



SUFFOLK: Saving time and improving results with Smartvid.io



One Dalton Street, Boston MA

SUFFOLK IS “BUILDING SMART”

Suffolk's vision is to “transform the construction industry by building smart.” With \$3B in annual revenue, Suffolk has extensive operations across the US and is regarded as one of the most innovative companies in construction for its adoption of “smart” new technologies and building methods.

Today, Suffolk manages some of the largest and most complex projects across every major industry sector, including healthcare, science and technology, education, federal government, gaming, aviation and commercial. One of these projects that is transforming the Boston skyline is the Four Seasons Hotel & Private Residences -- a 61-story mixed-use development located at One Dalton Street. When completed, One Dalton will be the 3rd tallest building in Boston.

MAKING PROGRESS

One Dalton's large scale (742 vertical feet), aggressive schedule, and downtown footprint posed significant but not unfamiliar challenges for Suffolk. As part of its overall management system, Suffolk always follows a disciplined process for documenting its work visually. The visual record of in-process and completed work at jobs like One Dalton is crucial to providing visibility for a GC's own project team and execs, its subcontractors, and owner's representatives (e.g., Four Seasons) in order to manage the project schedule and document the quality control process.

Suffolk's project managers and field engineers were spending 30-40 person hours per week painstakingly documenting progress and critical project milestones with photos and written records. According to Assistant Superintendent, Shane Sampson, taking photos was pretty simple, but the process of loading them to the company's file sharing system and labeling them was

incredibly time-consuming. Additionally, managing consistency and compliance to the photo documentation process across a project of such large scale was time consuming.

A BETTER WAY, BETTER THAN SIRI

Since first adopted in 2016, Suffolk has standardized on Procore for tracking and managing literally thousands of scheduled activities through its use of checklists, RFI's, submittals, and document controls. At One Dalton, Suffolk used Procore's direct integration to Smartvid.io to sharply improve the speed and quality of its progress and key milestone documentation processes.

Suffolk's old approach to documenting progress involved taking lots of photos, downloading and labeling them manually, and uploading to a server. Now, field engineers take daily narrated videos and photos that are automatically sorted and indexed by Smartvid.io's machine-learning powered "SmartTags". As Sampson puts it, "Video is faster to capture than a bunch of photos and our teams can now simply speak - like with Siri - to indicate any location, room numbers, construction processes, or sub-contractor names that describe the work being documented. Smartvid.io does the hard work behind the scenes to automatically 'label' our videos and photos with its speech recognition engine. It's better than Siri because we define what we want the SmartTagging engine to be listening for - like room and floor numbers."

Suffolk's new approach for tracking progress has cut the time required for progress tracking and milestone documentation by over 60% while also creating a dramatically better, more comprehensive visual record. As Shane explained, "Smartvid.io saves us lots of time but also gives us a much better way of capturing the visual record of what we do everyday." The combination of Procore and Smartvid.io is powerful. Shane notes, "all of the tags that Smartvid.io finds go into Procore as descriptions in the photos so they are searchable immediately. This reduces the amount of time field personnel have to spend and removes any need for re-entry into Procore." It's a win-win," says Shane, "our field teams can save time and our other team members see the information show up automatically in Procore so they don't need to learn another system."

Smartvid.io's integration with Procore also makes it easy to search for specific images or snippets of video footage that can be shared with colleagues and subs in one click to solve problems that inevitably arise on complex projects. "Early on at Dalton, we accidentally buried grounding rods in 2 six-foot columns. Smartvid.io and our own detailed records made it easy to locate the grounding wires and correct the issue with minimal cost and no impact at all on our schedule."

<i>Manual Progress Tracking</i>	30 hours per week
<i>AI Driven Video Process</i>	10 hours per week
<i>Time Saved</i>	20 hours per week

1 + 1 = 3

Smartvid.io's integration to Procore takes 90 seconds to set-up and it maintains a 2-way sync between both systems so that all photos and videos are viewable and searchable in Procore based on Smartvid.io's AI indexing including both speech and image recognition. According to Ajoy Bhattacharya, Senior Director of Innovation, Suffolk is a big fan of the integration and is currently extending it to connect every project at Suffolk. "Over the past couple years, it has become super easy to capture photos and videos on jobsites; now with Smartvid.io and Procore working together, we're able to easily organize all this visual data and - better yet - use AI to find insights related to quality and safety on our jobsites."



Assistant Superintendent Shane Sampson taking a photo with audio to quickly document progress at One Dalton

SUFFOLK

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Suffolk is a national building construction firm based in Boston, MA with a clear vision to "transform the construction industry by building smart."

SMARTVID.IO

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Smartvid.io is a software company headquartered in Cambridge, MA which provides machine learning tools for the management and analysis of industrial media.