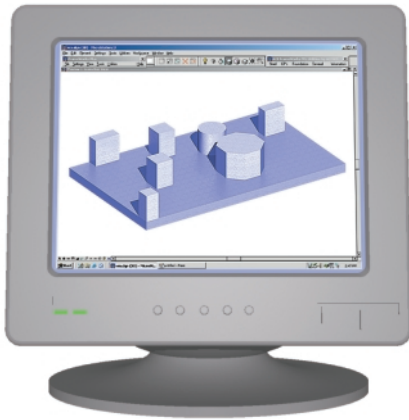


# Foundation Design Suite Frameworks Plus Interface

Advanced software for foundation design

Dimensional Solutions, Inc.

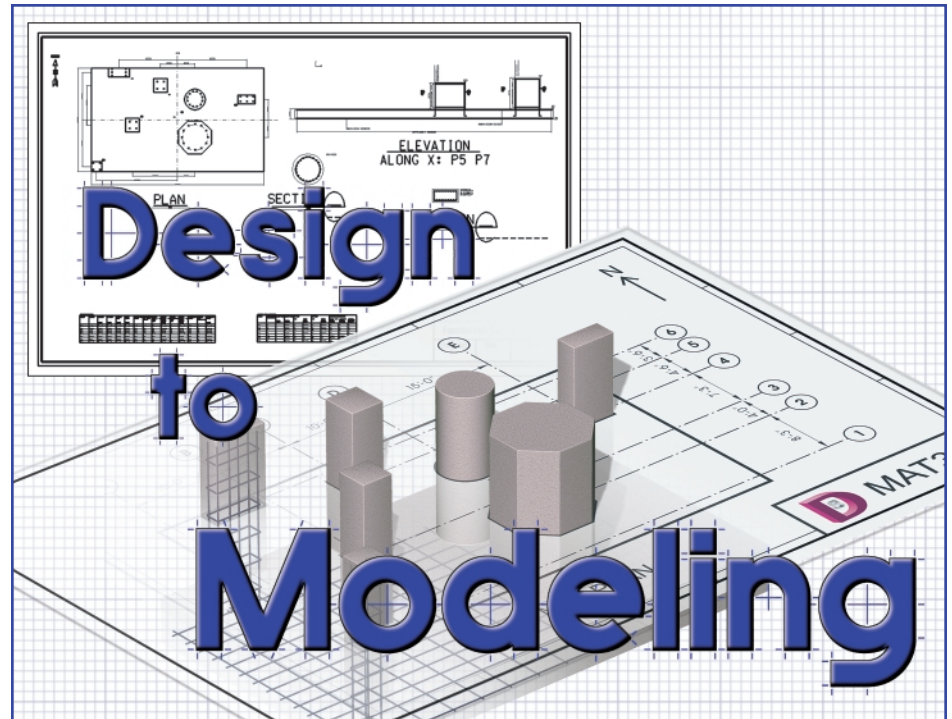


## Bring Design Objects into the 3D World Seamlessly

A 3D model of the objects designed by various engineering disciplines effectively communicates the geometric design data. Therefore automating the work process from design to 3D modeling forms an integral component of reducing overall project costs. With our design to modeling interface from Foundation Design Suite to Frameworks Plus, you will experience significant productivity. To find out how, visit us at [www.dimsoln.com](http://www.dimsoln.com) or contact us.

***Increase your productivity from design to modeling for your plant design projects through seamless integration. Download a free trial version today.***

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



## Why 3D Modeling?

- **Collaboration** - Because a plant design project involves many engineering disciplines, modeling critical objects from each discipline allows other disciplines to assess the impact of those objects on their workflow helping in streamlining the work process through project completion.
- **Clash Detection** - Modeling objects allows real time clash detection during the planning and design phase of the project thereby eliminating costly changes during construction.
- **Optimization** - Because 3D modeling facilitates a "Pre-Construction Walkthrough" the plant, many "what-if" scenarios can be assessed to achieve an optimal design solution.



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**ACE Frameworks Plus Suite**, by ACESEA, consists of many Frameworks Plus utilities with emphasis on plant design.

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



## **FRAMEWORKS PLUS,**

by Intergraph, is a powerful structural modeling and drawing tool that adds value to the modeling process by integrating structural tasks with the plant creation process.

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



## **Dimensional Solutions, Inc.**

*Advanced software  
for foundation design*

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**Foundation Design Suite** consists of several integrated, single program foundation design components for the plant design industry that take minimal information to complete equipment foundation design, generate detailed construction drawings in AutoCAD and Microstation, and create 3D models in Frameworks Plus.

The **Foundation Design Suite Frameworks Plus Interface**, optimizes information exchange between the Civil / Structural Discipline and the Modeling Discipline by integrating foundation designs into the Frameworks Plus modeling application via ACE Structural Engineering Application Utilities. It allows designers to place automatically created 3D representations of foundations in Frameworks, driven by the data in Foundation Design Suite components, which results in fast, high-quality data transfer.

The interface also helps in integrating work processes by allowing users to:

- **Reduce foundation geometry input time, thereby completing foundation models quickly.** Transferring foundation geometry data into a modeling solution by manual methods, can be a difficult, time-consuming and inaccurate process. Because the Interface automatically brings the foundation geometry from the Foundation Design Suite components into Frameworks Plus, foundation models can be completed quickly and accurately.
- **Focus on foundation modeling rather than accuracy of input.** Because the Interface extracts the latest information from the design suite components, generated models are up-to-date and accurate. This puts the user's emphasis on generating accurate models rather than verifying the validity of the structural data.
- **Propagate foundation design changes into Frameworks Plus quickly and accurately, reducing modeling time and costs.** As just one piece of an engineering project, foundation designs can undergo a number of changes during the lifecycle of the project. Design changes can represent one of the most costly and time consuming aspects of modeling in Frameworks Plus. The Interface allows any changes in foundation geometry during design to be easily propagated into Frameworks Plus, saving modeling time and resulting in significantly reduced costs.
- **Experience reduced design cycle** – The design suite components complete foundation design estimates and detailed engineering designs quickly and accurately. They create detailed foundation construction drawings in popular CAD engines, such as AutoCAD and MicroStation, and generate models in Frameworks Plus thereby increasing productivity through the automation of the foundation design, drafting and modeling process. This increased productivity can contribute significantly to the goal of reducing the overall Civil design cycle within a plant design or modification project.

Saving time is saving money. Nowhere is that more true than in an engineering project. Foundation Design Suite has saved hours of foundation design, drafting and modeling time for plant engineering and design groups across the world. To experience significant time savings and productivity through automation, please call us or visit us at [www.dimsoIn.com](http://www.dimsoIn.com) to obtain a free trial copy of the software.

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