



Bowen projects: Ongoing construction of ELG (Effluent Limitation Guidelines) facility and completed NPDES (National Pollutant Discharge Elimination System) facility at a power plant in Kentucky

# Bowen Engineering Chooses Autodesk Build After Rigorous Evaluation Process

## The Company

Headquartered in Indiana with operation centers across the United States, **Bowen Engineering** is a self-performing general contractor that delivers construction services including site, civil, structural, boilermaker, and mechanical construction for clients in the water/wastewater and energy/industrial industries. Experts in industrial water, combined sewer overflow (CSO), effluent limitations guidelines (ELG), and coal combustion residuals (CCR), Bowen has constructed more than 1,000 treatment facilities and has strong physical-chemistry, biological, and evaporator experience with multiple technology partners. With 360 full-time employees and 800 project-based craft and trade professionals, Bowen strives to be the most resourceful and responsive construction company in the country.



## The Challenge

For nearly a decade, Bowen's onsite construction workers, including general contractors, subcontractors, and owners used PlanGrid software, which digitized drawings and provided real-time access to project plans, issues, photos, forms, and more.

"While our team was happy with the functionality of PlanGrid, our continued expansion led to the need for the efficiencies that a more comprehensive project management solution would provide," said Jared Redelman, Corporate Controls Manager, Bowen. "To determine which solution was best for Bowen, we thoroughly evaluated the top four, testing them on real projects and talking in-depth with company representatives about our requirements and expectations."

One of the four construction management solutions evaluated was the Autodesk Build component of Autodesk Construction Cloud, which PlanGrid evolved into after it was acquired by Autodesk in 2018. With Autodesk Build, critical project information is stored in a central location in the Cloud, making it fast and easy for construction professionals to quickly get their hands on current documentation, such as plans, files, issues, photos, forms, assets, RFIs, submittals, meeting minutes, schedules, and much more.

## The Solution

After a detailed, systematic testing process, Bowen decided to move forward with Autodesk Build for two main reasons:

1. Its robust functionalities aligned with their needs
2. Autodesk was open to suggestions and feature requests

"At Bowen, we value partnerships more than products," said Todd Swain, director of IT. "Unlike other firms we evaluated, Autodesk was not only receptive to our suggestions, but they also wanted our feedback. In fact, they had implemented some of our recommendations before we became a customer."

Once Bowen selected Autodesk Build, they turned to IMAGINiT for implementation and support because of a successful relationship with the company through their long-term account manager.

They developed a plan to implement Build components in phases, so users could get their feet wet with some functionality while an internal committee further explored the other components and determined which to implement and when.

The plan included working with IMAGINiT for:

- Autodesk Build software configuration including custom form creation
- Setting criteria for user security and permissions
- Knowledge transfer so Bowen could implement the software with expert guidance and oversight.

## The Results

"IMAGINiT has been tremendously helpful in our ability to smoothly roll out each Build component to our teams of employees and craft/trade professionals," said Todd. "We have bi-weekly calls with our IMAGINiT account manager, who brings in other IMAGINiT experts as needed to provide answers to questions that come up as we vet each module, write the Standard Operating Procedures, and create the communications. Their guidance has helped us decide on the order for installation as well as to get user buy-in with every change."

So far, Bowen has implemented the Sheets, RFIs, Submittals, and Issues tools. The next step is the Cost Control component, which will centralize construction project costs on a single platform in the Cloud. "At that time, we will turn to IMAGINiT for help integrating Build with our ERP system," said Jared.

In addition to implementing Build, IMAGINiT has assisted Bowen with the proper usage and administration of their Autodesk Flex licensing as well as the selection and purchase of reality capture hardware and software.

"Our IMAGINiT account manager is our go-to person for all Autodesk and technology-related questions. Regardless of the topic, he is able to bring in an IMAGINiT expert to help," said Jared. "This relationship saves us time and allows us to confidently move forward, knowing we will always get accurate information, and not a sales pitch."

**You can confidently partner with IMAGINiT, an Autodesk Elite Construction partner, to identify and implement the right technology solution for your organization's needs.**



Bowen project: Plant capacity expansion project at a wastewater treatment plant in Indiana

## Solutions Beyond Software

IMAGINiT Technologies, a division of Rand Worldwide, helps architectural, engineering and construction teams become more proficient in the use of technologies to design, develop and manage complex projects faster and more cost-effectively.