENT Date: April 15, 2008
 Account Number Job Number: 330690 Date Staked: 04/11/08
 www.midsouthsynergy.com Type of Service: System Improvement Upgrade Staked By: Neal Lawry
 PO Box 976 Nacogdoches, TX 77868 Service Address
 1-888-525-6677

Cost Estimate

Material Cost:	Units	Quantity	Cost per Unit	Extended Cost
MSBRKT-2	1	1	41.53	\$ 41.53
MSUM6-6	1	1	10.54	\$ 10.54
MSVM5-6	1	1	55.19	\$ 55.19
MSVM5-9	1	1	92.74	\$ 92.74

Three Phase Transformer Cost:
 Cost: \$ 0.00

Labor Cost:
 Construction Labor Cost: \$ 258.06
 Retirement Labor Cost: \$ 0.00

Right of Way Clearing Cost:

Type	Footage	Cost per Foot	
Primary Right of Way Clearing:	0	0.00	\$ 0.00
Secondary Right of Way Clearing:	0	0.00	\$ 0.00

Permit Cost:
 Railroad Crossing Permit: \$ 0.00
 Highway Crossing Permit:

Taxes:
 City: \$ 0.00
 County: \$ 0.00
 State: \$ 0.00

Total Construction Cost: * \$ 458.06

Structural Analysis

Through Partner's integration with SPIDA™, the Partner Field Design System now offers a structural analysis application. SPIDA™Calc is a module that provides structural engineering and pole-loading analysis in the form of an interactive dialogue and accompanying reports. When analyzing a pole and its equipment, a graphical map overlay appears in the Field Design System, which displays a 3D image of the pole with color-coded stress indicators. The analysis accounts for weight on the pole as well as wind resistance and many other pertinent factors. Users can analyze equipment and assemblies separately or as an entire job or work order.

GPS

The Partner system can be configured to work with a wide variety of GPS devices. Partner currently supports two separate GPS protocols: the National Marine Electronics Association protocol (or NMEA) and the Trimble Standard Interface Protocol (or TSIP), only available with Trimble® brand devices. Partner's Field Design System integrates your GPS device with Partner maps and allows you to change and apply both generic and device-specific GPS settings. The Field Design System displays the number of satellites your GPS device is picking up and the strength of your signal. A small icon will appear on the map to show where the GPS device is located and the map can be set to follow its movement.

Right: GPS linked with Field Design. Note the available satellites represented by green circles.

