OpenSpace Automates Visual Documentation Saving Time & Money

Superintendent used OpenSpace to accelerate visual documentation by 30X and prevent $50K in rework costs.

Goal: Faster, More Complete Jobsite Documentation

Tim Crawford is a superintendent who has worked on a wide range of construction projects throughout his career. "In my world, jobsite documentation is a huge chunk of time. My assistant would spend hours per week taking pictures, transferring them to the computer and ultimately to Procore," Crawford said. "But you need to have pictures of everything. Otherwise there's no proof of what was done."

Based on the strength of OpenSpace's technology and easy-to-use interface, Lendlease decided to use OpenSpace to help automate its jobsite visual documentation.

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Strategy: Deploy OpenSpace for Automated Jobsite Documentation

OpenSpace's technology captures 360-degree imagery of the jobsite and uses AI to map the imagery to build plans. Using an off-the-shelf Garmin 360 camera mounted to a hard hat, OpenSpace passively captures 360 photos while you do your normal site walks. "It's a fully automated system. You just hit 'start' and it does everything for you," Crawford said.

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> Tim Crawford, *Superintendent*

Crawford's team used OpenSpace to capture imagery of the jobsite more quickly and more frequently, creating a near-daily record of the site and work completed. "My PE saved hours each week by using OpenSpace. It's not so much the taking of the photo—that's the easy part—but remembering to take the photos is the hard part, and you can't know in advance what the important part is... Having the camera on the hard hat means it's already there and you can capture everything."

Results: More Reliable Documentation—and $50K Saved

Crawford and his team have enjoyed multiple benefits of using OpenSpace technology, including:

- **Time savings:** Documentation is faster than previous smartphone capture and upload, freeing up nearly one-half a workday each week.

- **More complete documentation:** The team routinely captures thousands of images per week, up from a previous high of 1,700, while decreasing the amount of time spent on progress photos by 30X, since the photos are automatically mapped to project plans.

- **Rework prevention:** Crawford stopped a $50K PCO by reviewing the ground-truth information in OpenSpace "Without OpenSpace, we either would have paid the CO or gotten into a long fight," Crawford said. "This is the way we are all going to do construction going forward, no doubt. A picture's not just worth a thousand words. It's worth a few million dollars."

- **Accountability:** Subcontractor relationships have improved by using OpenSpace, since they know there is ongoing 360 documentation of their work.

- **Cost savings:** OpenSpace makes it easy for owners to watch the site remotely, saving on travel costs by eliminating numerous walkthroughs.

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