

Release Notes

O-Calc® Pro

Release Version: 8.0.2.10

Release Date: September 30th, 2025

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Product Support Contact Information

Install: <https://www.o-calcpro.com/LineDesign/>

Help: <https://www.osmose.com/o-calc/help/>

Wiki: <https://www.osmose.com/o-calc/wiki/>

Videos: <https://www.osmose.com/o-calc/video>

Catalogs: <https://www.osmose.com/o-calc/catalogs>

About Release Notes

This is intended to present a summary of changes since the previously released version of O-Calc® Pro. It identifies new features and functions as well as changes to existing features and functions. It alerts users to changes that may alter the use of the product and may require particular attention or specific actions. For details about changed features and functions, users are referred to the product user guide and other documentation that is installed along with the software.

Optional Add-On Plugins (Sold Separately):

- **LiDAR Viewer Plugin**
Visualize and interact with high-resolution LiDAR data directly within your pole models. Apply real-world measurements to fine-tune components with precision—ideal for pole loading analysis and clearance checks.
- **SpidaCalc* Integration Plugin**
Seamlessly import SpidaCalc* project files into O-Calc Pro Line Designs. Preserve valuable engineering data and reduce manual re-entry with intuitive mapping tools and full model conversion.
- **LCI Plugin (Line Connectivity Index)**
View and manage lightweight geospatial representations of your distribution network. The LCI Plugin enables interaction with the O-Calc Pro Pole Loading Database (PLDB), offering a simplified view of pole locations and connectivity for planning and resiliency projects.

Note: Contact ocalc@osmose.com for more information on the process to purchase and enable these optional O-Calc Pro components.

* SpidaCalc®, is a registered trademark of Bentley Systems, Inc.

New/Updated Features

- Upgraded O-Calc Pro to use Open GL graphics rendering. This upgrade allows for increased performance for rendering graphics in the 3D View allowing O-Calc Pro to display LiDAR data right in the 3D View more easily
- Added a new report called the O-Calc Pro Clearance Analysis Report. This report provides a detailed analysis of all the clearances between equipment and obstructions in your line design and reports on all violations of clearance requirements set up by the user. There is a configuration process that the end user can set up specific clearance cases.
- Upgraded the Map Measure Tool in Line Design to allow the user to copy and paste the latitude and longitude, and the distance and bearing of the coordinates displayed in the tool. To do so draw a line with the map measure tool as a user normally would, then click on the map measure tool display to view a menu with these options.
- Added the ability to enter the location of an anchor using Lat/Long coordinates. Users can use the Map Measure Tool in Line Design to generate the desired Lat/Long Coordinates for an anchor, then save them as a named coordinate, and finally apply the coordinates to the anchor using the right click option, Set Anchor Location.
- Upgraded Spacer Cable Modeling capabilities to allow span linking. The new trim to terminal data entry panel option allows the user to visually end the span at a chosen point where the jumper connects.
- Added a new option under Options > Misc Options called Override Auto Setting of Wind Drag Coefficients. The option lets the user set the wind drag coefficient on all the equipment on their poles manually instead of letting O-Calc Pro calculate them, allowing the user more control over the calculations.
- Added the option to show the 'Load' angle arrow instead of 'Wind' angle arrow in the 3D View. Go to Options > Options in 3D View > Labels > Display Direction Arrow to choose which arrow to display.
- Added an option under Options > Options in 3D View > Labels to display the line angles numerically around the compass wheel in the 3D View.
- Upgraded the Measure Tab so that pole images display the date the photo was taken or uploaded to O-Calc Pro.
- Upgraded the Tension Table Generation tool to allow users to generate professional-grade sag and tension tables for various spans, (conductors, messenger wires, and full span

bundles), load cases, and temperatures—matching the output of premium tools, now built directly into O-Calc Pro.

- Upgraded Multipole Structure capability to allow segmented poles to be part of Multipole Structures.
- Upgraded O-Calc Pro to be able to show the name of the PPLD file within the interface like how single pole file names are displayed.
- Upgraded the Import Line Design from CSV feature to Improve the 'Show Expected Format' dialog for clarity. Additionally, an example CSV file can be generated from this feature to give users additional guidance on how to format their own CSVs.
- Upgraded the Batch Reporting Tool to support Custom Reports as well. To perform Custom Batch Reports users simply switch to the Custom Batch Reporting context using the Custom Reports button.
- Added an option under Options > Options in 3D View > Visualizations so that user can Render Violations separately from the Obstructions.
- Upgraded the Line Design Clearance Analysis Tab so that users can more easily identify which obstruction objects are available in the obstruction's menu based on the user's clearance rules.
- Added the ability to choose an assembly containing an anchor with two or more guys attached as the auto guy assembly when performing an auto guying operation. Added the ability to set the default auto guy assembly from the Inventory panel.
- Added functionality so that the pole attributes automatically display in the Data Entry when a pole is added to the Inventory.
- Upgraded the Query feature in the O-Calc Pro Catalog and Inventory windows to retain the query criteria even when the user clicks away so that the user no longer must re-enter their search criteria multiple times. Upgraded the Catalog Query feature to order the object dropdown list alphabetically for ease of selection.
- Added a new feature called Report Configuration to the Clearance Tab in Line Design to allow users to access the configuration settings of the Clearance Analysis Report.
- Enhanced the multi-select functionality in the 3D View to match the Inventory panel Now, in the 3D View to select multiple items users can hold down the ctrl key and left click on the items they choose to select.
- Upgraded the O-Calc Pro 3D View to display groundline clearance obstructions in the 3D view. Groundline obstructions are now displayed as a thin line that appears on the ground surface similarly to how it appears in the Line Design Map.

- Added a new option in the Administrative Settings called Allow data dumps to allow for the enabling or disabling of 3 options: Dump Reporting Parameter, Dump Forces Detail Report, and Dump Catalog.
- Removed the Line Design option to use Bing Maps as the map backdrop, since Microsoft retired Bing Maps service on June 30, 2025.

Defect Corrections

- Corrected a visual bug that occurred in the 3D View between linked spans on a multipole structure. Spans may have appeared misaligned in certain scenarios.
- Corrected an issue where certain operations did not trigger a recalculation for Line Designs when Auto Solve was enabled. All pole edits that impact pole loading calculations will now properly trigger O-Calc Pro to recalculate the Line Design.
- Corrected an issue where poles that were substituted could not be saved due to an issue with the Apply Effective Radius GL attribute.
- Corrected pole substitution functionality where modulus of elasticity values were being incorrectly altered.
- Corrected an issue where a pole could not calculate if the offset on a pole attachment was offset from the pole. In this case a message is displayed to the user to correct the pole model.
- Corrected an issue with the Crossarm Summary Report, Insulators Summary Reports, and Crossarm Analysis Report that caused incorrectly reported Moment Capacities.
- Corrected issues with the Span Info Reports where screenshots did not appear correctly in the report and the reports would not be updated unless the project was manually recalculated.
- Corrected GO95 load case values in O-Calc Pro Master Catalog revision 4-2-2025 and all subsequent revisions. The wood cross strength reduction factor was incorrect for At Replacement load cases.
- Corrected an issue with the Line Wizard feature where service wires on taps were duplicated in the creation of a Line Design.
- Corrected the clearance analysis report to properly show the shape attribute for cylindrical clearance objects.
- Corrected an issue with the Line Design tool Split Spans and Insert Pole where the added pole was copying its own attributes onto other poles in the Line Design.
- Corrected the Profile Viewer and Profile Chart which were not displaying the spans on H-Frame structures properly.

- Corrected an issue in the LE Configuration import process where the rotation angle of suspension insulators would be incorrect when importing poles with these types of insulators to O-Calc Pro.

Known Issues

- No known issues currently.

Technical Notes

- Minimum System requirements for Osmose O-Calc® Pro include the following:
 - Supported Operating Systems: Windows 10 - Windows 11 (64-bit version)
 - 16 GB System memory
 - 1-2 GB min. available Storage Space
 - OpenGL compatible Graphics Subsystem, hardware accelerated 3D graphics (dedicated/separate)
 - Microsoft .Net Framework version 4.7.1 or later
 - PDF Reader Software
- Virtual Desktop Infrastructure (VDI) support:
 - Osmose does not support installation of O-Calc Pro on virtual desktops.
 - Deployment on virtual desktops would require an O-Calc Pro subscription key/expiration token for each VDI used.
 - The transition to OpenGL graphics will also require an additional Microsoft Compatibility Pack that is separate from the O-Calc Pro deployment. For more information on this, please see the official OpenCL™, OpenGL®, and Vulkan® Compatibility Pack from the Microsoft Store at:
<https://apps.microsoft.com/detail/9nqpsl29bfff?hl=en-US&gl=US>