



B&I CONTRACTORS

B&I Contractors + EVOLVE:
A Case Study in Maximizing Technology

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B&I CONTRACTORS

For the past 62 years, B&I has provided exceptional performance in mechanical systems, service, electrical, plumbing, and cross-discipline maintenance for commercial building contractors and the structures they build.

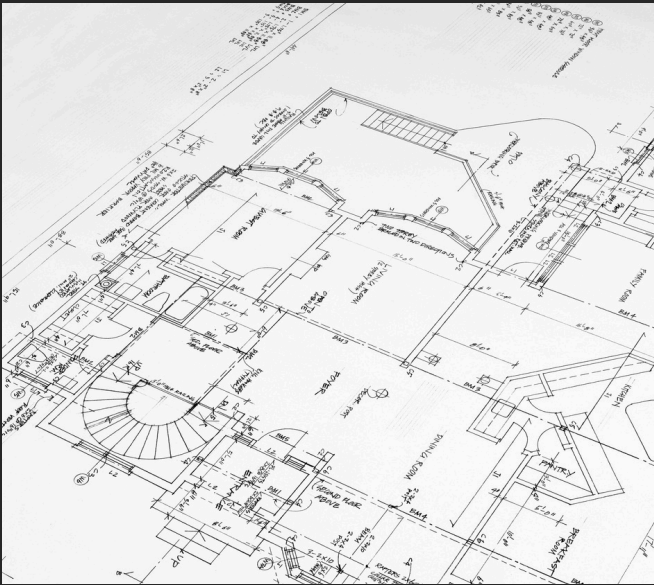


EXECUTIVE SUMMARY

An employee-owned company, B&I Contractors is dedicated to providing its customers with quality installation and service of mechanical, electrical and plumbing systems, while offering the best value through progressive and innovative solutions. With \$1.8 billion in revenues over the last 30 years, its 700 professionals have worked on 4,000 projects across five Florida offices. An early adopter of technology, B&I has found EVOLVE highly beneficial for smart growth with benefits including:

- Reduction of time placing hangers by 80%
- Reduction of spooling time by 25%
- Reduction of time renumbering by 25%
- Ability to move more quickly into utilization of prefabrication
- Easier hiring of new talent

THE CHALLENGE



Over its 60-year history, forward-thinking B&I has always used technology to provide its customers with better service.

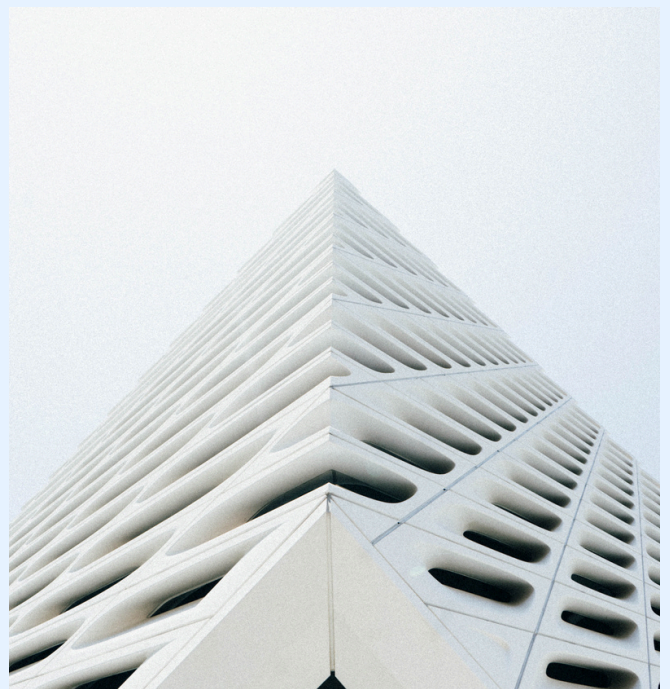
In 2017, the company moved to Revit and saw a significant boost in quality and productivity. Shortly afterward, Revit was enhanced with EVOLVE to help meet the challenge of too few skilled employees for the company's many projects.

Company management knew it needed to maximize resources by giving employees the tools that would make them more efficient.

Two major problem areas were hanger placement and spooling. For one building, it took over a week to create 2,500 hangers for the ductwork – a significant amount of manpower and project time.

Additionally, B&I wanted help in auto-tagging and with a lineup tool to set up multiple sets of pipes.

"Another big thing for us was the layout points. Being able to export the hangers and the sleeve points all into one file – not have to go to AutoCAD – and just send a CAD file and a TFL file to our Trimble tool was important to us," said Shawn Sandstedt, CAD Manager.

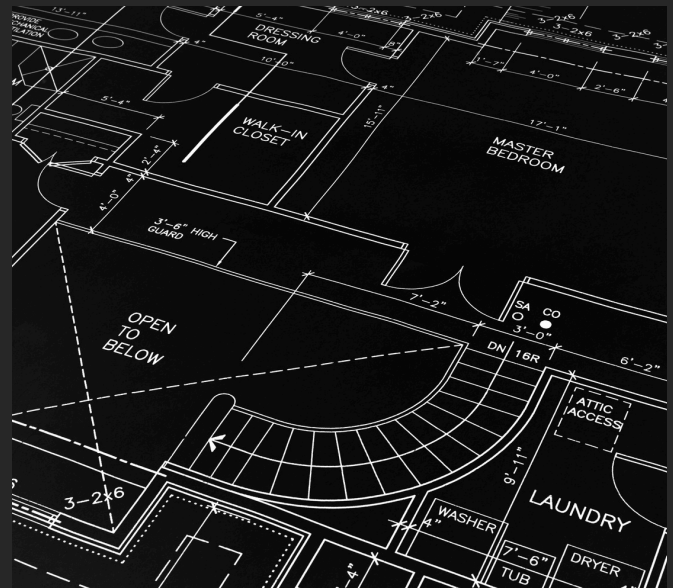


THE OPPORTUNITY

"Currently, we've been doing about 20% of our field install as prefab, but we're trying to push it out to 70%. EVOLVE is going to help us make that transition better."

A strong advocate of technology improvement for his company, Shawn had excellent experiences with Revit and EVOLVE Origin.

Knowing there were other opportunities for improvement that could be gained, he turned to EVOLVE Mechanical.



Starting with several people and specific features, he now has expanded both usage and applications for the software across the company. Shawn also found the discovery and onboarding processes easy.

"Within an hour of calling EVOLVE, I was contacted and given recommendations based on my needs."

He added that he is constantly searching for places in his organization where using additional features of the platform will reduce time inputs without compromising quality.





Like everyone else, we've had a hard time getting qualified employees. Revit and EVOLVE have helped us better utilize our own resources as well as attract new talent who wanted to work with us because of how we use technology.

Shawn Sandstedt
CAD Manager

THE RESULT

“One of the most dramatic results has been the time saved in hanger placement. What used to take forty hours is now down to eight.”



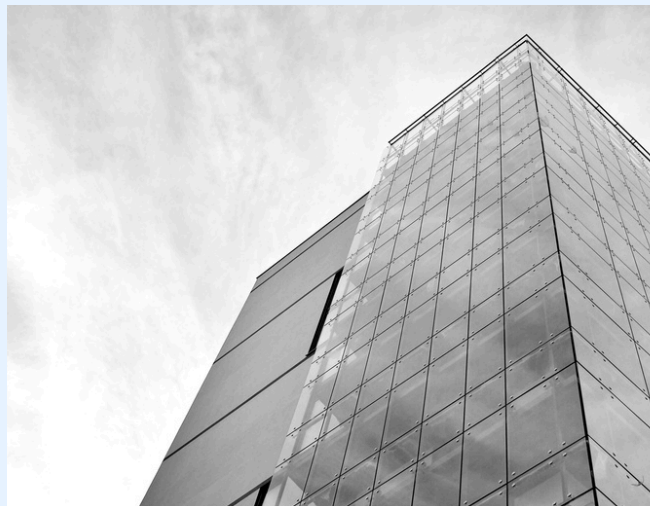
This has freed up time for the B&I team to take on more projects because tasks can be completed more efficiently.

“The point layout has also been huge, being able to export points and not having to use APO anymore,” commented Shawn. “I have the points built into some of the features of the families, and it’s saved us a ton of time. Now we do everything inside Revit, export files to our Trimble, and then we’re pretty much done from there to drive to the field.”

EVOLVE will also help B&I move into the future. As the company focuses more on prefab construction, with a goal of increasing it from 20 to 70 percent of field installation, Shawn believes EVOLVE will be an important tool in accomplishing that goal through the use of model-linked data to improve the prefabrication workflow.

THANK YOU!

Inspired by B&I Contractor's success story?
Get in touch with us to start your journey
toward outstanding results.



Contact us!