If you're a small construction business owner, perhaps you struggle to manage and monitor remote sites. You might have even considered investing in drone technology to help with this, but you want to make sure it

Many construction business owners are hesitant to take the plunge with this emerging technology. In fact, our recent survey shows that almost 60% of construction businesses are still not leveraging the potential of drones, while those that have already invested in drone tech

the construction industry to help you decide if drone technology is right for your business.

F A D C I (A C)

Our 2023 Construction Feedback Survey reveals that while most construction business owners are not investing in drone tech, the ones that have invested in it see its value.

In a nutshell, drone technology is about gaining a new perspective. Monitoring and managing construction zones on the ground are one thing, but what if you could zoom out and up to get a birds-eye view of what's happening at your sites?

Even though they are critical, inspections can also feel like an inconvenience. They require someone to conduct a visual assessment of the site, looking for a list of

inspection. Some inspections, such as ones conducted by site managers, occur daily, while others, such as health

frequently. These inspections take time and can mean pausing work until they are complete. Drone technology not only speeds up the inspection process, but they can also gather more detailed and accurate information than a human can.

As a result, more than half (51%) of small construction business owners reported that construction site

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You have a remote job site. Even though it is remote, it still needs to be inspected to make sure everything is up to code — the workers are safe, the site itself is set up the way it needs to be, and there are no potential hazards lurking.

But getting an inspector there in-person is logistically challenging and takes more time than you'd like to spend waiting for them to get there, do the inspection, and then share their assessment.

This is where a drone would come in.

An experienced drone pilot can maneuver a drone in a fraction of the time a manual inspection would take and can gather data on every nookuveg,by-nyn of the job sitd

weather patterns, topography, existence of accessible routes).

Since you and your crew may not know the details of the entire design, it's important to check progress on a regular basis. Drones can help identify and correct mistakes before too much time passes, and they become larger issues that will take more time and money to rework.

When mistakes go unnoticed, they can create much bigger problems later on. When fast tracking a project, it's critical that each part is done correctly to ensure success of future parts of the design. With drones, you can more easily conduct fast tracking surveys to set you and your crew up for success.

B #4: I

Even with the use of ladders to gain height, humans' perspective of an area is inherently limited. With drones, views that were previously inaccessible suddenly become accessible, such as a zoomed-out birds-eye view in addition to views into the nooks and crannies of the building project.

This allows you to collect more in-depth data that can be used to ensure the overall safety of construction crews.

tech.

The safety of your crew is always your top priority, and drones can help protect the people who make construction projects possible.

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Construction site inspections are critical for ensuring your job site is safe for your crew, but sometimes the humans can miss small details or simply cannot access certain spaces.

Drones can capture more than the human eye. Drones that are equipped with thermal cameras could reveal leaks, but even by themselves, the high-resolution images and videos they take can reveal damage invisible to the naked eye. Detecting hazards early is key to preventing injury and death on the job.

Drones can also access spaces on the jobsite that may be too dangerous for people, such as those that are too

safely.

B #5: C

Drone technology can help streamline inspections, making them faster but also more accurate and safer. They can provide on-demand progress visuals, and can gather data that can inform future project planning. All

money, without cutting corners.

This is why 31% of small construction businesses

technology.

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You're starting a series of construction projects, and drone tech can help save time and money at every stage.

invest in drone technology that is compatible with your construction management platform.

I D C G C C E

Drone technology can help your construction business streamline inspection processes, improve the quality of inspections, collect data on jobsites to inform short-term and long-term decisions, ensure the safety of crew members, and save everyone time and money.

Overall, drone technology can give your construction company an edge and set you up for success.

Like with any new tool, drone technology does typically require an investment, and most small businesses don't

options. You can consider:

» Outsourcing drone services to a service provider, who

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About the Author

Toby Cox is a freelance writer for Software Advice, covering software trends and stories of small business resilience. Her research on business trends and corporate social responsibility has been featured on Clutch.co, The Manifest, and PR.co Blog. Currently, Toby is based in Boston, MA, where she is a graduate student at Harvard Divinity School.

About the Article

Originally published in Software Advice online. With a goal of bringing

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