

CASE STUDIES MAY 24,
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Case Study: How Miller Electric Reduced their Modeling Time by 40%



Augmenta

Written by
Augmenta

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Case Study

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The Challenge

Miller Electric Company is an American electrical engineering firm established in 1928 with an annual revenue of around \$600M, 19 office locations, and more than a thousand employees. Miller Electric Company faces typical but urgent industry challenges associated with designing electrical raceway systems for large-scale commercial buildings:

- A process that is highly complex and time consuming
- A shortage of experienced design talent
- Tight schedules and cost constraints

They are eager to find ways to make their design teams more efficient, using new processes and technologies.



Hospital setting with emergency room signage. Photo credit: Graham Ruttan from Unsplash.

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their traditional design processes. They retroactively automated the design of electrical conduit for two medical facilities.

The Result

Augmenta enabled Miller Electric Company to significantly increase the capacity of their VDC team. They realized around **40% time-savings in electrical modeling time across their Augmenta pilot projects** - the equivalent of adding 2-3 BIM team member's time, without adding more overhead costs.

Furthermore, they predict that with time-savings and the Augmenta platform's capability to estimate material and labor costs, their VDC team will be able to provide detailed estimates both during bidding and when responding to change requests. Ultimately, Augmenta will enable Miller Electric Company's VDC team to maintain a competitive edge in the evolving construction sector.

"Augmenta provides a solution for aggressive project schedules, scaling teams and minimizing rework in the preconstruction phase of projects."

"Our Pilot Program with Augmenta provided tangible outcomes that we can make business decisions around. Their support and engagement during the process was excellent with skilled team members who understand electrical construction. Our preparedness with a highly developed PreConstruction Process and Detailed tracking internally, aided in the "Apples to Apples" takeaways. A differentiator to the Augmenta product, is that the solutions are utilizing a level of model development that can be sent directly to fabrication."

- Adam S. Davis, Sr. Manager of Fabrication & Modularization, Miller Electric Company

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Established by a pioneer in Generative Design, Augmenta is an innovative AI firm spearheading enhanced efficiency in the physical industries through automated design solutions. Since its inception in 2018, Augmenta has garnered recognition, including a spot in CB Insights' AI 100: Most Promising Artificial Intelligence Startups and Top 50 Generative AI startups in 2023.

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