SKYCATCH

Hensel Phelps Embraces Technology Partnership with Skycatch

Time — Skycatch cuts one week of data processing down to one day.

Accuracy — Efficiently generate point clouds for progress tracking.

Support — A dedicated and responsive support team that goes above and beyond.

"We are looking to expand our drone program into all of our districts, and recommending Skycatch as the software behind that transition. I see Skycatch as a big part of our growth path."

Richard Lopez, VDC Manager at Hensel Phelps

DEFINING THE ISSUE

How to generate accurate point clouds for progress tracking

Hensel Phelps is a forward-looking company that embraces new technology. As a VDC Manager, Richard has embraced and spearheaded the adoption of drone technologies.

Richard faced three main challenges:
1. Generating accurate point clouds of construction sites for tracking site progress, without using traditional terrestrial scanners.
2. Identifying a solution that would improve team communication and distribute data in an efficient way.
3. Forming a partnership that would make the adoption of drone software quick and painless.

In the past, projects entailed creating 3D models and point clouds of sites, that were cost prohibitive and took weeks to process. During this time, team communication would be broken or delayed. To top it all off, previous experiences with drone software companies were less than stellar, leaving them with data that lacked accuracy and poor technical support.

To remedy this, Richard began looking for alternative solutions.

HENSEL PHELPS
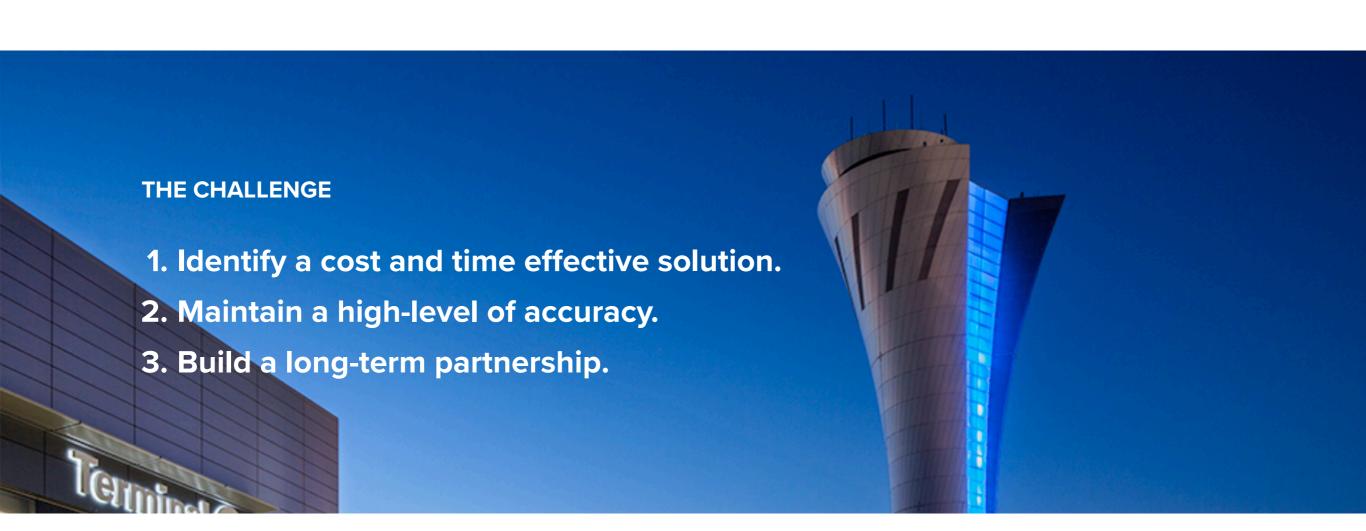Plan. Build. Manage.

ABOUT HENSEL PHELPS

Hensel Phelps Construction Co. is one of the largest general contractors and construction managers in the United States. Founded in 1937 in Greeley, Colorado, Hensel Phelps has grown into a multibillion-dollar national contractor with an unparalleled portfolio of projects. Hensel Phelps is built on four pillars: People, Process, Partnership and Technology making them a perfect partner for Skycatch.

FOUNDED
1937

LOCATION
Greeley, Colorado

THE CHALLENGE

1. **Identify a cost and time effective solution.**
2. **Maintain a high-level of accuracy.**
3. **Build a long-term partnership.**

THE SOLUTION

Same Day Data, Accurate Point Clouds, Killer Support

Richard understood that drones could hit the sweet spot: They are inexpensive, fast, and accurate enough to replace most use cases where lasers, satellite images, and costly flyovers were used. He just needed the right partner. So, he started a free trial at Skycatch and started flying his sites with their iOS app.

Richard quickly noticed a difference in the customer and technical support with Skycatch, who were happy to help him with his first project: combining laser scan point clouds with point clouds generated by DJI Phantom 3 Pros with Skycatch. This gave him a "filled in" point cloud, adding points to areas that the scanner missed, and the confidence that he had identified a partner he could depend on.

Richard now forgoes laser scanning for the majority of his data and relies on Skycatch drone data to track his progress. He can now generate highly accurate point clouds using Skycatch and compare the as-built data to the 3D models created by the design team. On top of that, the data is processed in just one day and distributed seamlessly to his team and contractors.

KEY RESULTS

Time Savings

Skycatch delivers data the same day it's collected. On average this saves a week's worth of processing using traditional laser scanners.

Accurate & Efficient

Skycatch's solution has allowed Richard to quickly create point clouds and share that data with other stakeholders with minimal effort.

Cost Savings

At just $749/mo Skycatch's precision data package allowed Hensel Phelps to replace costly Cessna flyovers which can cost $5-15K on average.

Most importantly, Richard had identified a team who he can trust to be there for him when he needs them. It's this level of trust that gives Richard confidence in Skycatch as a long-term partner and key player in their future growth.

"As an older company, we really value partnerships. Skycatch's team has been a great partner, their customer support goes above and beyond, and they are always there to help."

Richard Lopez, VDC Manager at Hensel Phelps

Let's talk about how Skycatch can make the perfect partner for your next project.

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