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The magazine for civil & structural engineers

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**H O L O
B U I L D E R**
A FARO® Technologies Company

How 360° Photo Documentation Builds Trust and Improves Client Relations

November 3, 2022

Introduction



Kevin Jones
Account Executive
HoloBuilder



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Account Executive
HoloBuilder

A Picture Is Worth Even More Than A Thousand Words On A Jobsite

DESIGN ENGINEERING PRE-CONSTRUCTION CONSTRUCTION CLOSE OUT FACILITIES & MANAGEMENT

REDUCE COST SAVE TIME CAPTURE PROGRESS

Progress Photos

- 1. April 2019
 - Level 1
 - Level 2
 - Level 3
- 2. May 2019
- 3. June 2019
- 16. July 2020
- 17. August 2020
- 18. September 2020

Section C

- Section A
- Section B
- Section C

IMG_0701.HEIC
IMG_1202.HEIC
IMG_2715.HEIC
IMG_6609.HEIC
IMG_7114.HEIC
IMG_7204.HEIC

“Photos are the most important type of record on a construction site.”

“Photos need to be managed properly, and often they’re not. It’s left to people to take a photo of what they think is important.”

62%

of construction professionals transfer field data manually

30%

of documentation during construction is lost by project close out

How Important Is Communication On A Jobsite?

DESIGN

ENGINEERING

PRE-CONSTRUCTION

CONSTRUCTION

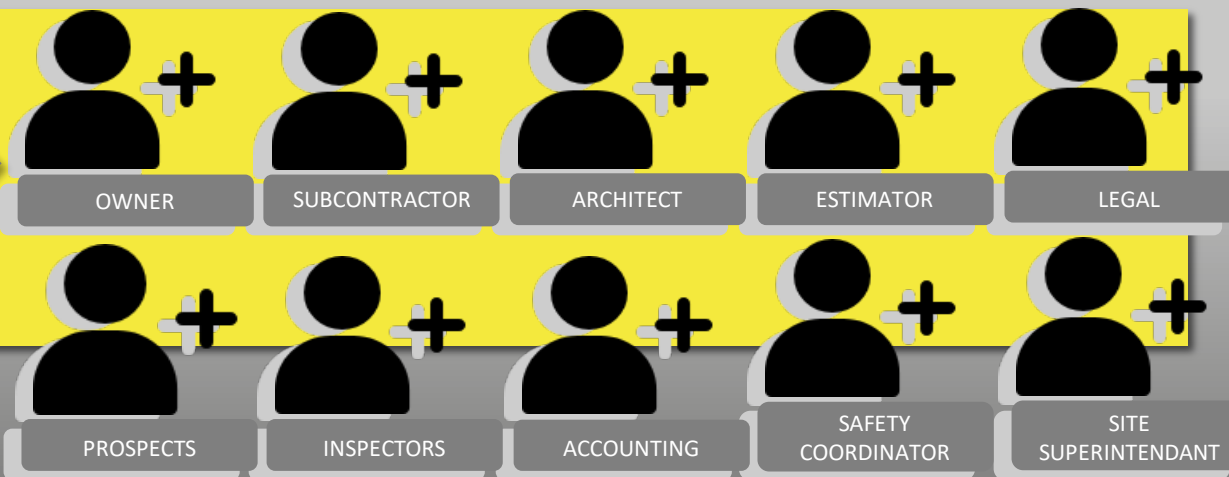
CLOSE OUT

FACILITIES & MANAGEMENT

REDUCE COST

SAVE TIME

CAPTURE PROGRESS



PROJECT MANAGER

“...photos are used to report progress to your client, for internal discussions, review subcontractor work to check as-built condition, to review workmanship etc.”

52%

of rework is caused by poor documentation and miscommunication

360° Photo Capture For Better Project Management

DESIGN

ENGINEERING

PRE-CONSTRUCTION

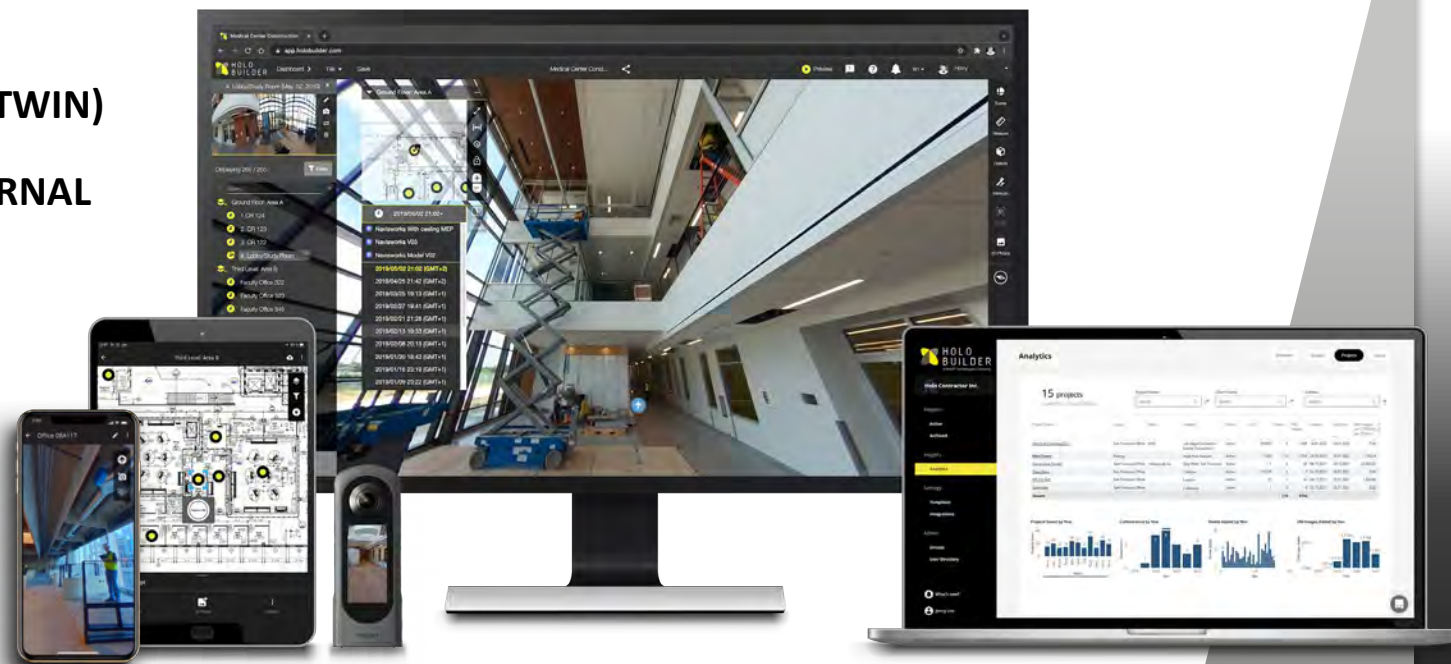
CONSTRUCTION

CLOSE OUT

FACILITIES & MANAGEMENT

REDUCE COST SAVE TIME CAPTURE PROGRESS

- ✦ REVIEW AND RESOLVE ISSUES REMOTELY
- ✦ COMPARE BIM TO ON-SITE CONDITIONS (VISUAL TWIN)
- ✦ PROVIDE VISUAL REFERENCE AND DATA FOR INTERNAL AND EXTERNAL DISCUSSIONS
- ✦ REVIEW WORKMANSHIP
- ✦ COMMUNICATE CHANGES
- ✦ REVIEW PROGRESS TIMELINE
- ✦ ACCELERATE CHANGE ORDER PROCESS
- ✦ REDUCE TRAVEL
- ✦ CYA



Our Clients Have Done The Vetting For You

DESIGN

ENGINEERING

PRE-CONSTRUCTION

CONSTRUCTION

CLOSE OUT

FACILITIES & MANAGEMENT

REDUCE COST

SAVE TIME

CAPTURE PROGRESS

\$ 1.5
Million
Saved



Hensel Phelps saves 5,000 Field Engineer hours per year

80%
Time
Saved



Mortenson reduced reality capture efforts by 80%

6x
ROI



Mace project team proved a ROI of 6x of the software cost



Replace costly jobsite visits with virtual 360° tours – available anywhere and anytime

Use advance sharing settings to create a customized view of your jobsite

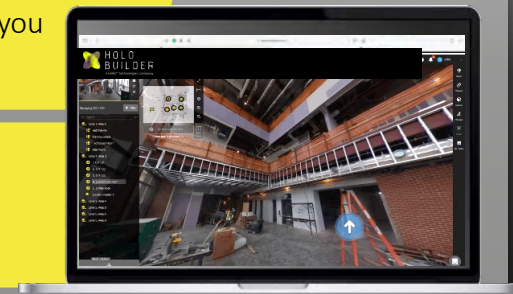


Capture progress on your jobsite in 360° in seconds

With JobWalk App™ on SpeedMode and ContinuousMode, capture exactly what you need with unparalleled speed and accuracy

Spend 0 hours managing data – and have it available at your fingertips when you need it

Use 360 Markups, to categorize your photos, pin 2D photos and more



How does HoloBuilder work?

DESIGN

ENGINEERING

PRE-CONSTRUCTION

CONSTRUCTION

CLOSE OUT

FACILITIES & MANAGEMENT

REDUCE COSTS SAVE TIME CAPTURE PROGRESS



JobWalk App™

Mobile Application
iOS, Android



**Fast & Easy
Data Collection & Sharing**

Capture & Upload To JobWalk App™ With An Off-The-Shelf 360° Camera



HoloBuilder™



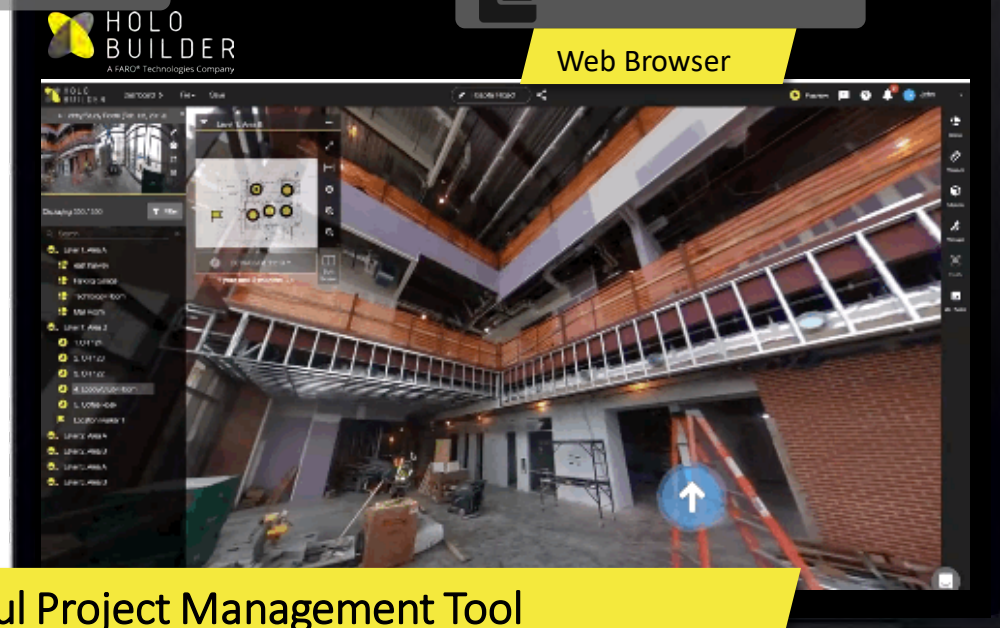
A Powerful Project Management Tool

Access & Edit Your Jobsite in 360° On A Laptop, Desktop, Tablet, or Phone with WebEditor™



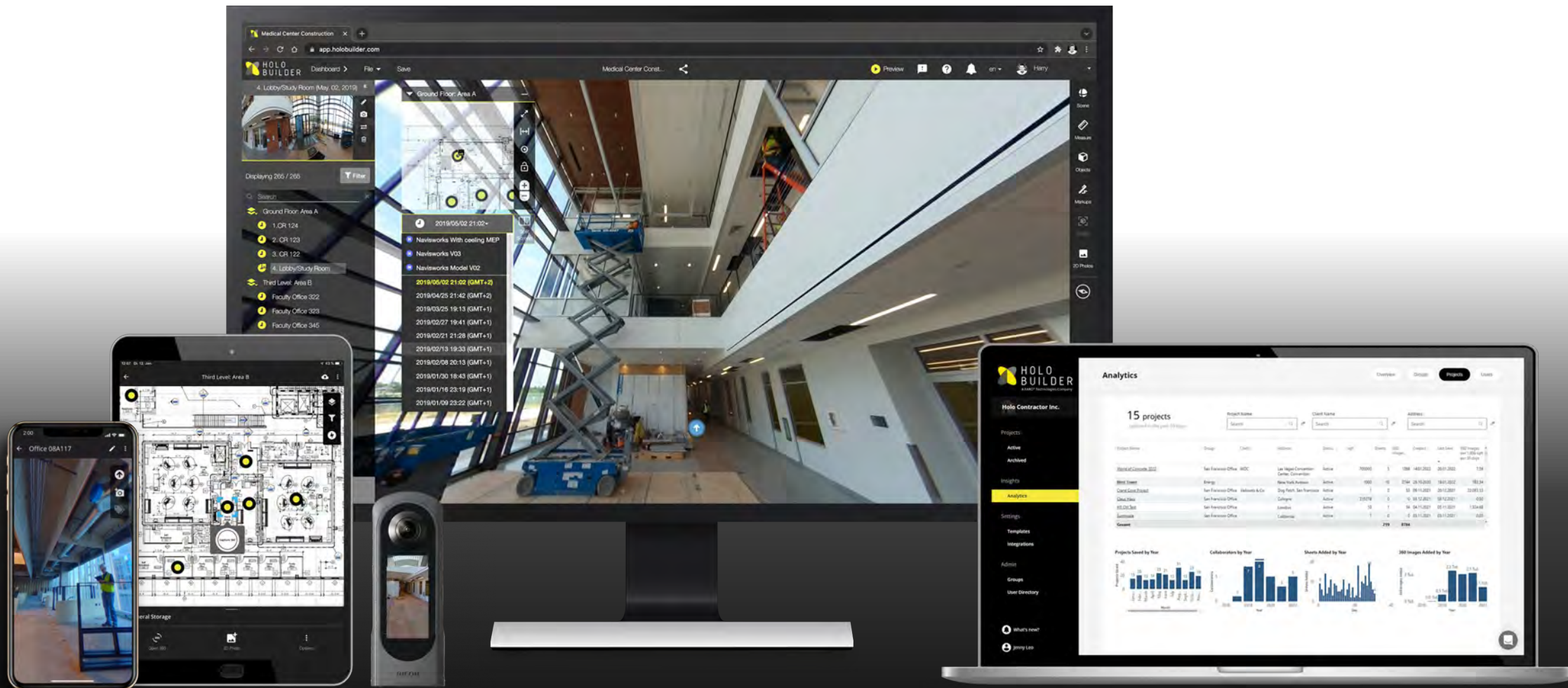
WebEditor™

Web Browser




Easily share, collaborate, validate, and communicate as-built progress with all stakeholders.

PRODUCT DEMONSTRATION



Powerful Integrations For Your Workflow

DESIGN	ENGINEERING	PRE-CONSTRUCTION	CONSTRUCTION	CLOSE OUT	FACILITIES & MANAGEMENT
	<p>Microsoft Teams View your projects in 360° right next to your other documents and collaboration with the HoloBuilder App for Microsoft Teams.</p>		<p>Autodesk Construction Cloud® Import your files and images from Autodesk Docs and Autodesk Build into your HoloBuilder project.</p>		<p>Procore Create RFIs & Observations in your HoloBuilder 360° environment and sync them back to Procore.</p>
	<p>Box Connect your Box data storage with HoloBuilder to import floor plans and 360° construction photos.</p>		<p>Autodesk® BIM 360® Access Docs for file transfer into your HoloBuilder Project. Create and view Field Issues from inside your HoloBuilder project.</p>		<p>PlanGrid Import your floor plans and construction documentation photos to your HoloBuilder projects.</p>
	<p>Dropbox Connect your Dropbox data storage with HoloBuilder to import floor plans and 360° construction photos.</p>		<p>Autodesk® Revit® Place HoloBuilder 360° views in Autodesk® Revit® and upload model rendering views and floor plans to your HoloBuilder project.</p>		<p>Bluebeam Import sheets and photos from Bluebeam into your HoloBuilder 360° site documentation.</p>
	<p>Egnyte Connect your Egnyte data storage with HoloBuilder to import floor plans and 360° construction photos.</p>		<p>Autodesk® Navisworks® Upload 360° views of your coordination models and compare them side-by-side with your 360° photos.</p>		<p>pCloud Connect your pCloud data storage with HoloBuilder to import floor plans and 360° construction photos.</p>
	<p>Google Drive Connect your Google Drive data storage with HoloBuilder to import floor plans and 360° construction photos.</p>		<p>Google Maps Import Google Maps data for site plans. Use GPS to find current location for accurate and easy photo capture.</p>		

Offline HoloViewer & Privacy

DESIGN

ENGINEERING

PRE-CONSTRUCTION

CONSTRUCTION

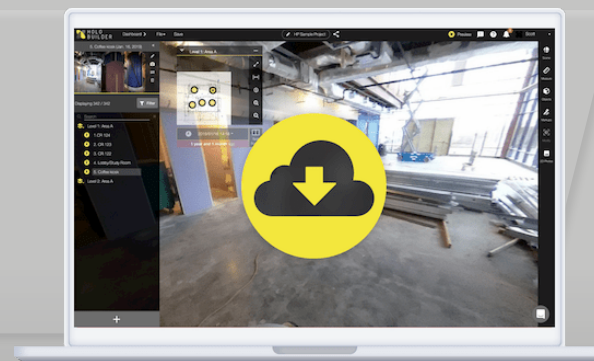
CLOSE OUT

FACILITIES & MANAGEMENT



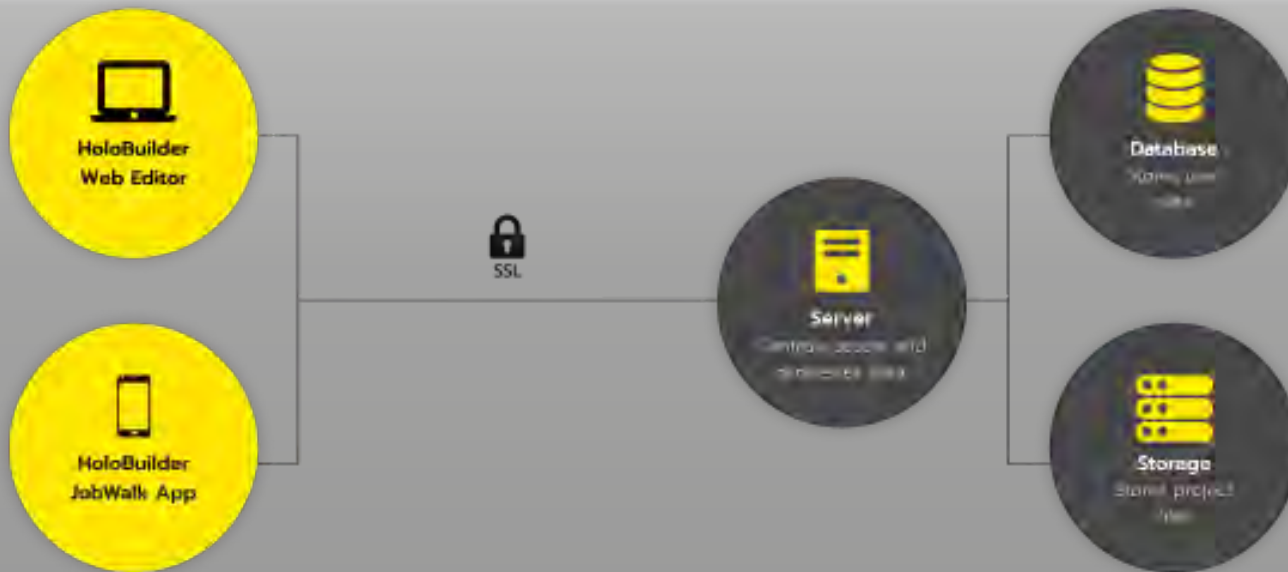
Offline HoloViewer

Keep a permanent record of your digital progress record for offline viewing in 360° and sharing with stakeholders. No internet connection or subscription required for you or your Owner for offline viewing!



Security & Privacy

HoloBuilder has been built around security and compliance. We have taken the world's toughest standards and worked back from there—that's why many leading construction companies trust us with their data, after deep review of our data security and privacy processes.



Questions and Answers with:



Kevin Jones
Account Executive
HoloBuilder



Cory Disbrow
Account Executive
HoloBuilder



Todd Danielson
Editorial Director
Informed Infrastructure

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