



PATHFINDER UAV SERVICES
LLC

THE BENEFITS OF
**CONSTRUCTION
PROGRESS
CAPTURE**

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Building Smarter, Faster, and Better

In the fast-paced world of construction, where timelines tighten and budgets stretch, staying on top of a project's evolution is no small feat. Enter construction progress capture—a game-changing approach that leverages technology to document, track, and analyze a build from groundbreaking to ribbon-cutting. Whether through drones, 360-degree cameras, or advanced software, this method is transforming how builders, architects, and stakeholders collaborate. Here's why construction progress capture is becoming indispensable—and how it's delivering real, tangible benefits.

PATHFINDER UAV SERVICES

OUR PROMISE TO YOU

At Pathfinder UAV Services, we prioritize the delivery of precise, timely, and thorough results for our clients. Your projects are our foremost concern.

Specializing in the construction sector, we recognize the critical importance of conducting operations that are not only safe and professional but also efficient in meeting project timelines. Our expertise ensures that we adhere to industry standards while providing innovative solutions tailored to your needs.



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Enhanced Project Visibility

Imagine having a bird's-eye view of your site, updated daily or weekly, accessible from anywhere. Progress capture tools like drone photography or time-lapse cameras provide just that. By creating a visual record of every phase—foundation pouring, framing, roofing—teams gain a clear, real-time understanding of where things stand. No more relying on vague status reports or surprise site visits. For project managers juggling multiple builds, this transparency cuts through the noise, ensuring nothing slips through the cracks.

Improved Accountability and Coordination

Construction is a team sport, and miscommunication can derail even the best-laid plans. Progress capture creates a shared, objective timeline of work completed. Photos or videos tagged with dates and locations hold subcontractors accountable—did the drywall go up on schedule? Was the plumbing roughed in before the walls closed? When disputes arise, there's no he-said-she-said; the evidence is right there. Plus, with cloud-based platforms, architects, engineers, and owners can review progress remotely, aligning everyone on the same page without endless meetings.



METHODS OF CAPTURE

We utilize both aerial and ground methods to capture your site. These methods include aerial video, photography, 360 images, and virtual tours. These are combined to create customized deliverables that align with your requirements.



DELIVERABLES

Our deliverables can be provided in three convenient formats to suit your needs. You can receive individual files that you can use with your software, or opt for a virtual tour of your project for a more immersive experience. Additionally, we can utilize programs like Drone Deploy to view of your project.



Streamlined Documentation and Compliance

Every construction project comes with a paper trail—permits, inspections, change orders. Progress capture simplifies this. A timestamped image of a completed foundation can prove compliance with local codes, while a video walkthrough might satisfy an insurer's requirements. When disputes or legal claims pop up years later, that archive of visual evidence is gold. It's not just about covering bases; it's about building a defensible, organized record without drowning in paperwork.

Data-Driven Decision Making

Beyond pretty pictures, progress capture generates actionable data. Software can analyze images to measure completion percentages, track material usage, or even predict delays based on historical trends. For example, if concrete curing is lagging in one area, managers can reallocate resources before it bottlenecks the next phase. This isn't just gut instinct—it's precision planning, backed by a digital twin of the site. Owners love it too; they get hard numbers to justify investments or adjust financing.



SAFETY

Safety is our top priority at Pathfinder UAV Services. Our pilots hold FAA Part 107 certificates and strictly comply with all regulations. All personnel at your sites will adhere to site safety protocols and utilize the necessary PPE.



Faster Problem Detection

Mistakes in construction can be costly—both in time and money. Progress capture acts like an early warning system. By comparing daily captures against design plans (often using AI or reality capture software), teams can spot discrepancies before they snowball. A misaligned beam, an out-of-sequence installation, or a safety hazard becomes visible sooner, not later. Fixing a problem on day 10 is a lot cheaper than tearing out work on day 100. This proactive edge keeps projects on track and budgets intact.

Marketing and Client Engagement

A stack of blueprints doesn't wow clients, but a time-lapse of their dream taking shape does. Progress capture doubles as a storytelling tool. Contractors can share updates with clients, showing the parking garage rising or the office lobby coming to life. It's a tangible way to build trust and excitement. For developers, these visuals are marketing gold—proof of capability for future bids or a showcase for prospective tenants. In a competitive industry, that edge matters.

The Future Is Already Here

Construction progress capture isn't a futuristic pipe dream—it's happening now. Tools like OpenSpace, DroneDeploy, and SiteAware are already staples on sites worldwide, from skyscrapers to subdivisions. As tech evolves—think AI overlays or augmented reality—the benefits will only grow. What started as a way to snap better photos is becoming a cornerstone of modern project management.

In an industry notorious for delays and overruns, progress capture is a breath of fresh air. It's not just about keeping up; it's about getting ahead—delivering projects that are safer, smarter, and more profitable. For anyone still scribbling notes on a clipboard, the message is clear: the future of construction is being captured, one frame at a time.