

Consolidated Construction Company (CCC) Implement Autodesk® Revit®



→ THE CUSTOMER

Consolidated Construction Company (CCC) specializes in design-build construction, general contracting, and construction management for commercial, retail, hospitality, medical, manufacturing, and industrial clients. The company, founded 56 years ago in North Dakota, moved to Appleton WI in 1964; in 1984, CCC transitioned into the second generation of family ownership.



→ THE CHALLENGE

CCC needed a solution that would improve visual communication with their clientele and help them stay ahead of the competition.

→ DESIRED OUTCOME

CCC wanted the ability to create 3D models to help their clients visualize their building designs. This added functionality would give them an advantage over the competition – in addition to making the process smoother for their customers. Their clients often had difficulty envisioning the blueprints or 2D drawings they provided.

→ THE SOLUTION

CAD Manager Scott Mellberg stated, "We got a last minute call from one of our clients to price check us against the competition. We used Revit and showed them a couple different designs; they threw out some hypothetical situations like, what if the roof did this? With Revit's parametric change technology, we were able to quickly make the changes, allowing them to see how that changed the structure; they were amazed! The software allowed our client to see how changes would affect their building and provided them with a more realistic picture of the building."

"The custom training provided by IMAGINiT, allowed us to apply some real world scenarios, things that we go through on a regular basis, instead of sitting in a classroom. The materials were specific to our industry and covered what we needed the program to do for us. The time-savings lead to cost-savings," remarked Scott.

→ ACTUAL RESULTS

"Another big factor in choosing Revit was the coordination of drawings. Typically in AutoCAD, if you're drawing in 2D and you add a window in a floor plan, you have to open the elevation sheet, make a change there, and add it in the schedule - a multi-step, time-consuming process. Many times things get overlooked in this process. When you add a window and you're doing 20 other things at once, you forget to put it in the schedule. Now with Revit, we make one change and it flows through everywhere. We hand the schedule to the subs to bid and many of those problems are eliminated because everything updates automatically. Using Revit is a big benefit to the company; all the plans match up! We found that our clients are more confident in our ability when they can see they are getting the best value and understand the type work we can turn out," remarked Scott.

"Revit has helped CCC win business because the initial proposal looks like a photo; we take it to a board meeting or put it in front of the clients and it makes them feel more like they own the project, especially when they can see the building even before any ground has been moved. We've used it for fundraisers; it really helps get the decision makers more involved in the decision making process," Scott concluded.