

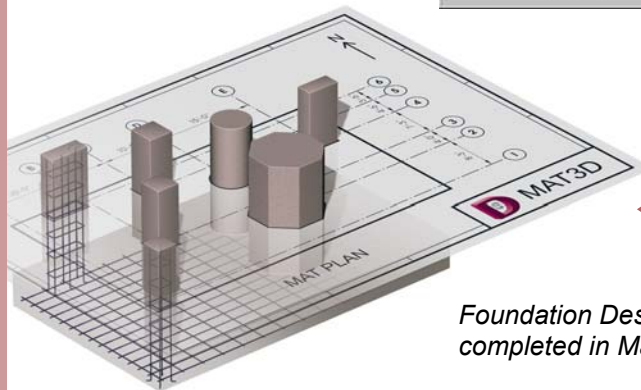
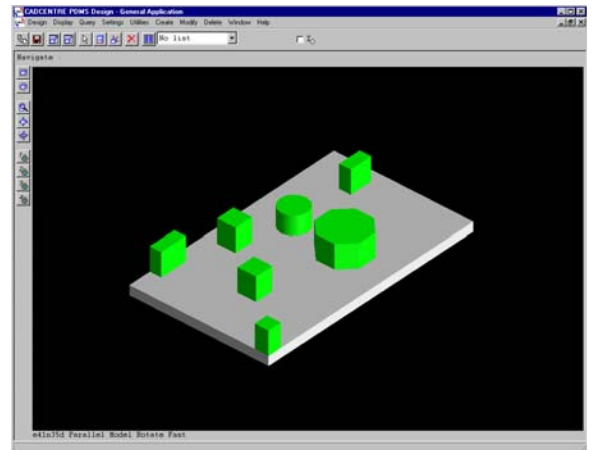


DIMENSIONAL SOLUTIONS, INC.

# Mat3D - VANTAGE Interface

*Advanced software for  
foundation design*

*Foundation Model  
generated in PDMS.*



*Foundation Design  
completed in Mat3D.*

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Would you like to complete the designs of the foundations modeled in VANTAGE Plant Design Management and generate detailed foundation construction drawings with just a few mouse clicks? Would you like to generate foundation models in VANTAGE after designing them in MAT3D?

If your answers are yes, you will want to consider the **Mat3D - VANTAGE Interface™** from Dimensional Solutions.

This easy-to-use interface extracts vital information from VANTAGE such as the foundation geometry required to complete the foundation design. The interface then brings the vital information into the Mat3D 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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**VANTAGE** by AVEVA, is a database driven 3D modeling system used worldwide for the manipulation and storage of plant layout and design information.

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

**AVEVA**

**Mat3D** is an integrated, single program foundation design solution that takes you from concept to completion in minutes. With its easy-to-use graphical user interface, you can not only complete foundation designs in minutes but also generate detailed construction drawings in popular CAD engines such as AutoCAD and Microstation.

## Key Benefits

Transferring vital foundation geometry from VANTAGE into Mat3D and vice versa through a user-friendly interface, will allow you to achieve the following:

- **Reduce foundation geometry input time, thereby completing your foundation designs quickly.** If you have ever transferred the foundation geometry data manually into a foundation design software, you know how time-consuming this process is. Because the interface automatically brings the foundation geometry from VANTAGE into Mat3D, 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 VANTAGE, you are assured that when you complete foundation design, you have used the most recent information allowing you to focus on the design rather than the validity of the data.
- **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 mat foundation with all the superstructure supports, you can analyze “what-if” scenarios for a variety of conditions. This will enable you to optimize the foundation design of any given superstructure.
- **Allow you to propagate foundation design changes into the VANTAGE model quickly and accurately, reducing modeling time and costs.** If you have worked on an engineering project from start to finish, you know that foundation designs can undergo a number of changes during the lifecycle of the project. Because the interface allows the changes in foundation geometry during design to be easily propagated into the VANTAGE model, you will save modeling time significantly resulting in reduced costs.
- **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 Mat3D quickly and accurately, and because Mat3D 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 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 Mat3D - VANTAGE 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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