Using Imagery to Drive Action on Projects
Presenters

Eric Tucker
Business Development Manager, Procore

Jackson Dyre
Head of Customer Success, Hangar

Matt Daly
CEO, StructionSite

John Andres
Operations Technology Manager, ANDRES Construction
Building the Software that Builds the World.
Mega Projects Powered by Procore

LA Rams Stadium
- Architect: HKS
- Contractor: Turner
- CM Software: Procore

Hudson Yards
- Architect: KPF
- Contractor: Tishman
- CM Software: Procore

Wilshire Grand LA
- Architect: AC Martin
- Contractor: Turner
- CM Software: Procore

Inspire
- Architect: KPF
- Contractor: TBD
- CM Software: Procore
Our Product Values

MOBILE
Connect Field & Office

COLLABORATIVE
Unlimited User-based Pricing

DRAWING-CENTRIC
Centralized Drawings & Specs

EXTENSIBLE
Connect All Your Technology
One Simple Connected Environment

- **Project Management**
  - Bidding
  - Change Events
  - Drawings
  - Emails
  - Meetings
  - Photos
  - RFIs
  - Schedule
  - Specifications
  - Submittals
  - Timecard
  - Transmittals

- **Quality & Safety**
  - Daily Log
  - Forms
  - Incidents
  - Inspections
  - Observations
  - Punch List

- **Construction Financials**
  - Budget
  - Change Management
  - Contract Management
  - Cost Management

- **Field Productivity**
  - Timesheets
  - Crews

- **Icons**
  - App
  - Android
  - Windows
One solution for everyone on your project

General Contractor
Owner
Owner Rep
Architect
Construction Manager
Engineering Firm
Specialty Contractor
Material Supplier
Photos and Videos
One Simple Connected Environment

Project Management
- Bidding
- Change Events
- Drawings
- Emails
- Meetings
- Photos
- RFIs
- Schedule
- Specifications
- Submittals
- Timecard
- Transmittals

Quality & Safety
- Daily Log
- Forms
- Incidents
- Inspections
- Observations
- Punch List

Construction Financials
- Budget
- Change Management
- Contract Management
- Cost Management

Field Productivity
- Timesheets
- Crews

[Images of various application icons and a tablet displaying a site plan]
PLUG INTO THE PLATFORM THAT BUILDS THE WORLD

Connect with Procore’s open API and develop solutions that empower the changing landscape of construction.

What can you build with the Procore API

Custom Apps
Use Procore’s API to build on top of Procore’s functionality for your own custom web & mobile apps
BUILD A CUSTOM APP

Custom Integrations
Use Procore’s API to integrate Procore into your existing internal apps & systems
BUILD ENTERPRISE INTEGRATION

Partner Integrations
Use Procore’s API to extend Procore’s functionality with your own applications & partner with us in the App Marketplace
BUILD PARTNER INTEGRATION
40 Million
Photo and Video Uploads
2018 YTD
Robot testing at Takenaka Corp. construction site.

Boston Dynamics
Platform

Observations

Assignment and Workflow

Resolution

Corrective Action

RFI

PCO
New Perspectives Can Be Game Changers
Standardized Asset Types

Ortho 360 Photo Image Series
Orthomosaic / DEMs
360 Panos
Tools of JobSight

Timeline
Annotations & Snapshots
Sharing
Volumetrics
Measurements
Driving Action With Imagery
Procore Integration
Hangar JobSight delivers value throughout the entire project lifecycle.
Communicating Progress

+ More Perspectives = More Value
+ Historical Timeline / Location
+ Access via Procore Dashboard
+ Push to Procore Photos & Tools
Communicating Progress

+ More Perspectives = More Value
+ Historical Timeline / Location
+ Access via Procore Dashboard
+ Push to Procore Photos & Tools
Production Tracking

- Quick Measurements
- Add Annotations and Links
- Share via Email to Procore Users
- Send Saved Snapshots to Procore Photos / Tools

10,980 sqft of sod in change order
QAQC Documentation

- Faster Remediation Efforts
- Safer Vertical Inspections
- Long-Term Risk Mitigation
Automating your Site Documentation
Site Documentation is Evolving

Old School 360 Capture Artificial Intelligence
Standard photos + → 360 photos on → Automated 360 capture + no drawing reference a floor plan analysis and reporting
2017 2018 2019
The Old Process
The Old Result
VideoWalk
+matt@structionsite.com - This might work now. We can test during the dry-run and another option could be to load/play video from your desktop instead of from the slide.
Brie Sanchez, 10/22/2018

+briana.sanchez@procore.com any idea how to get a video to play so it takes up the full size of the screen?
Matt Daly, 10/22/2018

Okay I will know to have it on standby then, thanks!
Matt Daly, 10/22/2018
VideoWalk
Hi +matt@structionsite.com - I'm not sure, I think it might have been a different file type. Do you have another file type or link to this video we could try? It also could work okay like this, and I could remove the slide background. Let me know what you think.
Brie Sanchez, 11/5/2018

Here is a direct link to the file. I'll have these available as backup on my local drive in case it doesn't show up well:
https://drive.google.com/file/d/1_s6nNiZjFQFo5yCD5Z0wBMCh8In9HoEv/view?usp=sharing
Matt Daly, 11/5/2018

+briana.sanchez@procore.com how did you get my other video to be full size on the slide?
Assigned to you_
Matt Daly, 11/5/2018

Hi Matt - Great, thanks for uploading, though I don't seem to have the right file player to open the link. I think what you have here looks good and having it loaded on you computer as a backup. Thanks!
Brie Sanchez, 11/5/2018
#PlugIntoProcore

LOGIN CREDENTIALS

DRAWINGS

RFI’S AND OBSERVATIONS
See the full context in 360 degrees

PHOTOS
Procore is your system of record
Production Tracking - Walls
Production Tracking - Walls

Sept 9, 2018

Framing: 9.4%
Drywall: 5.8%

Oct 13, 2018

Framing: 17.1%
Drywall: 12.5%

Legend:
- Framing
- Drywall

Changes

ZONE A2
AT 03A
ANDRES Construction
Dallas, TX

John Andres
Operations Technology Manager
Problem with our Process

Outsourcing all of our photo documentation was **EXPENSIVE**

Outsourcing all of our photo documentation wasn't always **CONSISTENT**

Outsourcing all of our photo documentation wasn't **REPEATABLE**
Problem Solved

**StructionSite:**
Low cost, much better solution that allows our team to capture photo documentation as the project demands.

**Hangar:**
Provides consistent aerial capture unlike anything else. Long gone are the days of the standard helicopter progress photos.

**Procore:**
Integrates with both StructionSite and Hangar, and is the backbone that makes our process repeatable.
Some of the Benefits

+ **StructionSite**: Allows us to quickly capture progress and document specific milestones. It has the added benefit that allows us to create a draft RFI or an Observation on Procore from within a StructionSite 360 photo.

+ **Hangar**: Gives us the tools to track progress/production rates from one capture to the next. Ensures that we have consistent capture across all our projects.

+ **Procore**: Using the Inspection tool, we ensure that each Inspection we are doing has an item at the bottom that says “Did you take 360 Photos using StructionSite?” or “Has Hangar been out to capture?”
Real World Use Examples

+ Electrician forgot to label conduit in slab pour
  > We were able to quickly look at Structionsite and Hangar to determine where each conduit went.
Real World Use Examples

+ We bring up Hangar and StructionSite in OAC and Subcontractor meetings.
  > Hangar is great to show overall progress in OAC meetings.
  > StructionSite gets used in Subcontractor meetings when there is a discussion about what the field condition is. (i.e. is the unit sheetrocked, is there something impacting work from being started)
Real World Use Examples

+ Tracking Framing Production Rates using Hangar tools
Real World Use Examples

Anyone can review 360 photos in StructionSite and make notes. We can tag people in these notes so they are notified and can respond or update with a progress photo if needed.

Examples:
- Pinched ductwork in ceilings
- Holes not oversized to allow for building settling
- Possible safety hazards
THANK YOU!