Increase Productivity with Automatic Visual Audits
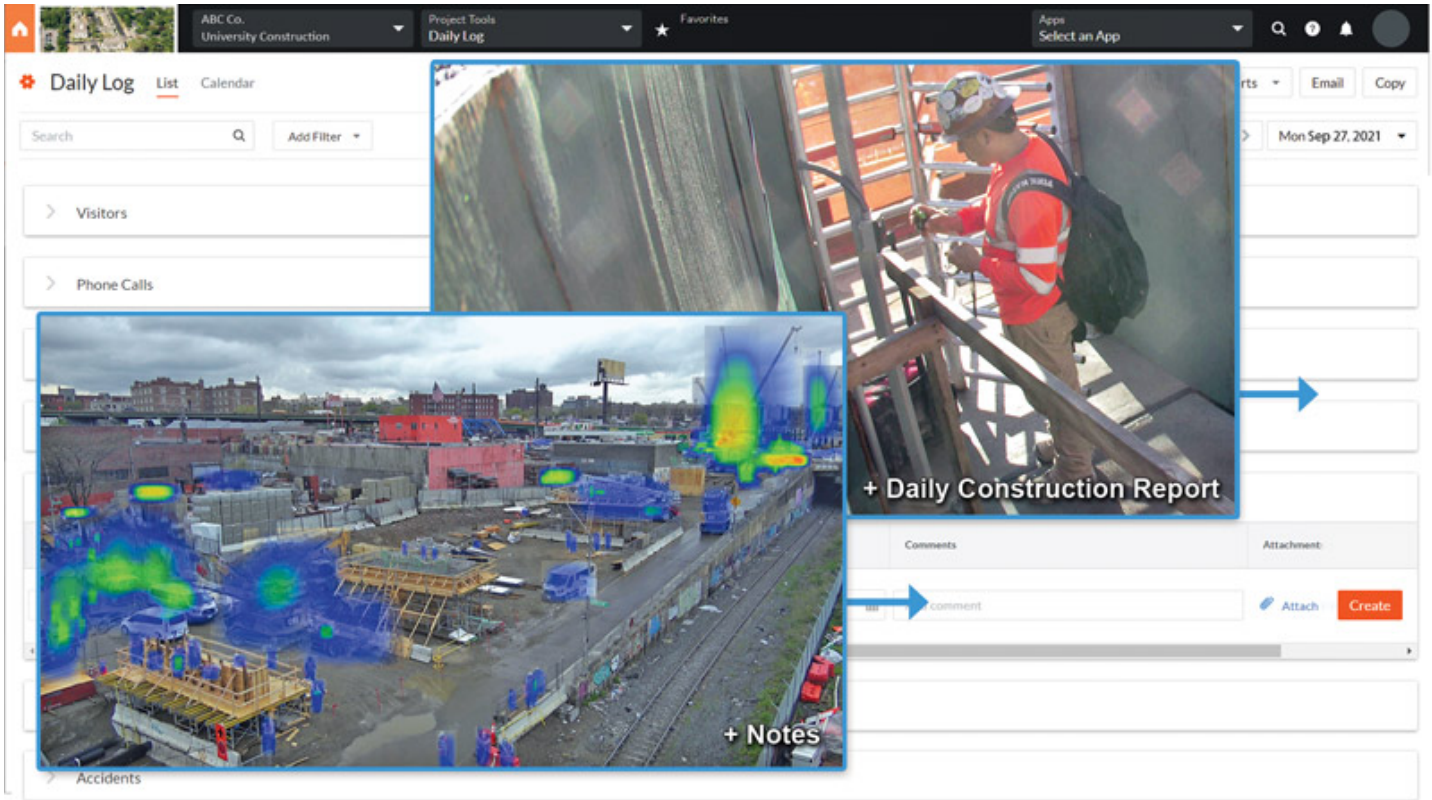
October 22, 2021

For this year's Procore Groundbreak, EarthCam announced its fifth-generation integration with the most widely used construction soft-ware platform. As the leading job-site camera provider for Procore, EarthCam unveiled advanced image automations that make daily reports more informative, keep workers safe and make project management more efficient. Using new AI object recognition technol-ogy, visual audits are automatically generated and sent to Procore, and a wide-range of live webcam imagery can be pushed to the platform, producing a real-time, single source of truth to drive productivity.

EarthCam's comprehensive integration already supports the embedding of job-site photography in most Daily Log sections, including **Weather, Inspections, Accidents, Safety Violations, Equipment, Waste,** and **Photos**. Today, EarthCam is fully automating several more sections, so that 100% of Procore's image-ready Daily Log entries can be augmented with actionable, high quality video.

New Daily Log automations:

- **Safety Violations.** New AI-powered proximity detection documents when a vehicle and a worker, or two workers come into close proximity with each other. This is annotated and highlighted to provide impactful educational images for risk awareness, social-dis-tancing and close-call mitigation. This technology can also be used to flag exclusion zones – or mark areas where no workers or equipment should be.

- **Equipment.** EarthCam's in-house team of engineers and data-scientists have dramatically enhanced accuracy levels for AI iden-tifications. For Construction Vehicles, EarthCam has exceeded typical industry dataset benchmarks by 19 percent. Unlike other solutions, which rely entirely on slower, server-side analysis of prior recordings, many of EarthCam's analytics are deployed on the 'edge' in real-time, meaning that cameras do all the work instantaneously and accurately, creating a cost effective solution for customers.

- **Daily Construction Report.** Video clips are uploaded to accompany perimeter entry/exit timestamps. Through EarthCam's integration with Triax Technologies' Spot-r suite of worksite solutions, video is automatically captured at the moment each worker enters and leaves the site. Contractors and owners have visibility from their Procore dashboard into who is on site, their trade, and other valuable data.

- **Notes.** Heatmap images highlight areas where activity levels are high. These reality captures can identify and resolve inefficiecies in jobsite flow or manpower management.

In addition to these new automations, photos or videos can manually be pushed to new sections including **Manpower, Notes, Waste** and **Delivery** entries – for example – to capture evidence when shipments or packages arrive onsite. Content is digitally encrypted with time and date, then recorded as a Delivery Log.

With pioneering new applications for AI-powered object recognition, EarthCam is continually developing richer visual experiences for a more informative jobsite. EarthCam provides end-to-end services, including camera rentals, same-day delivery and professional installation. Learn about the deeper Procore integration and the benefits for construction industry professionals, visit EarthCam's virtual exhibit.