



CLEVELAND ELECTRIC

How EVOLVE helped Cleveland Electric get further ahead by making their process faster and easier.

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OVERVIEW

With nearly a century of experience in electrical and mechanical construction services, Atlanta-based Cleveland Electric grew to become one of the most trusted names in the specialty contractor market, providing innovative electrical, mechanical, technology services and preconstruction solutions to clients in and around Georgia.



BACKGROUND

Consistently named one of the top contractors in the Southeast United States, Cleveland has worked on some of the signature construction projects in the region, including major upgrades to MARTA stations around Atlanta, the Atlanta Falcons training facilities and various projects on Emory University's campuses. The company's portfolio of Forbes 500 clients include Coca-Cola, Anheuser-Busch, Hewlett-Packard and AT&T.

Although the company was dedicated to innovative solutions to solving problems and increasing efficiencies, Cleveland the company, found that although Cleveland had already integrated solutions into the company--like bringing a pre-fab shop in house--they weren't capitalizing on the expected efficiencies.

THE CHALLENGE



With more than \$130 million in revenue and 700 employees, Cleveland has worked for some of the top employers in the region on key projects: MercedesBenz Stadium, the High Museum of Art, and numerous buildings on the campus of the Centers for Disease Control and Prevention.

The goal of integrating the in-house prefab shop was to reduce the amount of work done in the field so the company could get a better handle on overall costs. "Over the years, construction has not improved in the field," said Bauman. "The main focus here is to try to get manpower off the job. It's to try to build as much as we can in a manufactured facility."

"Prefab is the ultimate goal," comments Mike Jensen, Cleveland's Director of Virtual Construction. "I see prefabs as taking something unknown from the field and putting it into a known environment, and the more things you can move to the fab shop, the more things you can make that known quantity, the sharper you can make your pencil when you're going after work."

Cleveland wanted to accomplish a number of things: reduce "re-work" and "new-work" in the field; improve the efficiency and volume of the company's pre-fab shop; and better use the tools and technology available to them instead of reverting back to hand drawings. And they wanted to do it in a way that would not upset the already-busy workflow of their staff.

"Before we started using EVOLVE, there was so much manual drawing in the BIM department, that was bogging us down on being able to get ahead of the game," Bauman said.





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Andy Bauman
Fab Shop Manager

THE OPPORTUNITY

“One of the biggest opportunities we saw with EVOLVE is the ability to produce more efficiently.”

-Nathan Rheinhardt, Group Manager

The parts were all there: the pre-fab shop, the clients, the skilled craftsmen. What wasn't there was the process to make it all work together in a dynamic, economical way.

“There are a lot of tools in the software that make things easier or quicker to do,” Nathan Rheinhardt stated.

The EVOLVE team helped Cleveland customize the software solution to meet their needs, which included simplifying the on-boarding process to adopt the software because Cleveland brings electricians in from the field to do some of their modeling, so they want to avoid a steep learning curve.

It makes the BIM guys able to design quicker, which give us time to be able to give us processes in the fab shop, give us spool sheets, and get designs makes it more efficient,” Bauman noted.

Manual drawings were out for the pre-fab shop. Now they were getting drawings and models with precise measurements from which they could create assemblies to the most current specs and send them to the field. Accuracy increased and mistakes decreased.

“With EVOLVE software, it is so much better, so much quicker, so much further ahead that we're, we have the ability to plan it.”

THE RESULT

Integrating EVOLVE into their fab shop processes has been a blessing for Cleveland Electric and its employees. From the BIM team to the shop workers, the workflow of projects-- particularly those last-minute or emergency tasks--has smoothed out and the shop has increased its productivity.

TESTIMONIALS

"Right now, we're able to produce a lot more volume from the model," Rheinhardt stated. "We're able to model more because we have the tools through EVOLVE to create drawings that prefab can create these assemblies or spools and those can go to the field. So it's really driving volume and the amount of work that we can do."

The adoption of the technology has been greeted positively by the Cleveland team, an important factor to a company that believes its employees are family.

"We've got nothing but positive feedback from our prefab group," Jensen commented. "Where it's usually we get nothing but complaints, now they're like, 'Hey, this EVOLVE stuff is the best thing ever!'"

Watch the [video](#) to hear directly from the Cleveland team about their experience and the transformative impact of partnering with EVOLVE.

THANK YOU!

Inspired by Cleveland Electric's success story?
Get in touch with us to start your journey
toward outstanding results.



Contact us!