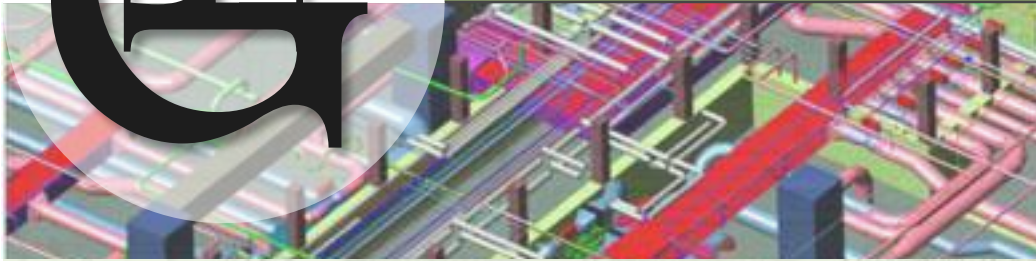




Building Information Modeling (BIM)

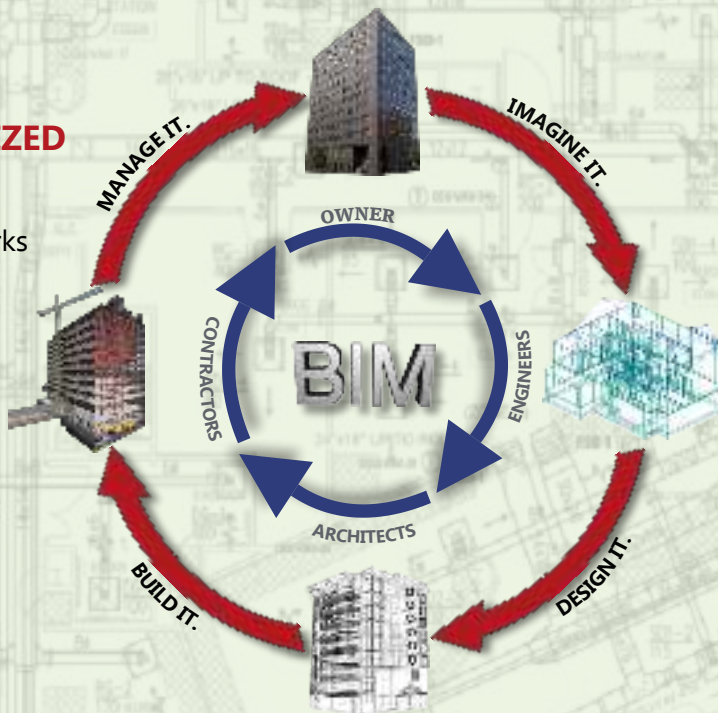


HOW GIUFFRIDA ENGINEERING CAN HELP YOU....

Giuffrida Engineering can improve the productivity and quality of your projects by assisting your company in generating model-based drawings using BIM. Using BIM will also help to increase your company's ability to win more projects. Team members will instantly gain more insight on projects and the communication and collaboration will be greatly enhanced. Once you have a project, Giuffrida Engineering will become your partner in assisting you to generate 3D visualizations such as models and renderings, as well as improving project outcomes with a fewer number of errors.

SOFTWARE UTILIZED

- Autodesk Revit
- Autodesk Navisworks
- Autodesk Green Building Studio
- AutoCAD MEP
- Autodesk 3D Max
- Google Sketchup



WHAT IS BIM?

Building Information Modeling (BIM) is digital representation of the physical and functional characteristics of a facility. BIM data is used to illustrate 3D models and describes objects virtually in the same way that they will be handled when built. The major distinguish between BIM and other design programs is its' ability to allow various professionals and specialists to come together and work on a project as one. BIM helps to improve accuracy, efficiency and productivity of design projects which result in a faster delivery time, decrease in costs, and produces less waste.

BIM ADVANTAGES

- Win more projects
- Cost Effective
- Increase speed of delivery time
- Higher quality of work
- Reduces amount of errors
- Facilitates collaboration
- Design & Energy Analysis
- Allows team members to gain better insight on projects



BIM is quickly becoming the optimal choice for creating projects in the design world.

The increase interest of BIM is skyrocketing and will eventually become the new AutoCAD of the design industry. With the rapid emergence of BIM, getting your firm on board to using BIM will only benefit your companies' ability to produce better design solutions. With a significant number of design practices integrating BIM into their projects, it only makes sense to adapt to the new technologies that are quickly taking over the design industry.

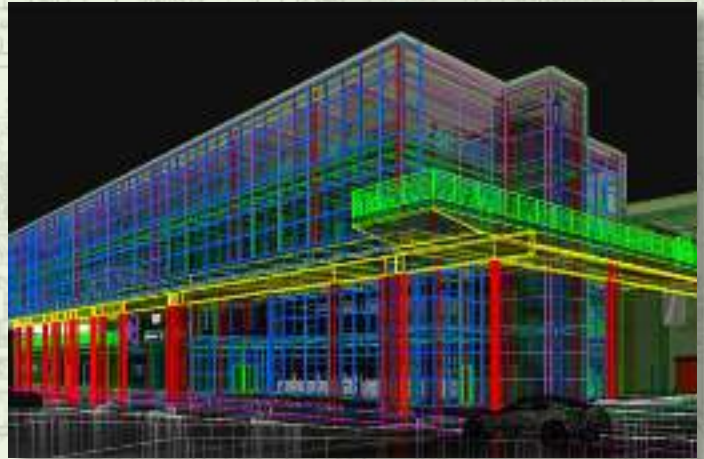
Improves collaboration and communication between clients, partners and consultants.

The ability to digitally collaborate on a buildings physical and functional characteristics strengthens relationships and forges new ones between architects, engineers, contractors and owners. The detailed virtual models and renderings that BIM can produce allows team members and clients to gain a better understanding of the entirety of the project which will ultimately result in a better final product.



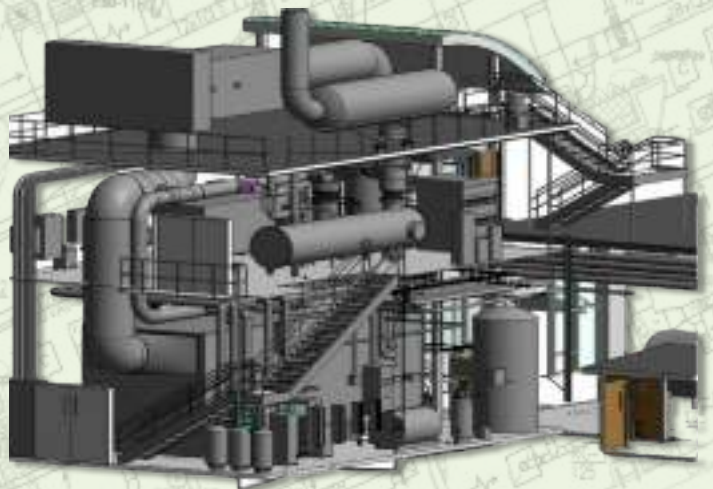
BIM increases the quality of work that designers can produce.

Implementing the use of BIM within your firm can deliver 3D models of buildings, realistic color renderings, sections, specifications and schedules for construction document sets. BIM is designed to allow for information from different professions to come up with an integrated solution with a faster project delivery. BIM also can keep critical design information which make is easier to update and share more valuable information in case of future renovation or referencing.



Adapting to BIM will facilitate the Integrated Project Delivery process (IPD). This process allows for architects, engineers, construction managers and contractors to work simultaneously in the early stages of the design process. This process ensures that everyone involved in the project is focused and understands the parameters of the project from beginning to end with a fewer number of errors.

The BIM process can improve your firm's ability to win more projects. Setting your firm apart in the bidding process is much easier when you demonstrate BIM skills and experience. With the use of BIM, designers can produce innovative and complex designs that enhance the use of sustainability. You can quickly and easily generate conceptual diagrams and models to show owners before you break ground. BIM will reassure the owner's that their projects will be done in a timely manner, with less costs and waste.



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