

# Benefits and Tips for Automating Your Jobsite Photography with a Simple 360° Camera



**OPENSOURCE + Balfour Beatty**



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- BS in Construction Management from Ball State University
- 5 years of field experience as assistant superintendent
- 2 years experience as Senior Technology Specialist

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- BS in Construction Engineering and Management (focused in Construction Technology) from Virginia Tech
- Technology Specialist for Balfour Beatty on Broward County Convention Center & Hotel

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- BS in Construction Science from Texas A&M
- 2+ Years Experience in Commercial Construction
- 2 Years at OpenSpace as a Customer Success Manager

# Agenda

- Traditional Challenges of Job Site Documentation
- Passive 360° Photo Documentation: What is OpenSpace?
- Product Demo
- How Balfour Beatty Used OpenSpace to Improve Efficiency & Communication
- Best Practices for IT/VDC Leaders to Know
- Q&A

# Traditional Documentation Challenges



Frequent, easy–  
but poorly  
organized

Self-Perform



Quality–but  
infrequent &  
expensive

Photo Subs

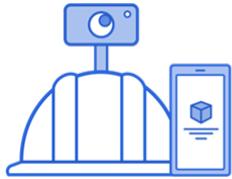


High labor  
cost, sparse  
coverage

Self-Perform

# OpenSpace Automates Documentation in 360

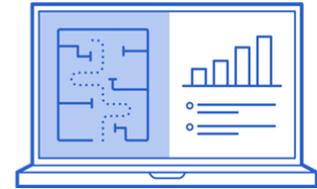
## HOW IT WORKS



A wearable 360 camera and mobile app (iOS and Android supported).



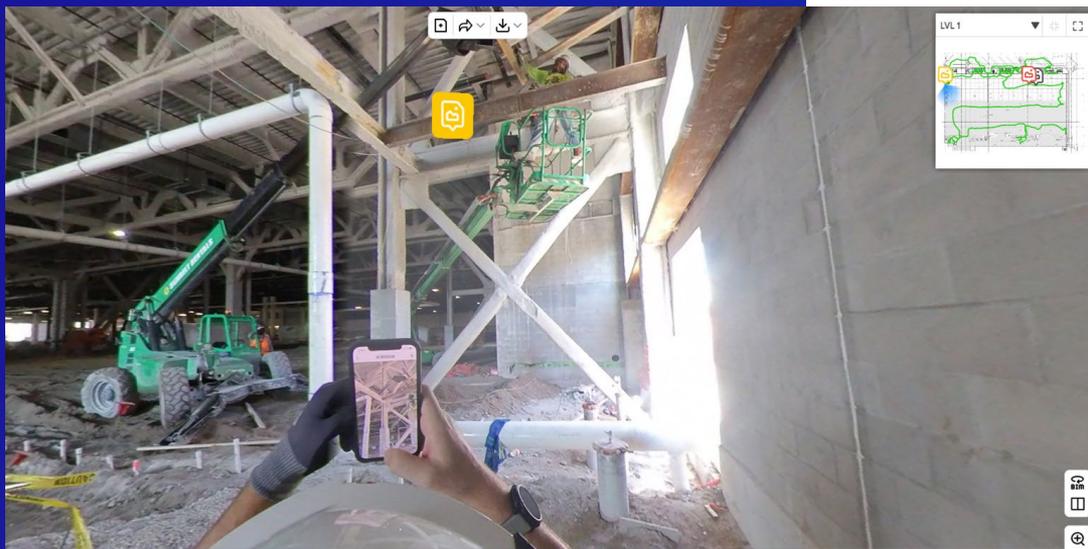
OpenSpace Vision Engine processes, organizes, and securely stores the data



Browser-based virtual jobsite viewer. Integrated with project management software.

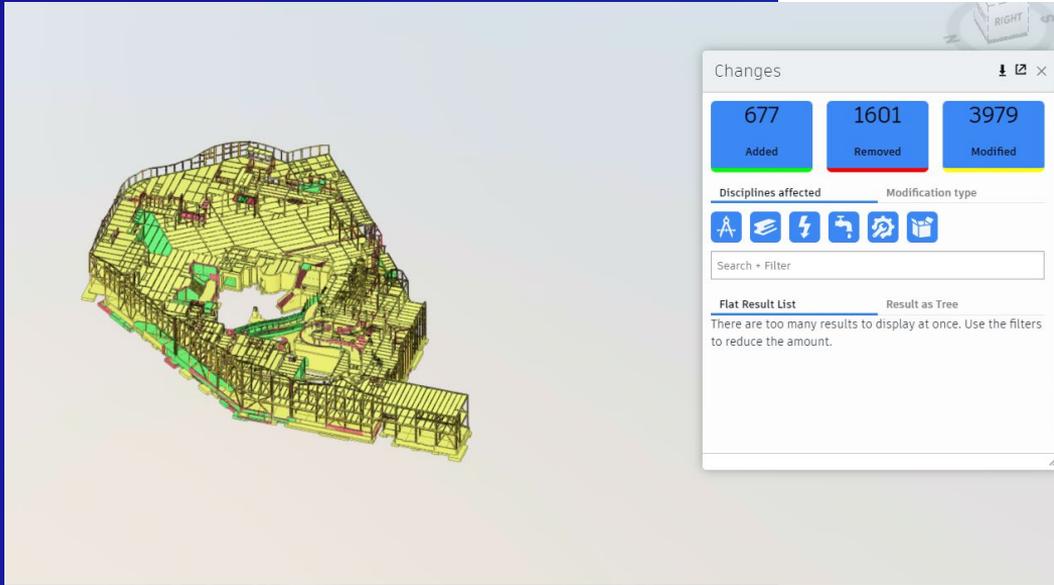
#ITCon22

# Product Demo Time!



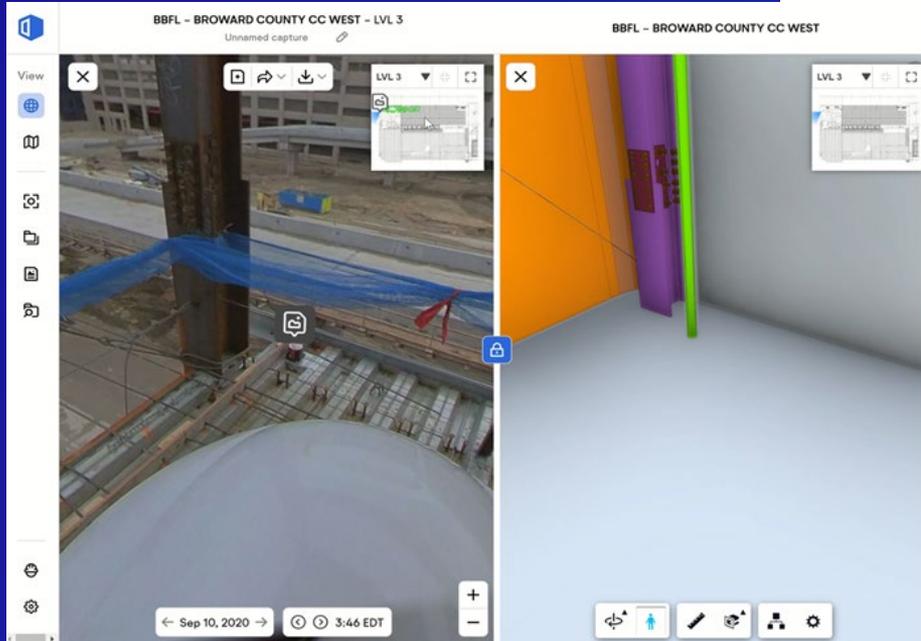
## Use Cases

- Virtual Jobsite Orientation
- Virtual Safety Walks
- Quality Control
- Historical Reference
- BIM Model Comparison
- Adding Visual References to RFIs/Change Orders



## Common Miscommunications on the Jobsite

- Design changes



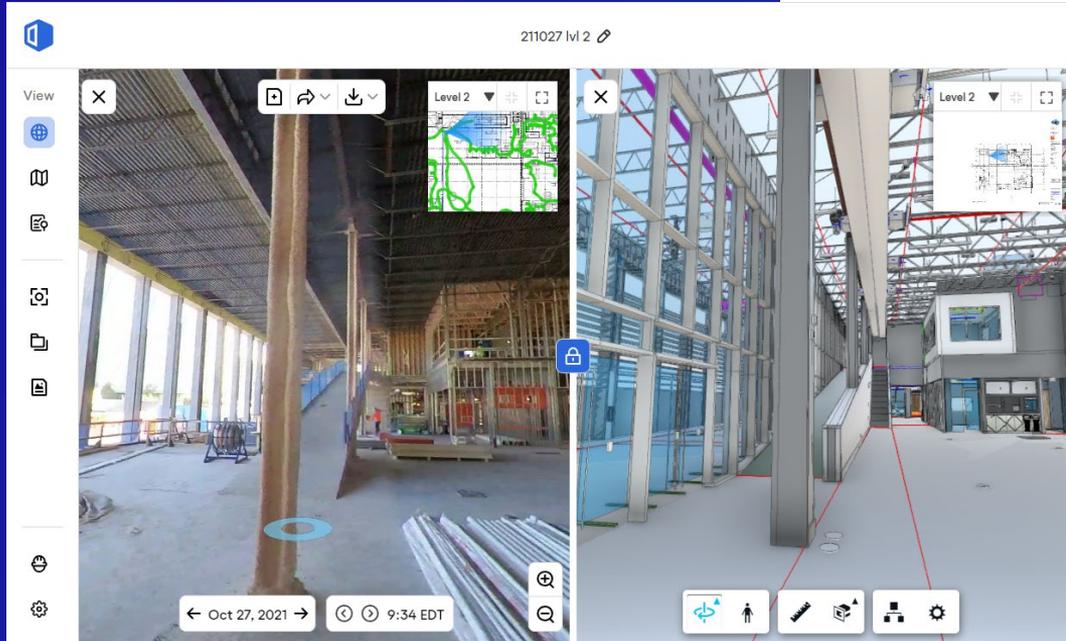
## Common Miscommunications on the Jobsite

- Design changes
- **Updates from trade model coordination meetings**



## Common Miscommunications on the Jobsite

- Design changes
- Updates from trade model coordination meetings
- **What work has been completed**



## Common Miscommunications on the Jobsite

- Design changes
- Updates from trade model coordination meetings
- What work was completed
- **When was the work put in place**

# Best Practices for Field Teams



Stop and start a new capture whenever you change floor plans.



When capturing, walk at a slow, leisurely pace, while keeping the camera steady and level.



Ensure your job site has ample lighting, or use hard hat lights and take mobile photos with flash when dark.



Wipe the lenses clean before each capture.



Plan and communicate your walking routes and capture schedule ahead of time.

# What is considered a “good” walking path?

It is a best practice to plan your routes **ahead of time!**



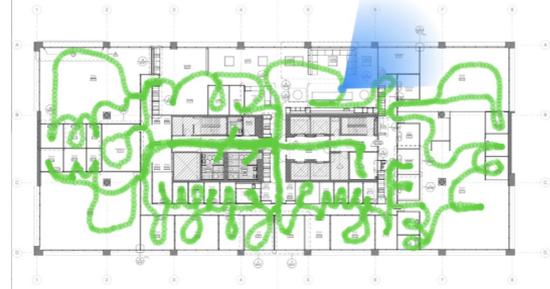
**Poor**

Only a portion of the floor plan is covered.



**Fair**

Some sections of the floor plan still left out.



**Excellent**

Entire floor plan is captured.

# Implementation Methodology

The recommended capture cadence on active construction projects is **at least once weekly!**

Weekly Capture Schedule			
Day of the Week	Capturer	Floors/ Buildings	Walk Complete?
Mondays	Phil the PE	1-4	<input checked="" type="checkbox"/>
Wednesdays	Jim the Journeyman	5-9	<input type="checkbox"/>

Key Activity Captures			
Date/ Time	Capturer	Activity	Floors/ Buildings
02/05/2022 @ 8:00 A.M	Pablo the PM	Pre-drywall installation	Level 2

# Best Practices for IT & VDC Managers



Set your job sites up with the Desktop Sync App, and ensure your IT Firewall allows your computers to recognize your cameras via USB



Have clearly defined internal SMEs/Champions to develop procedures for deploying the software, training users, and getting support



Ensure that you add your users to the system, and that they sign up through the email invite, NOT by hitting “Sign Up”



Be in regular contact with your Customer Success Manager

# Frequently Asked Questions

What devices is the OpenSpace App compatible with?

- The OpenSpace App is compatible with Apple and Android devices - most tablets and smartphones.

How Secure is my data, where is it stored, and can I access it offline?

- OpenSpace is SOC2 Type 2 Compliant, and all data is stored on the cloud for 10 years. Offline deliverables can be procured upon request.



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# Raffle

# Win a Ricoh Theta Z1