

How Optic Systems brought its **next-generation inspection system** forward by about 18 months

A Bigger Vision With Nowhere to Land

Optic Systems builds inspection technology for community associations. Its interactive 360° video gives managers a street-level view of the communities they oversee. Wesley Hunt describes it as building a “Google Street View” for HOAs.

Optic’s customers kept asking for more: clearer images, faster turnaround, and eventually AI that points out problems without anyone watching hours of video.

The founders had a plan to deliver that. It was a new camera system that captures far more data than the original. The obstacle was the software behind it. “The ability to manage and house that extra data that this thing is capturing and providing to the end user, there was nowhere to put it,” said Wesley.

One Team Across Hardware, Software, and Mobile

Particle41’s software team worked inside Optic’s system for eight to nine months to prepare it for the new hardware. Optic’s own team and a hardware engineering firm in Jacksonville worked on the system alongside them.

“The three teams have come together to create one super team, in my opinion,” said Wesley. “We’ve got hardware developers, we’ve got software developers, and we’ve got mobile app developers, like literally all working in conjunction on this system.”

The system they built together combines:

- Interactive 360° video, the core of Optic’s inspections
- Two commercial-grade high-resolution cameras mounted alongside it
- Military-grade GPS, so the system knows which property is in front of it
- Onboard compute in each vehicle to process data in the field
- Faster delivery of inspection data to customers

The result for the person reviewing an inspection: watch the 360° video, stop on a property, and choose from the four or five high-resolution images the system matches to that spot by GPS.



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The timeline on that camera got moved up almost a year and a half.

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Wesley Hunt

President & Co-Founder
Optic Systems

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RESULTS



GAINED ABOUT 18 MONTHS

Optic unveiled the new system at the Community Associations Institute (CAI) Annual Conference in June 2026. "There was no way it could be integrated into the system without all the work we've done over the past eight months or nine months in the system to get it ready," said Wesley.



DELIVERED SPEED AND QUALITY AT ONCE

Reviewers can move through a large community quickly in 360° video and still get high-fidelity images for each issue.



BUILT A FOUNDATION FOR AI

With high-resolution images tied to precise locations, Optic has prototypes showing computer vision analysis on 360° video. That points toward inspections that tell customers where the problems are.

“

If we didn't have your team, this camera system that we're unveiling at CAI would be a year or two from now, at least.

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Wesley Hunt

President & Co-Founder

Optic Systems