

Inaccurate and outdated site mapping data is a constant thorn in the side of every industrial company.

It leads to project delays, bottlenecks and cost overruns. Construction managers know a self-piloting mapping drone gives them continuous job site visibility and tracking. The tool provides the information needed for faster and better-informed decisions.

Drones provides value in many different use cases. We've provided a quick guide to help understand the value smart mapping drones bring to your company in both increased revenues and decreased costs.



Productivity Analysis:

Better productivity analysis is one of the greatest advantages of deploying a drone. Let's compare this to the traditional manned aircraft or ground survey.

Near real-time drone data allows you to:

- Accurately check inventory
- Track volumetric earth work cut/fill progress to minimize labor and rental costs
- Decrease contractor costs
- Decrease data collection time
- End the need for third-party data gathering and processing
- End the need for third-party secure data storage and management
- Accurately estimate time needed for contractors and equipment rentals
- Compare cost per equipment rental unit of progress for contractors by site
- Compare pace of progress for contractors by site
- Complete projects faster, resulting in more revenue

"With the Boomerang drone system, we can quickly, precisely and safely map difficult areas to access by a person, such as elevated terrain, resulting in more precise data."

- Jon Machen

Project Manager, Mascaro Construction

Quality Control:

Beyond the productivity benefits, drones can provide these QC advantages.

- Up-to-date maps from the start til the finish of projects
- Comparing visual updates of as built versus as planned blueprints to avoid misunderstandings
- Digital job site documentation to minimize liability
- Provide architects with the site context for better results
- Minimizing safety risks to employees on job sites
- Improving record-keeping for reference
- Retaining more clients through transparency, communications and speed
- Reducing approval times from stakeholders
- Site risk prevention and response



Stakeholder Communication:

Finally, using an aerial mapping drone impacts your bottom line through client interactions. The ability to communicate project updates in near-real time with stakeholders allows you to:

- Instantly reveal and solve any site misunderstandings or problems before it's too late
- Retain clients, by helping them better understand your results
- Attract new clients by showing them aerial examples of past similar projects
- Differentiate yourself from competition with tech leadership
- Save clients site travel time, bringing the data to them
- Your clients will appreciate your speed and quality

"We've never seen anything like this. My team and I were amazed by the speed of the Boomerang, and the accuracy proved to be more than adequate for our needs. Cutting our survey time down to just a few minutes while maintaining sub-centimeter mapping precision is a game changer."

- Josh McLaughlin

GISP Manager, Seneca Resources