



BUILDING INFORMATION MODELING

INNOVATION THAT LEADS TO GREATER OUTCOMES

At Stellar, we employ the latest in building information modeling (BIM) to facilitate more educated decision-making throughout the life of the project. This technology allows you to visualize a facility in 3D before it is built. Seeing the impact of any changes made to materials, production lines, workflows, colors, finishes and other design elements streamlines the process for designers and clients.

Staying within budget on any project is crucial. BIM provides greater certainty by more accurately projecting the guaranteed maximum price (GMP) up front, and reduces costly conflicts in the field through clash detection using Revit and other advanced third-party software.

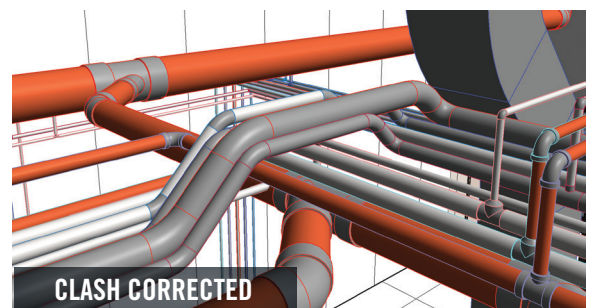
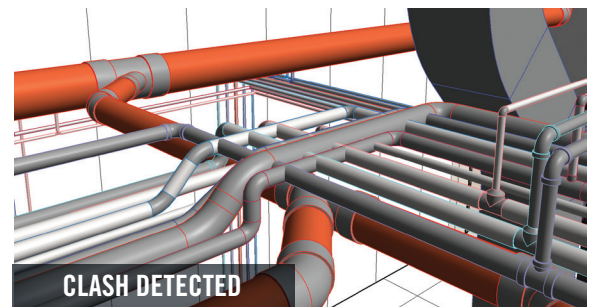


BUILDING INFORMATION MODELING

We combine our extensive food expertise with BIM technology to ensure your facility is sanitary and food-safe, effectively optimizing the space needed for production lines, and accommodating the possible future need to move large equipment for periodic maintenance or upgrades.

ACCURATE RENDERINGS DOWN TO THE EXACT VALVES

Stellar has libraries with manufacturer-specific objects to provide clients a more accurate rendering of the finished facility. BIM helps avoid costly change orders through virtual clash detection.



BIM PROVIDES MANY VALUABLE BENEFITS TO CLIENTS INCLUDING:

- **DESIGN STUDIES AND ANALYSES** – Stellar uses BIM for design studies and analyses including lighting, HVAC, system and facility performance, which provide owners with the information necessary to make informed decisions regarding facility cost, operation and maintenance.
- **INFORMED DECISIONS** – BIM allows owners to provide valuable input through a collaborative 3D model review with our team, which assists clients in making decisions that affect budget, construction, and performance of the facility.
- **BUDGET CERTAINTY** – incorporation of information into a 3D model allows our team to clearly define project scope with the client and provide more accurate pricing in the guaranteed maximum price (GMP).
- **ENHANCED COORDINATION** – BIM coordinators, along with a team of design professionals ensure all disciplines seamlessly work together in a real-time integrated model to produce coordinated design documents for the client.
- **CLASH DETECTION** – conflicts and interferences are detected and resolved in the model, not in the field, which minimizes construction delays and field changes to maintain project schedule and budget.
- **REALISTIC AND ACCURATE MODELING** – BIM streamlines facility construction and system installation by allowing prefabrication of components off-site and more efficient installation on-site.
- **STREAMLINED CONSTRUCTION DOCUMENTATION** – BIM decreases conflicts and enhances accuracy in construction documentation by automatically updating drawings and documents when a change is made in the model.
- **EFFICIENT WORKFLOWS** – BIM provides the ability to efficiently run multiple simulations to determine the best solution for maximizing facility functionality.
- **FOOD SAFETY** – BIM incorporates information and analyses from process engineering teams to ensure proper hygienic zoning while maximizing the use of space in the facility for operations and maintenance.
- **FACILITIES MAINTENANCE** – comprehensive cataloging of all building materials and warranty information allows for more efficient maintenance.



To learn how Stellar can add value to your next project through building information modeling, contact **Todd Allsup**, Division Vice President, Corporate Sales, at **904.899.9339** or **tallsup@stellar.net**.