

Applied Software successfully implements a customized BIM Workflow

ANDY J. EGAN CO.

Andy J. Egan Co. is a pre-eminent, full service, mechanical contractor. Currently, Andy J. Egan Co. maintains two offices, a state of the art 60,000 square foot manufacturing shop, and continues to fulfil Mr. Egan's original vision.



Overview

The Goal

Since 2001, Andy J. Egan Co. has been working on improving their QAQC and enhancing efficiency by integrating their operations and management into a BIM framework.

Up until 2013, Andy J. Egan Co. was using BIM for design, manufacturing, and coordination of plans with other trades. In 2013, Andy J. Egan Co. began working with Applied Software on a project to further integrate their workflows into a BIM framework.

This time, the goal was to integrate their field operations into a cloud based management tool. The new workflow needed to be customizable to match or improve their existing workflow. The workflow then needed to provide a tool for weekly coordination meetings to take place continuously on an ongoing basis.

Finally, the new workflow needed to provide equipment and spool tracking, with real time updates. Most importantly, Andy J. Egan Co. wanted to roll out the new workflow companywide. Based on their past experience, we decided upon a carefully phased rollout.

Implementation Solutions:

1. Customize software to integrate field workflows
2. Implement cloud based field and coordination tools
3. Integrate equipment tracking workflow into cloud based field management tool



The Solution

Once the decision was made to move forward with the implementation, Applied Software worked with Andy J. Egan Co. to begin implementing the new workflows.

A big part of the initial set up was to customize the software to match Andy J. Egan's existing workflows. Next, Andy J. Egan Co. wanted their new workflow to improve coordination between trades and field management.

Traditionally, weekly coordination meetings were held on jobsites and issues were brought up with the other trades. The goal of the new workflow was to create a tool that allowed the same process as ~~with~~ the weekly coordination meetings, to happen consistently via an ongoing process.

With the new workflow, as issues were documented through the cloud based field management tool, the appropriate contractor was immediately notified and issues were resolved on an ongoing basis. The new workflow kept everyone on the same page and allowed faster reactions to any problems on a jobsite.

Finally, the other main goal was to track equipment in the new field management tool. With the new workflow, the equipment or spools could be tracked in the cloud from manufacturing - through shipping, receiving, installation, inspection, and final commissioning. At every step of the process, photographs could then be attached to give a visual description of each step.

With the ability to track equipment and spools, Andy J. Egan could now see how much progress had been made on a job, how much money had been spent, budget updates, and what the estimating team expected.

Now, the field management team could spot a problem developing at the front end of a job and take action early to correct the problem.

"We are trying to push our entire workflow to the next level. At first, we tried going it alone but didn't get the results we were looking for. Based on this experience, we plan on using more consulting in the future. Applied Software's expertise is very valuable and we appreciate all of the knowledge they shared with us. In our business, every job has chaos on it but now with our new workflow the chaos can be dealt with at the front end. Thanks to Applied Software for their help on the job; they were great with the implementation and the training!"

- Chris Weaver, Design Engineer, Andy J. Egan Co.