

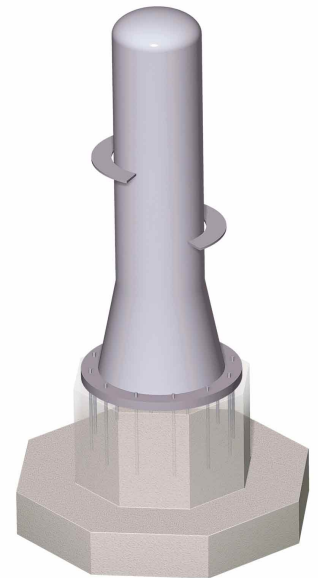


Dimensional Solutions, Inc.

# Foundation3D - PVElite Interface

*Advanced software for  
foundation design*

*Equipment design  
completed in PVElite*



*Foundation Design completed  
in Foundation3D*

**DIMENSIONAL  
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Would you like to complete the foundation designs of equipment supports such as those for exchangers, vessels, towers, stacks and similar plant design equipment whose designs have been completed in PVElite and generate detailed foundation construction drawings with just a few mouse clicks?

If your answer is yes, you will want to consider the **Foundation3D - PVElite Interface™** from Dimensional Solutions.

This easy-to-use interface extracts vital information from PVElite such as the equipment geometry, loads and anchor bolt arrangement required to complete the foundation design. The interface then brings the vital information into Foundation3D to complete the foundation design and generate a detailed foundation construction drawing.

To experience the significant foundation design and drafting time savings that many of our customers have, visit [www.dimsoln.com](http://www.dimsoln.com) site for a free trial.



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PVElite by Coade, Inc. is a graphical based, easy-to-use software program that provides engineers, designers, estimators, fabricators and inspectors with complete design capabilities of tall towers, horizontal vessels, individual vessel and heat exchanger components.

[www.coade.com](http://www.coade.com)

Foundation3D is an integrated, single program foundation design solution for the plant design industry that takes minimal information such as equipment geometry to complete equipment foundation design and generate detailed construction drawings in AutoCAD and Microstation in minutes.

## Key Benefits

Transferring vital foundation geometry from PVElite into Foundation3D through a user-friendly interface, will allow you to achieve the following:

- ◆ **Reduce equipment geometry input time, thereby completing your foundation designs quickly.** If you have ever transferred the equipment geometry data manually into a foundation design software, you know how time-consuming this process is. Because the interface automatically brings the equipment geometry from PVElite into Foundation3D, you can complete your foundation designs quickly.
- ◆ **Focus on the foundation design rather than accuracy of input.** Because the interface extracts the latest information from PVElite, you are assured that when you complete the equipment support foundation design, you have used the most recent information allowing you to focus on the design rather than the validity of the data. The interface also reduces input errors related to equipment geometry, loads and anchor bolt arrangement resulting in enhanced productivity and efficiency.
- ◆ **Have the flexibility to run multiple foundation design solutions for the same support configuration so that you can optimize your designs.** Because the interface allows you to design the foundations for the supports ranging from a spread footing under each support to a combined footing with dual supports for an equipment such as horizontal exchanger or vessel, or from a rectangular footing to an octagonal footing for a vessel or a tower, you can analyze “what-if” scenarios for a variety of conditions. This will enable you to optimize the foundation design of any given equipment support.
- ◆ **Automate your design and drafting environment so that you can increase your productivity and reduce costs.** Since the interface allows you to complete your foundation designs in Foundation3D quickly and accurately, and because Foundation3D enables you to create detailed foundation construction drawing in a CAD engine of your choice such as AutoCAD or Microstation, you and your organization will increase productivity by automating the foundation design and drafting process, thus reducing costs significantly.

Saving time is saving money. Nowhere is that more true than in an engineering project. If you have ever exceeded your budgeted hours you know the value of reducing hours or days required to complete an engineering project. With the Foundation3D - PVElite interface, you will save hours of foundation design, drafting and modeling work, which typically comprise a large part of the overall engineering budget. To experience significant time savings and productivity through automation, please call us or visit us at [www.dimsoln.com](http://www.dimsoln.com) to obtain a free trial copy of the software.

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