

# TEKLA BASECAMP

AUG. 27 - 29

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9

Overview of Trimble Connect  
Lee Snyder – Product Manager



# Trimble Connect Transforms Decision Making

- Trimble Connect is an open collaboration tool that connects the right people to the right data at the right time.



# Trimble Connect Applications



**Desktop**



**Mobile**



**HoloLens**



**V.R.**



**Browser**



**Sync**

**Trimble Cloud**

# Productive Combination of Client Apps



## Web Browser Application

- Project creation and administration
- 2D & 3D viewing



## Windows Application

- Highest 3D graphics performance for the largest models
- Workflow integration with sequencing for Hololens



Powered by  
Trimble  
Cloud



## Mobile Application

- Optimized UI for small-screen, touch-screen operation
- Empowering field users for productivity



## Sync Application

- Automated project synchronization

# Powerful Synthesis of 2D & 3D Data

## Bring your project data together!

- 3D Building Information Models
- 2D Drawings, Vector Models and Documents
- Markups, To Do's, Releases
- 3D Point Clouds

*“Viewing models in multiple platforms (web, desktop, mobile) is easy. This is really big thing for us as customer. No hassle with moving models from one service to other when changing viewer platform.”*

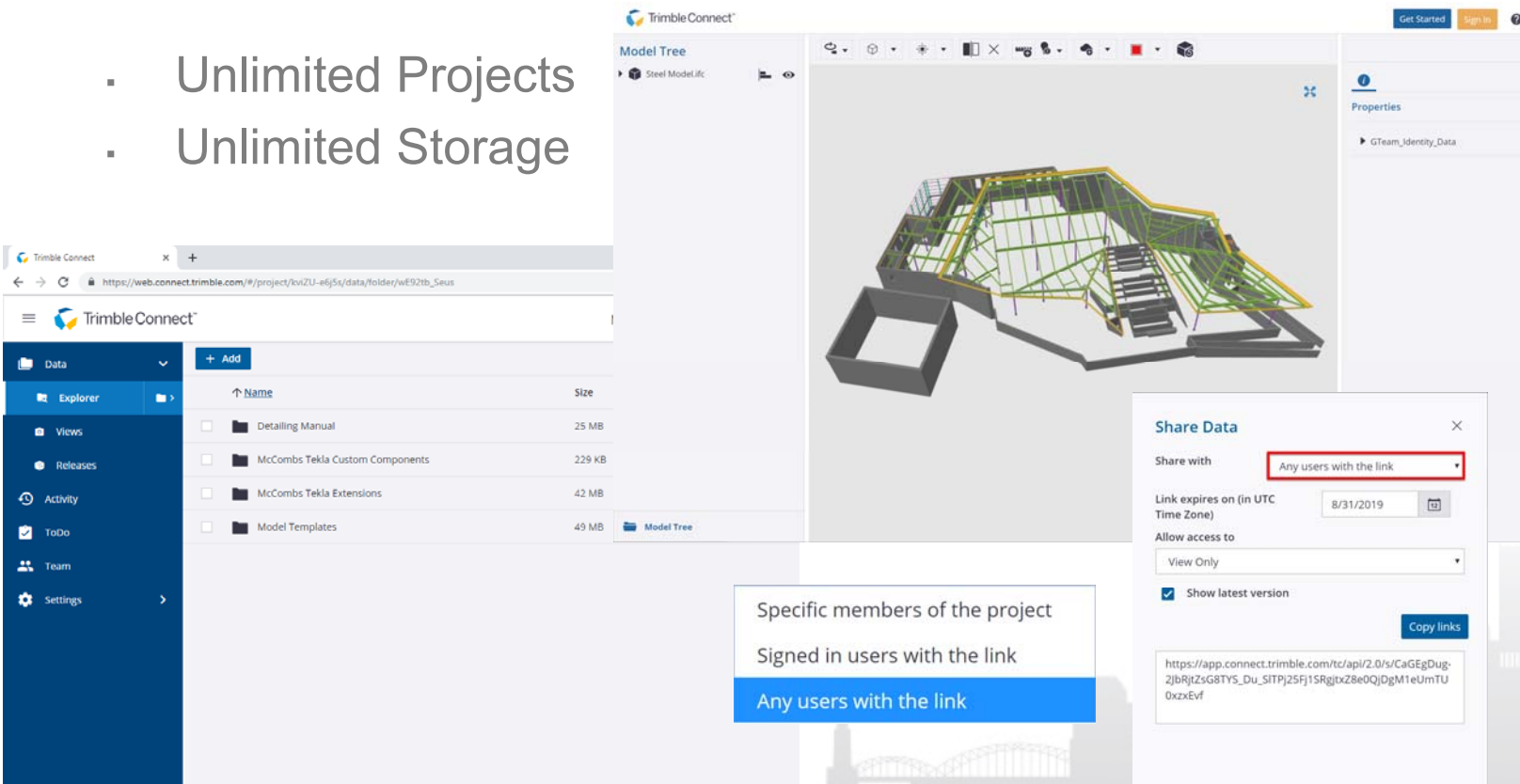
**Pöyry, Finland.**

# MAIN FEATURES



# File Storage and Sharing

- Unlimited Projects
- Unlimited Storage



## Projects, Data, Folders

File Versioning

Permissions

## Upload & Download

Invite Users - Internal & External

Teams / Groups

Comments

2D Viewer

3D Viewer

Clashsets

ToDos

Views

Annotations

Associated Data

Activity Feed

Email Notifications

Project Settings

Releases

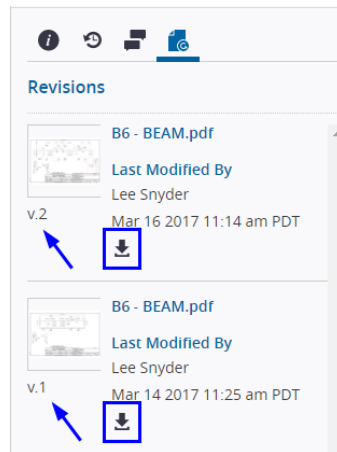
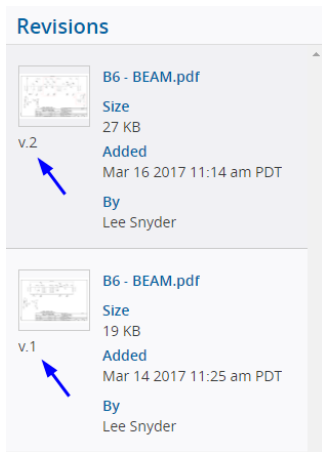
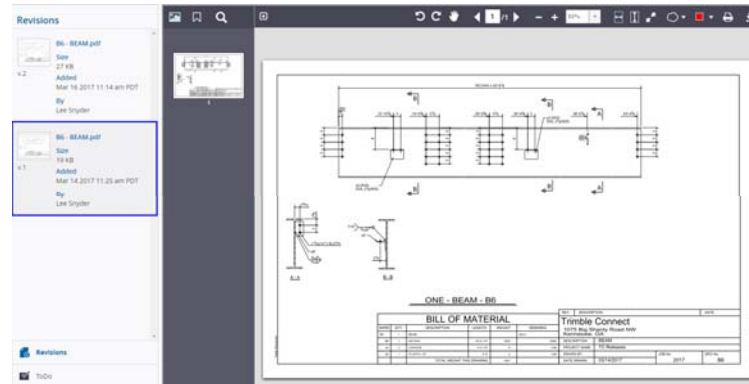
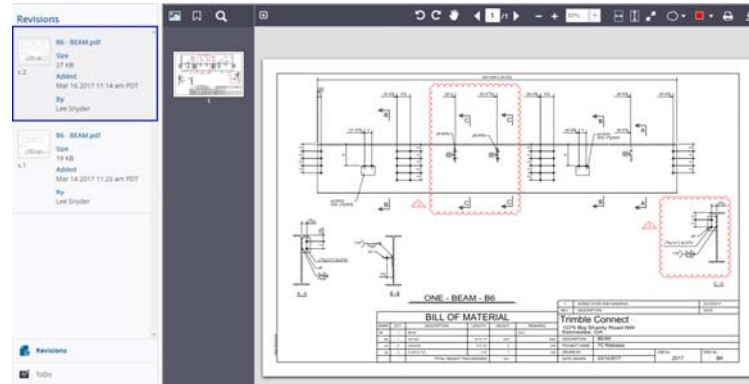
Offline Capable

Analytics

Tags

# Document Management

- Stores versions of all files (2d/3d/etc.)
- Includes time stamp
- Can download any version



Projects, Data, Folders

**File Versioning**

Permissions

Upload & Download

Invite Users - Internal & External

Teams / Groups

Comments

2D Viewer

3D Viewer

Clashsets

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Tags



# Teams, Permissions & Notifications

**Folder Permissions - 'Presentation'** X

Generic access for project team: No Access

Access for specific users and groups

Begin typing to search...

Concrete Contractor	Read Only Access
Steel Fabricator	Full Access
EOR	Read Only Access
Detailer	Read Only Access

Apply permissions to this folder only  
 Apply permissions to this folder and all its subfolders

Cancel Submit

TrimbleConnect

- Data
- Activity
- ToDo
- Team
- Settings
- Project Details
- Notifications**
- Units
- User Permissions
- Sync
- Viewer

**Broadcast email settings**

Email notification mode: Admin defines settings

Email notifications can be configured for all project members, or users can be allowed to customise their settings individually

Activity Type	Instant	Digest
Files	<input type="checkbox"/>	<input type="checkbox"/>
Folders	<input type="checkbox"/>	<input type="checkbox"/>
Users	<input type="checkbox"/>	<input type="checkbox"/>
Views	<input type="checkbox"/>	<input type="checkbox"/>
Clashsets	<input type="checkbox"/>	<input type="checkbox"/>
Releases	<input type="checkbox"/>	<input type="checkbox"/>
ToDo	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

Daily digest time: 05:00 AM (UTC+00:00) Coordinated Universal Time

Save

Projects, Data, Folders

File Versioning

Permissions

Upload & Download

Invite Users - Internal & External

Teams / Groups

Comments

2D Viewer

3D Viewer

Clashsets

ToDos

Views

Annotations

Associated Data

Activity Feed

Email Notifications

Project Settings

Releases

Offline Capable

Analytics

Tags

# User Activity Tracking

The screenshot displays the Trimble Connect Activity Feed. The main area shows a list of activities for the project 'Trimble WCO Phase 2 Updated Project'. The activities are:

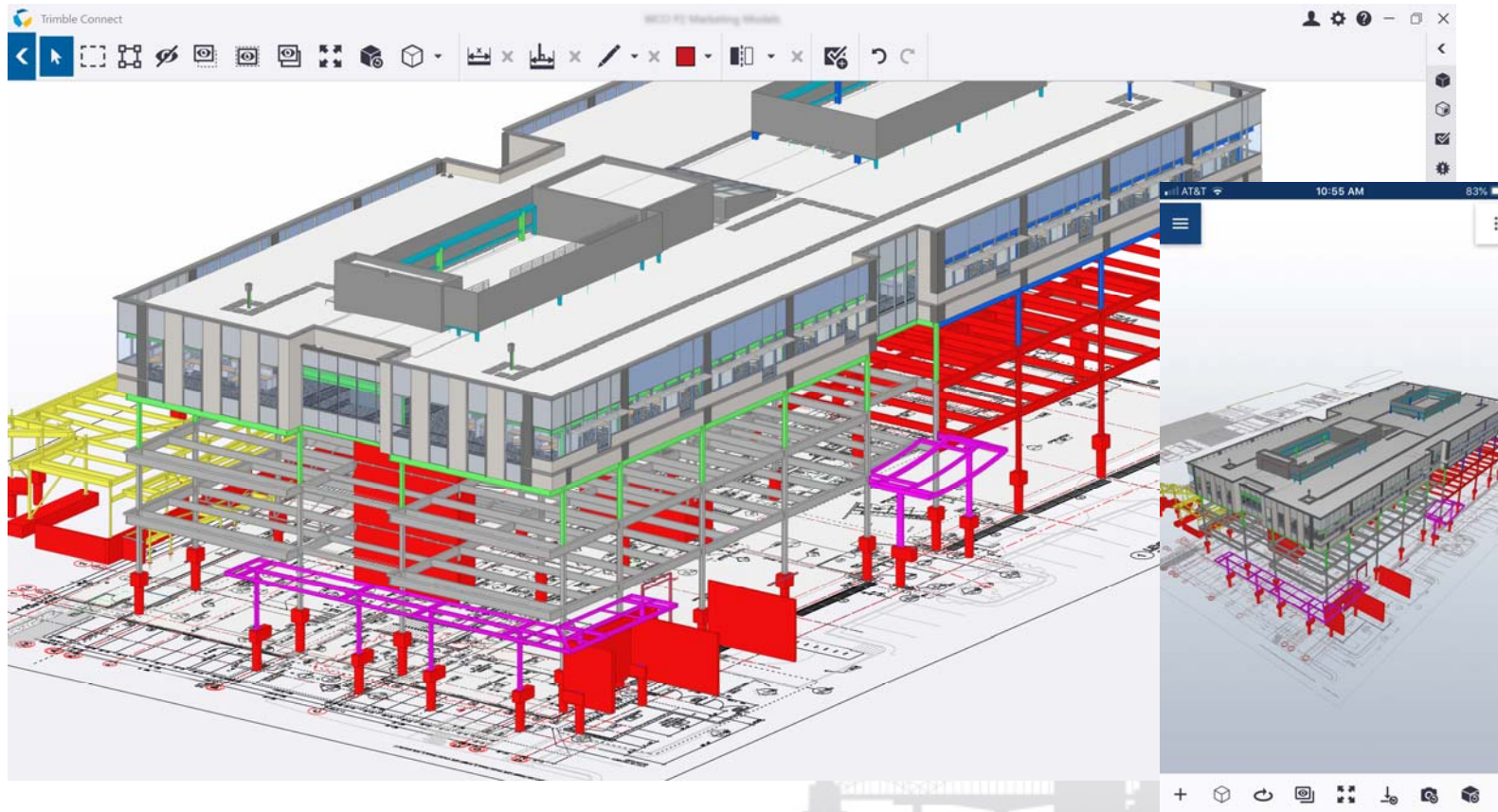
- Nick Thompson** (and part of the group(s) BIM Coordination Team) uploaded 4 files (ENC-ELEC-LEVEL AL..., ENC-ELEC-LEVEL RO..., ENC-ELEC-LEVEL 3.d..., ENC-ELEC-LEVEL 4.d...) on Dec 11 2017 08:41 am PST.
- Nick Thompson** (and part of the group(s) BIM Coordination Team) uploaded 2 files (ENC-ELEC-LEVEL 2.d..., ENC-ELEC-LEVEL 1.d...) on Dec 11 2017 08:21 am PST.
- Nick Thompson** (and part of the group(s) BIM Coordination Team) deleted 4 files (ENC-ELEC-LEVEL 1.d..., ENC-ELEC-LEVEL 2.d..., ENC-ELEC-LEVEL 4.d..., ENC-ELEC-TRIMBLE ...) on Dec 11 2017 08:01 am PST. A 'Restore' button is visible.
- Nick Thompson** (and part of the group(s) BIM Coordination Team) deleted file(s) ENC-ELEC-TRIMBLE PHASE II.rvt on Dec 11 2017 08:00 am PST. A 'Restore' button is visible.
- Lohen Gomez** (at MTech Mechanical and part of the group(s) BIM Coordination Team) synced the project and downloaded 20 file(s) on Dec 11 2017 05:49 am PST. Files include Trimble Phase II - In..., MTE-DUCT-TRIMBLE..., MTE-DUCT-TRIMBLE..., and MTE-MPIPE-TRIMBL...
- David Haertl** (at MTech Mechanical and part of the group(s) BIM Coordination Team) uploaded file(s) ENC-ELEC-TRIMBLE PHASE II.rvt on Dec 11 2017 08:01 am PST.

The right-hand 'Details' panel shows a list of deleted files (4 total):

- ENC-ELEC-TRIMBLE PHASE II.dwg (Nick Thompson, Dec 11 2017 08:01 am PST)
- ENC-ELEC-LEVEL 4.dwg (Nick Thompson, Dec 11 2017 08:01 am PST)
- ENC-ELEC-LEVEL 2.dwg (Nick Thompson, Dec 11 2017 08:01 am PST)
- ENC-ELEC-LEVEL 1.dwg (Nick Thompson, Dec 11 2017 08:01 am PST)

- Projects, Data, Folders
- File Versioning
- Permissions
- Upload & Download
- Invite Users - Internal & External
- Teams / Groups
- Comments
- 2D Viewer
- 3D Viewer
- Clashsets
- ToDos
- Views
- Annotations
- Associated Data
- Activity Feed**
- Email Notifications
- Project Settings
- Releases
- Offline Capable
- Analytics
- Tags

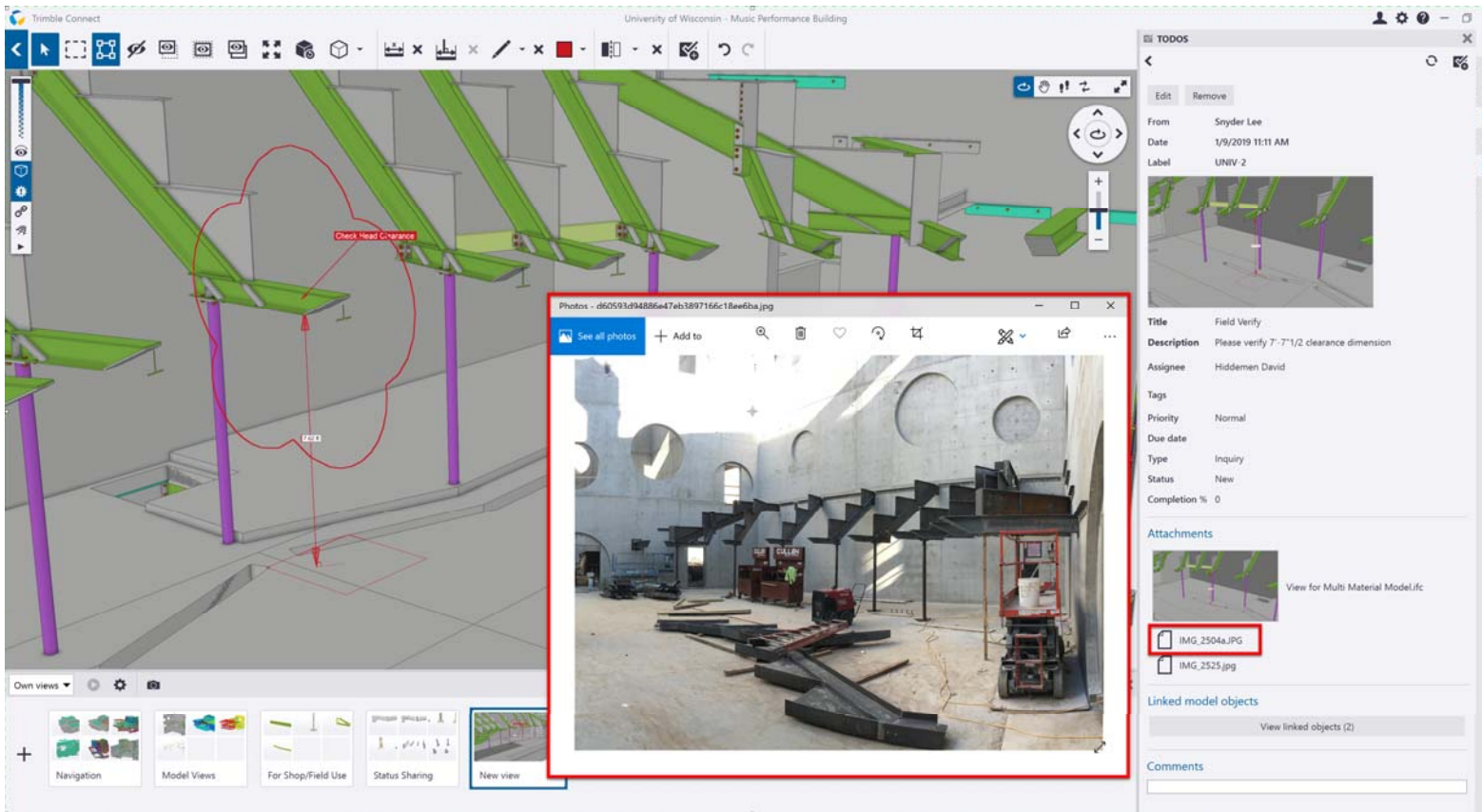
# BIM Viewing



- Projects, Data, Folders
- File Versioning
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- Activity Feed
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- Project Settings
- Releases
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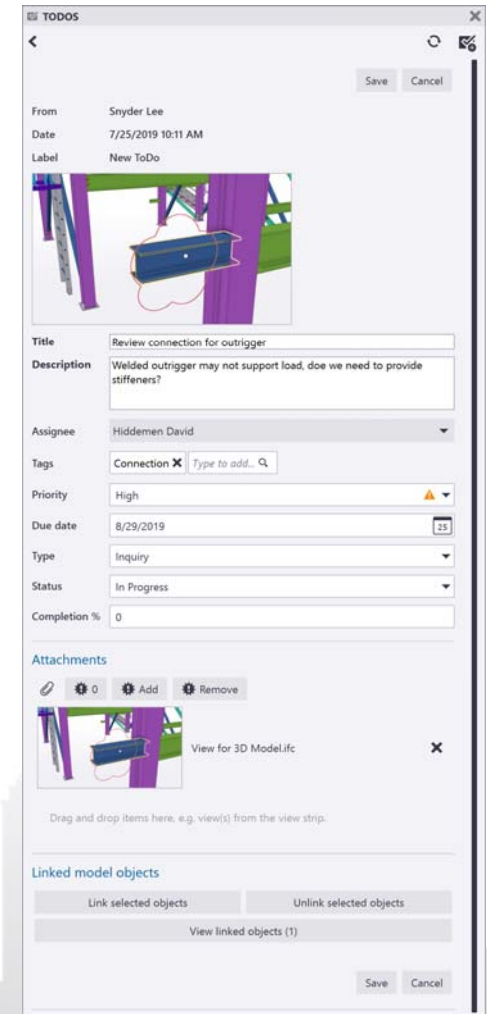
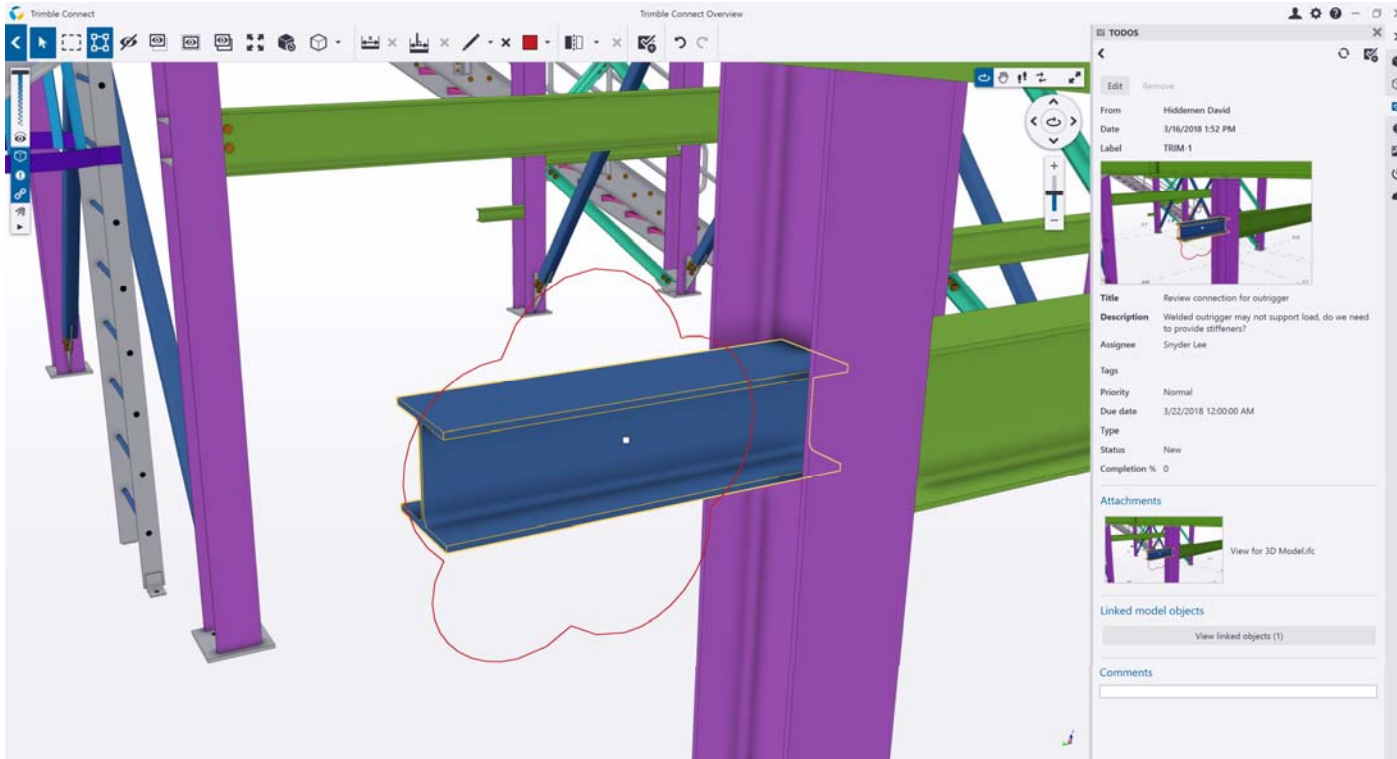
TEKLA  
BASECAMP

# Views, ToDo's & Annotations



- Projects, Data, Folders
- File Versioning
- Permissions
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- Teams / Groups
- [Comments](#)
- 2D Viewer
- [3D Viewer](#)
- Clashsets
- [ToDo's](#)
- [Views](#)
- [Annotations](#)
- Associated Data
- Activity Feed
- [Email Notifications](#)
- Project Settings
- Releases
- Offline Capable
- Analytics
- [Tags](#)

# ToDo's - Create & Track Task



# ToDo's – Assign, Track, Resolve Issues

The screenshot displays the Trimble Connect interface for a project named '435 - GAP'. The main view is a 3D perspective of a steel structure with several red callout boxes numbered 3 through 10. On the right, a 'TODOS' panel lists the following issues:

Author	Assignee	Due...	Sta...	P...	
435--13: PC embed off line S10-S11	Payne John	Carroll Ed	New	▲	
435--12: 10.5 AND 1N. WRONG TYPE EMBED IN PC	Payne John	Huth Kelsey Carroll Ed	New	▲	
435--11: Incorrect PC embed detail	Payne John	Huth Kelsey Carroll Ed	New	▲	
435--10: Pocket in PC NOT EMBED FOR BEAM CONNECTION	Payne John	Huth Kelsey Carroll Ed	7/1/2019	New	▲
435--9: Our delivery trucks ran over 2 anchor bolts epoxy 2 new in...	Payne John	New		▲	
435--8: Footer installed with 6x6 ab pattern r12 changed to 16x16...	Payne John	New		▲	
435--7: JMT E plans at brace bay lacking complet pc marks	Payne John	New		▲	
435--6: AB 4" hung steel came back shifted column on 6/22	Payne John	6/23/2019	New	▲	
435--5: Stabilizer plates too low	Payne John	Carroll Ed	New	▲	
435--4: Tilt embeds off A line low roof	Payne John	Carroll Ed	New	▲	
435--3: Joist seat on column too low	Payne John	Carroll Ed	New	▲	

# Releases

- Send versions of files or folders to project members

The screenshot shows the Trimble Connect interface with the 'Releases' section active. A modal window is open, showing a list of actions: 'Open', 'Sent', 'Phase 1 - Added Stair' (Created by Lee Snyder, Mar 16 2017 11:19 am PDT), 'Phase 1 Steel' (Created by Lee Snyder, Mar 14 2017 11:48 am PDT), and 'Received'. The background shows a table of releases with columns for Name, Version, Size, Last Modified By, and Last Modified On.

Name	Version	Size	Last Modified By	Last Modified On
1 - E1.pdf	1	12 KB	Lee Snyder	Mar 14 2017 11:24 a...
A1 - HSS BRACE.pdf	1	8.98 KB	Lee Snyder	Mar 14 2017 11:24 a...
A2 - BRACE.pdf	1	19 KB	Lee Snyder	Mar 14 2017 11:24 a...
B1 - BEAM.pdf	1	15 KB	Lee Snyder	Mar 14 2017 11:25 a...
B2 - BEAM.pdf	1	12 KB	Lee Snyder	Mar 14 2017 11:25 a...
B3 - BEAM.pdf	1	14 KB	Lee Snyder	Mar 14 2017 11:25 a...
B4 - BEAM.pdf	1	15 KB	Lee Snyder	Mar 14 2017 11:25 a...
B5 - BEAM.pdf	1	11 KB	Lee Snyder	Mar 14 2017 11:25 a...
B6 - BEAM.pdf	1	19 KB	Lee Snyder	Mar 14 2017 11:25 a...
B7 - BEAM.pdf	1	9.36 KB	Lee Snyder	Mar 14 2017 11:25 a...
B9 - BEAM.pdf	1	13 KB	Lee Snyder	Mar 14 2017 11:25 a...
B10 - BEAM.pdf	1	9.43 KB	Lee Snyder	Mar 14 2017 11:25 a...
B11 - BEAM.pdf	1	19 KB	Lee Snyder	Mar 14 2017 11:25 a...
C1 - COLUMN.pdf	1	18 KB	Lee Snyder	Mar 14 2017 11:25 a...

Files related to this release

File name	Version ID	Version date
1 - A81.pdf	FuOZlgh8LjC	Jan 17, 2017 4:08:30 P M
2 - E1.pdf	gTsl_s8NKQ	Jan 17, 2017 4:08:30 P M
3 - E2.pdf	QSSAGdZ00	Jan 17, 2017 4:08:31 P M
4 - E3.pdf	rlwqRTSmako	Jan 17, 2017 4:08:31 P M
6 - E5.pdf	3m6D-5rg-Ps	Jan 17, 2017 4:08:31 P M
7 - E6.pdf	ZvQZPwhL_g	Jan 17, 2017 4:08:31 P M
8 - E7.pdf	CCAKGgCEKSE	Jan 17, 2017 4:08:32 P M
9 - E8.pdf	KKU_hTH6vB4	Jan 17, 2017 4:08:32 P M
10 - E9.pdf	xCPa05g-7h6	Jan 17, 2017 4:08:32 P M
A1 - HSS BRACE.pdf	LwKGGVvYvhw	Jan 17, 2017 4:08:33 P M
A2 - BRACE.pdf	dsWMOGLcLru	Jan 17, 2017 4:08:33 P M
A3 - BRACE.pdf	48ndXrn-2qj	Jan 17, 2017 4:08:33 P M

The screenshot shows an email notification from Trimble Connect. The subject is "Lee Snyder has sent a release". The body contains a table with the following properties:

Property	Value
Project name	Trimble Connect - IMR
Project ID	LnyOBRruOFK
Release name	Submittal 1
Release ID	Z3Qm6BvAZec
Deadline	Jan 22 2017
Sent on	Jan 17 2017 10:51 AM PST
Sent by	Lee Snyder, Tekla
Sent to	User -Dustin Roden (dustin.rodan@trimble.com) -David Hiddemen (david.hiddemen@trimble.com) -Amy Northcutt (Amy.Northcutt@trimble.com)
Release notes	Please review these shop drawings

- Projects, Data, Folders
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- ToDos
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- Annotations
- Associated Data
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- Email Notifications
- Project Settings
- Releases**
- Offline Capable
- Analytics
- Tags

# Document Markup Tools

Trimble Connect

BCF Testing

DATA ACTIVITY TODO TEAM SETTINGS

Revisions

STAIR\_E\_DWG.pdf

Size: 53 KB

Added: Oct 25 2016 05:41 am PDT

By: Lee Snyder

Details

STAIR\_E\_DWG.pdf

Created By: Lee Snyder

Oct 25 2016 05:41 am PDT

Size: 53 KB

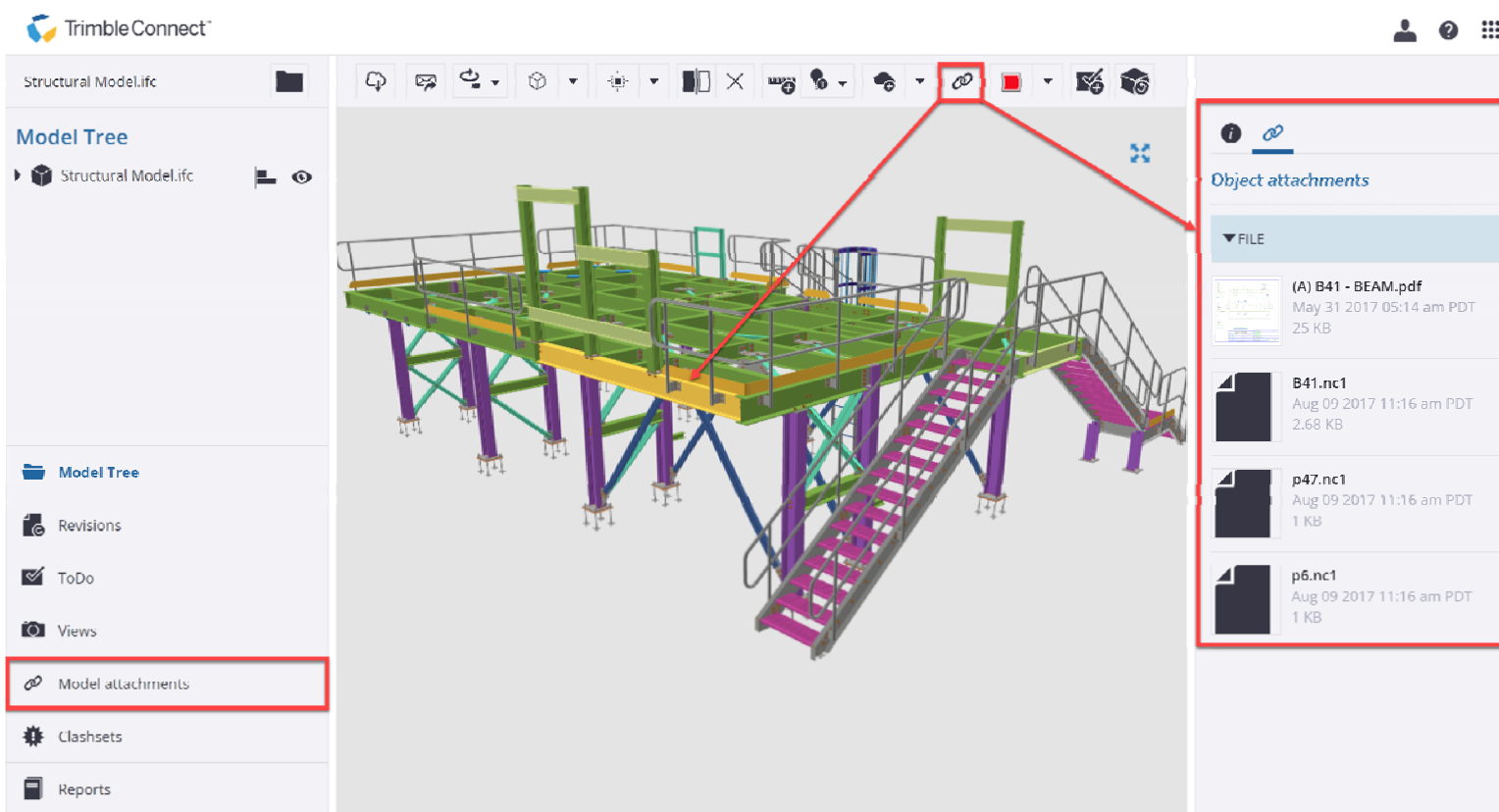
Modified By: Lee Snyder

Oct 25 2016 05:41 am PDT

- Projects, Data, Folders
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- [Comments](#)
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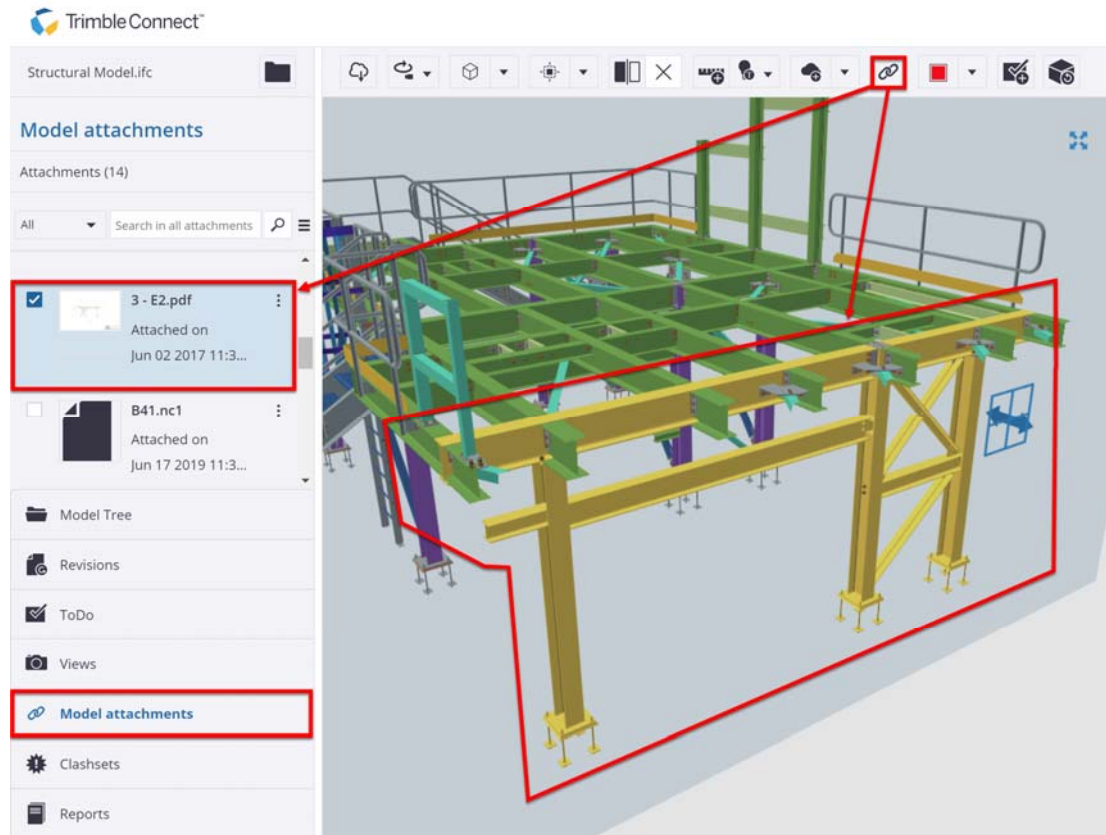


# Attach file(s) or a URL to BIM object(s)



- Projects, Data, Folders
- File Versioning
- Permissions
- Upload & Download
- Invite Users - Internal & External
- Teams / Groups
- Comments
- 2D Viewer
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- Annotations
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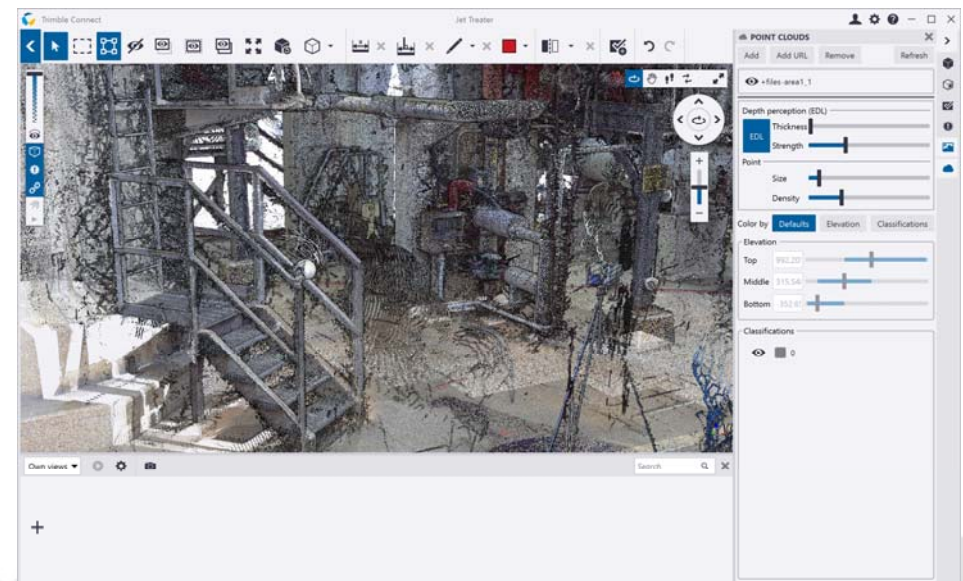
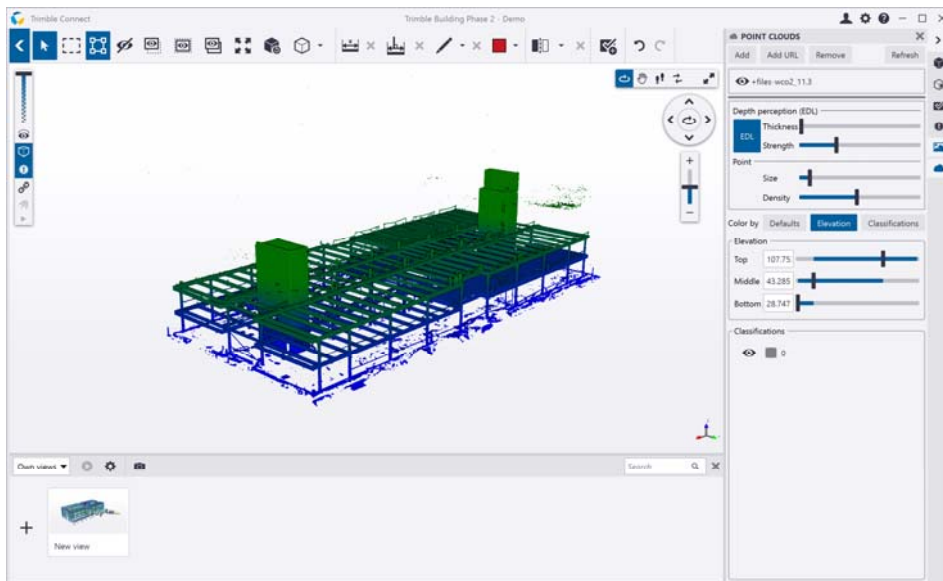
# Attach file(s) or a URL to BIM object(s)



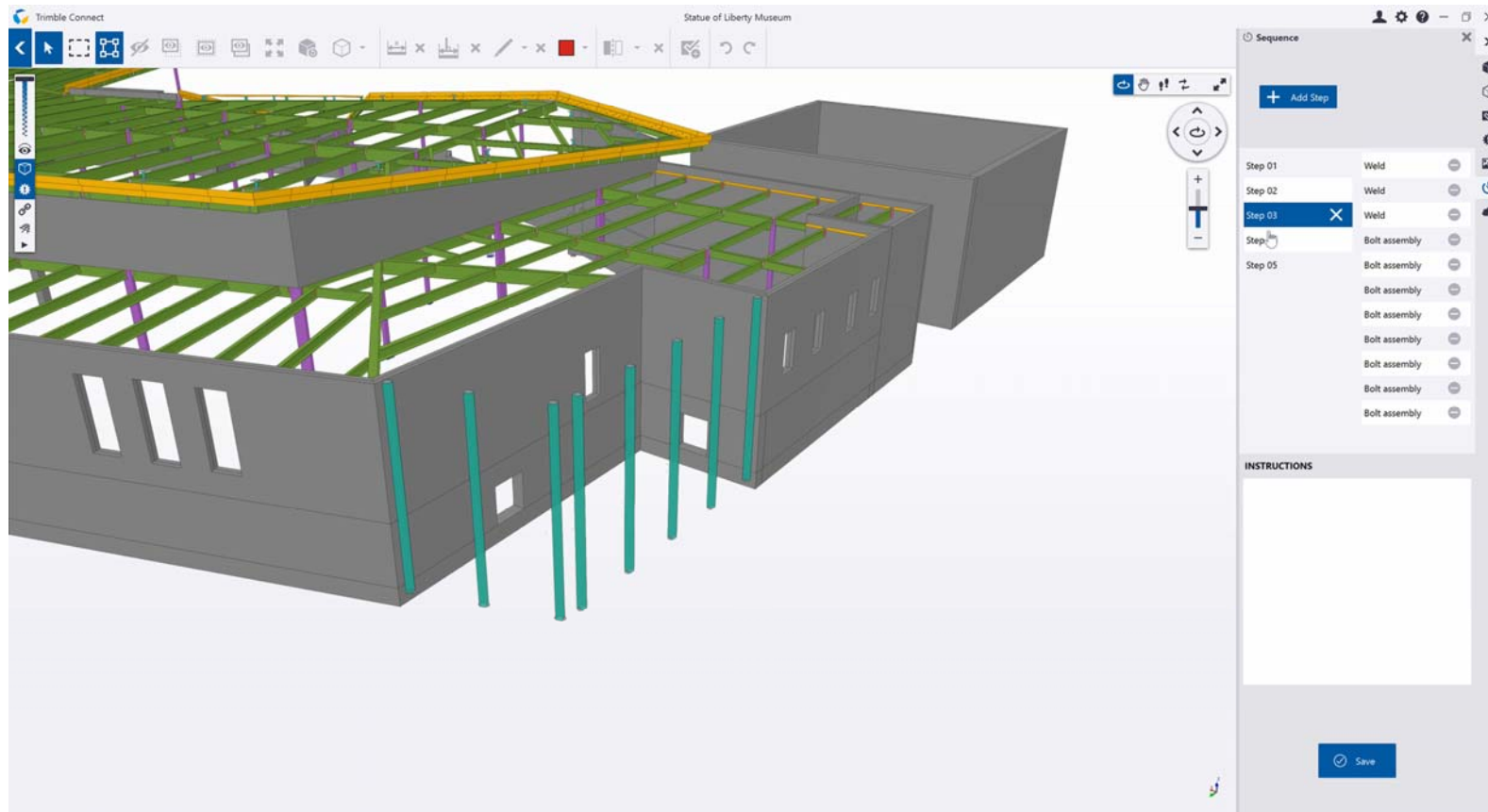
- Projects, Data, Folders
- File Versioning
- Permissions
- Upload & Download
- Invite Users - Internal & External
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- 2D Viewer
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# Point Clouds

- Supported types to import: DB, JS, LAS, LAZ, XYZ, TDX, TZF, E57
- URL support for streaming Potree point clouds

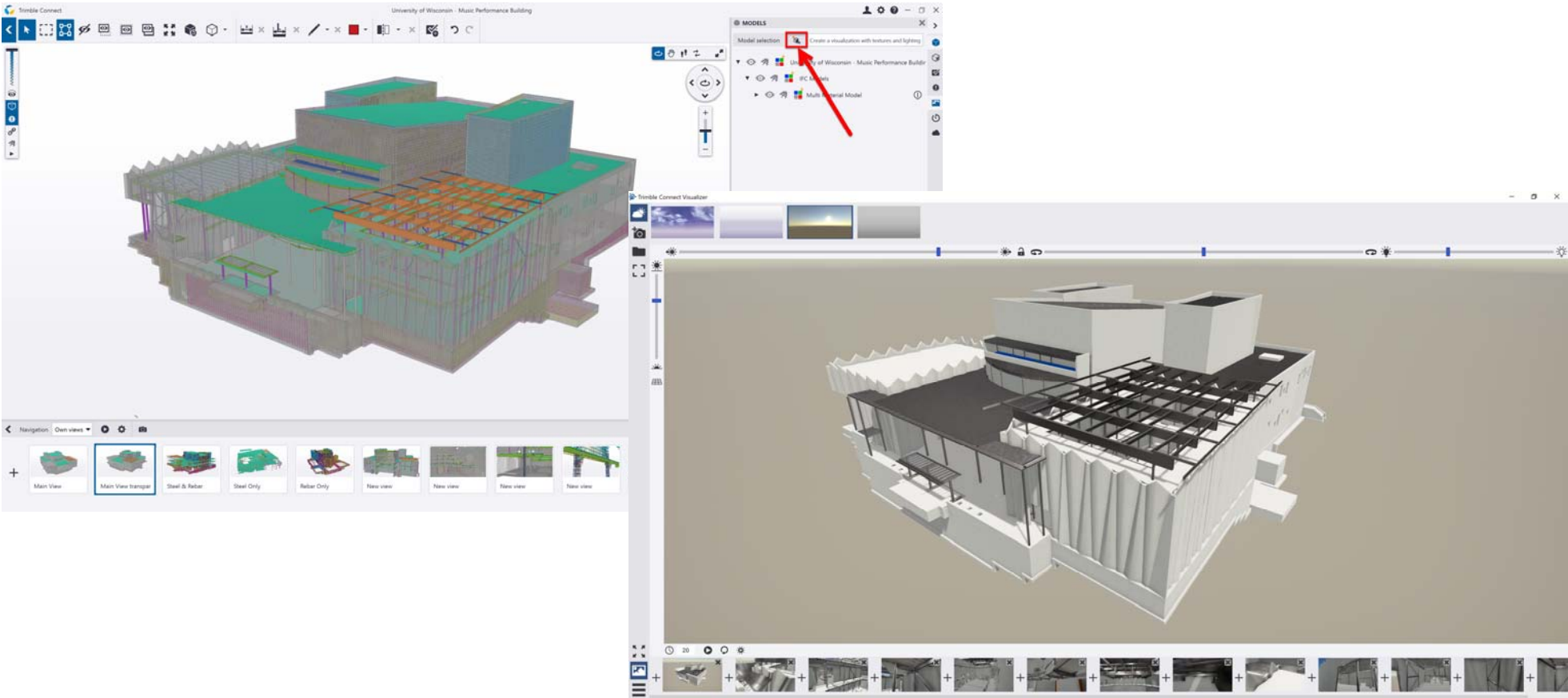


# Sequence - Animate erection & installation sequences



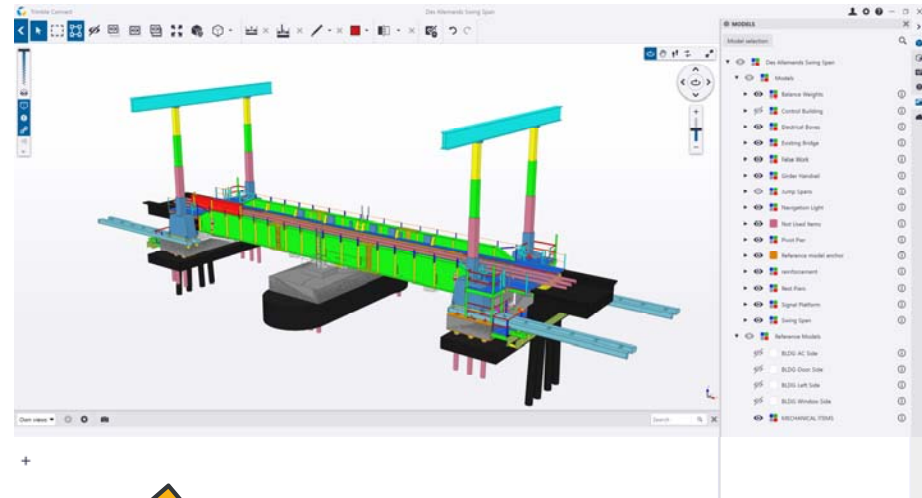
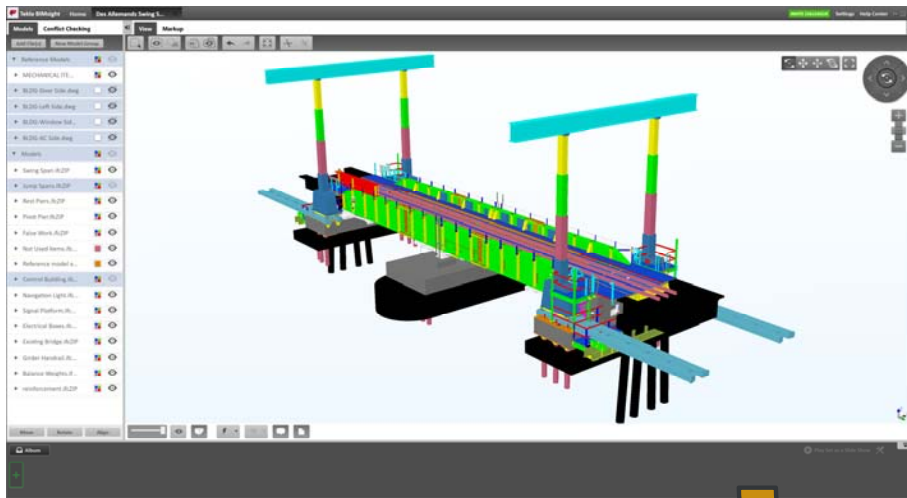
# Trimble Connect Visualizer

2019

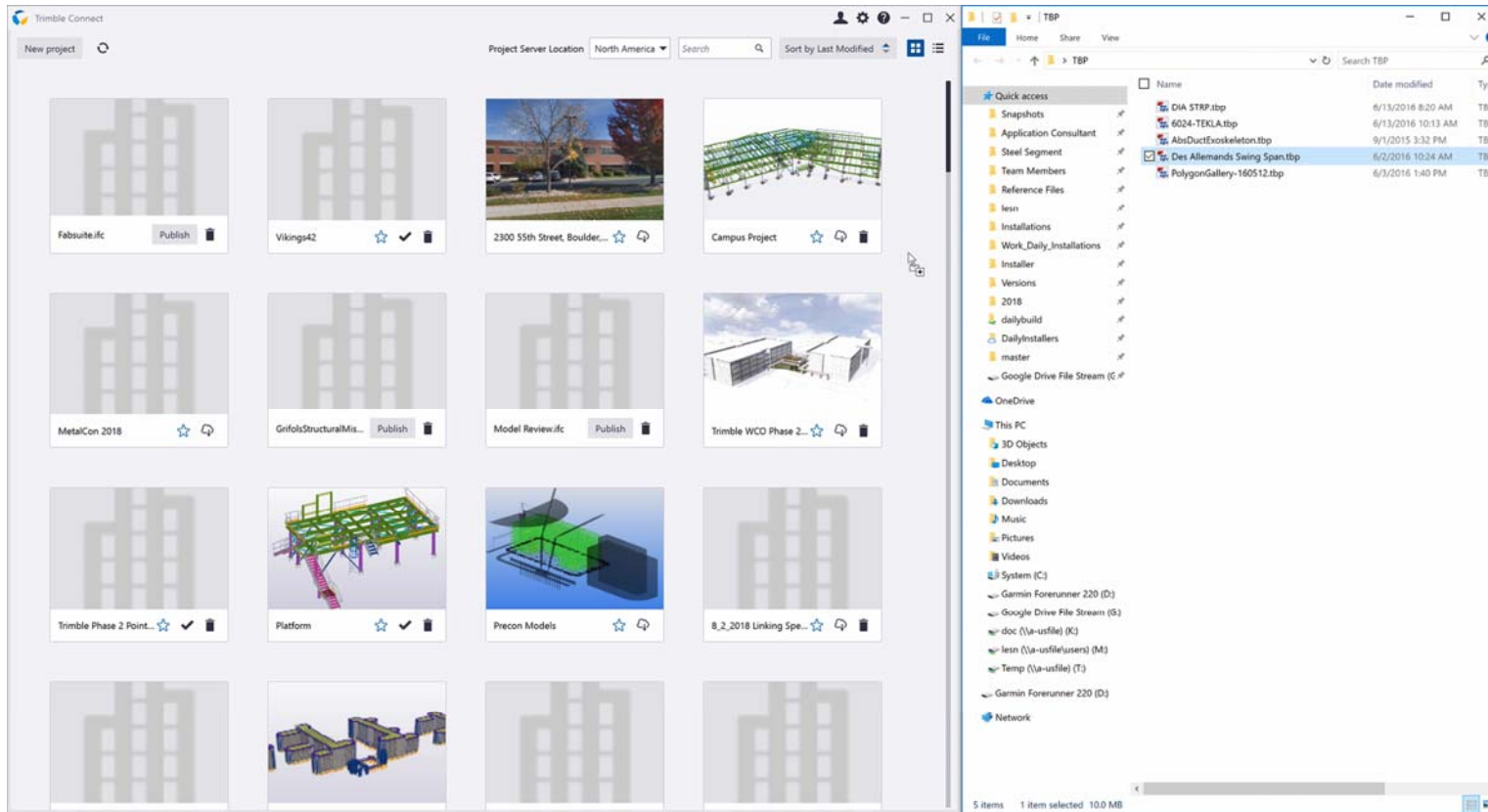


# Tekla BIMsight → Trimble Connect Desktop

- Import Tekla BIMsight package (Simple Drag and Drop)
  - Documents, models and alignments

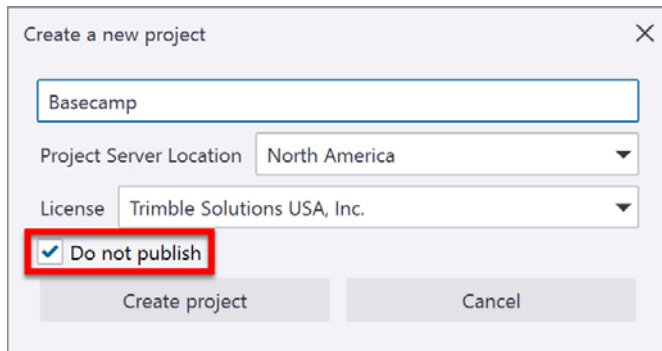


# Tekla BIMsight → Trimble Connect Desktop



# Trimble Connect Desktop - Offline

- Use Trimble Connect Desktop without being connected to the internet
- Choose to not publish certain projects to the cloud



Create a new project

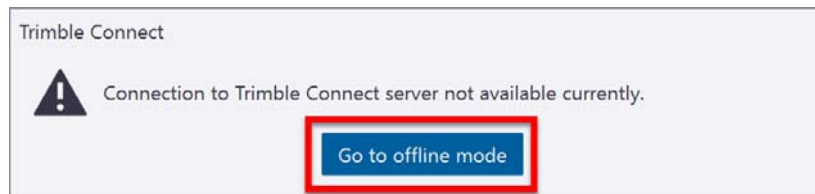
Basecamp

Project Server Location North America

License Trimble Solutions USA, Inc.

Do not publish

Create project Cancel



[Projects, Data, Folders](#)

File Versioning

Permissions

Upload & Download

Invite Users - Internal & External

Teams / Groups

Comments\* (not shared)

2D Viewer

[3D Viewer](#)

Clashsets

[ToDos](#)

[Views](#)

[Annotations](#)

[Associated Data](#)

Activity Feed

Email Notifications

[Project Settings](#)

Releases

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Analytics

[Tags](#)

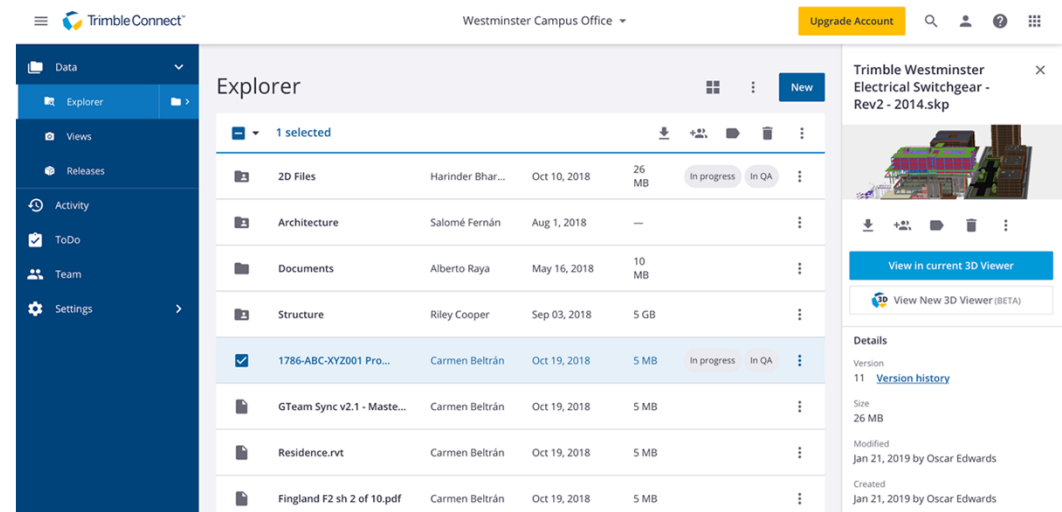


# RECENT DEVELOPMENT



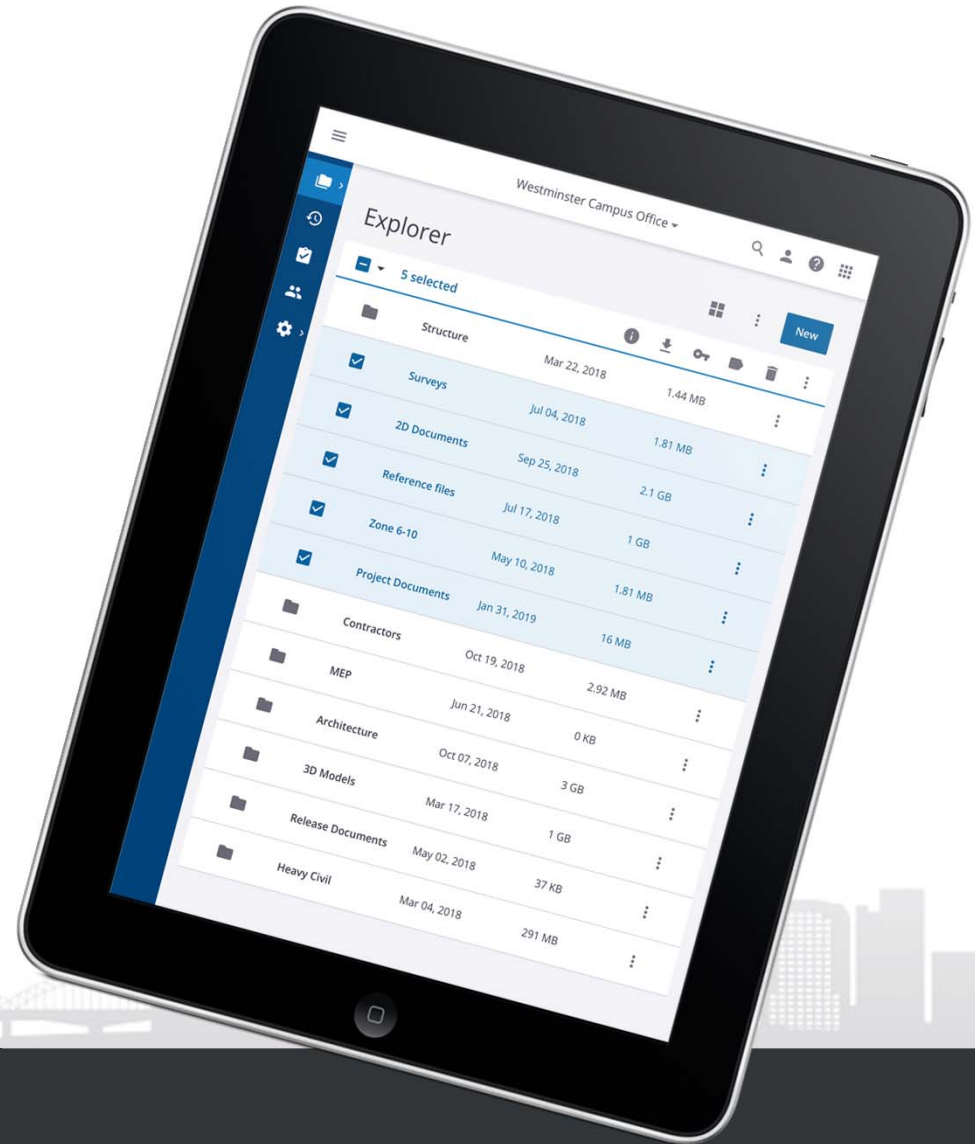
# New UI for Browser

- Unified Experience
- Constructible
- Easy Access
- Optimized Interaction
- BIM Data
- Performance



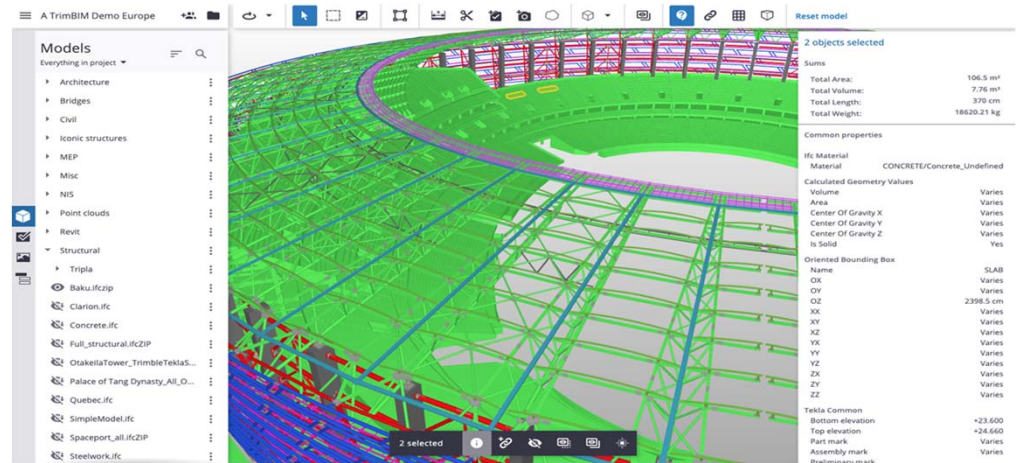
# New UI for Browser

- Unified Experience
- Constructible
- Easy Access
- Optimized Interaction
- BIM Data
- Performance



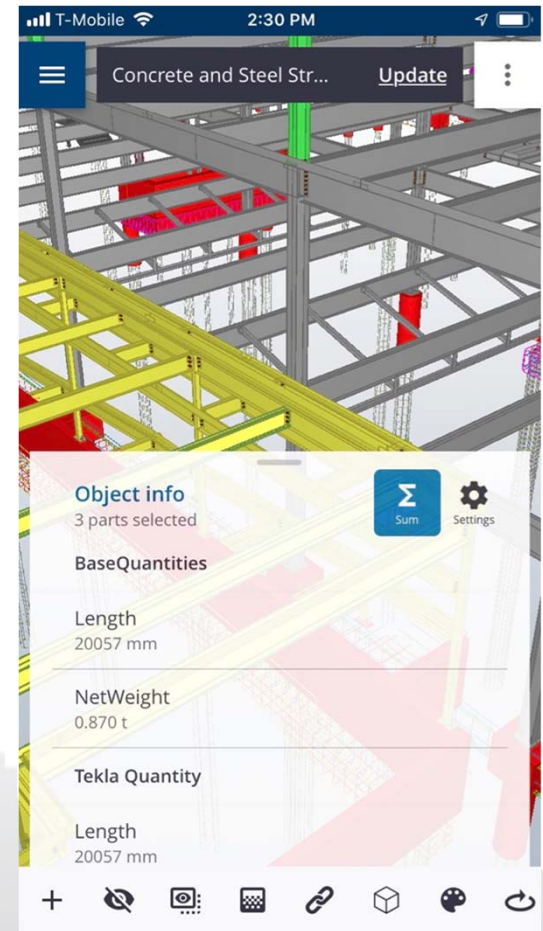
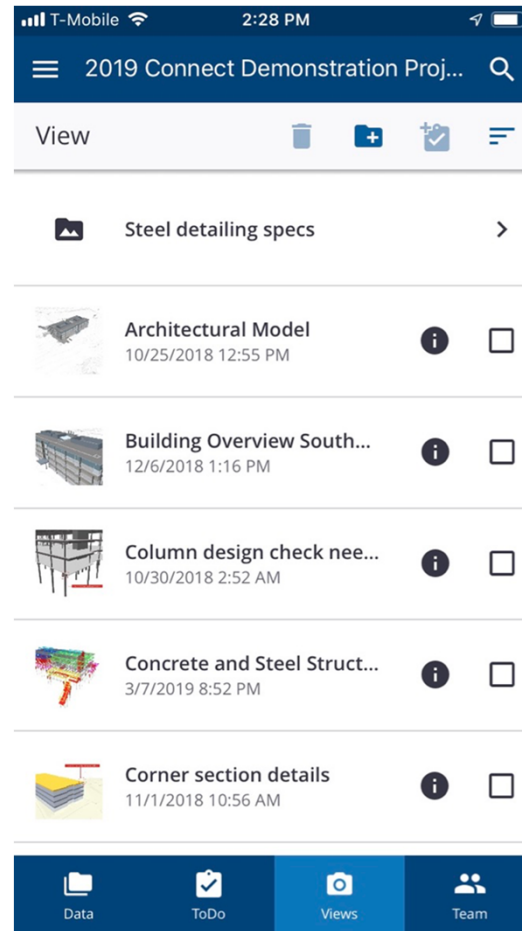
# New 3D Viewer

- Unified Experience
- Constructible
- Easy Access
- Optimized Interaction
- BIM Data
- Performance



# New Mobile UI

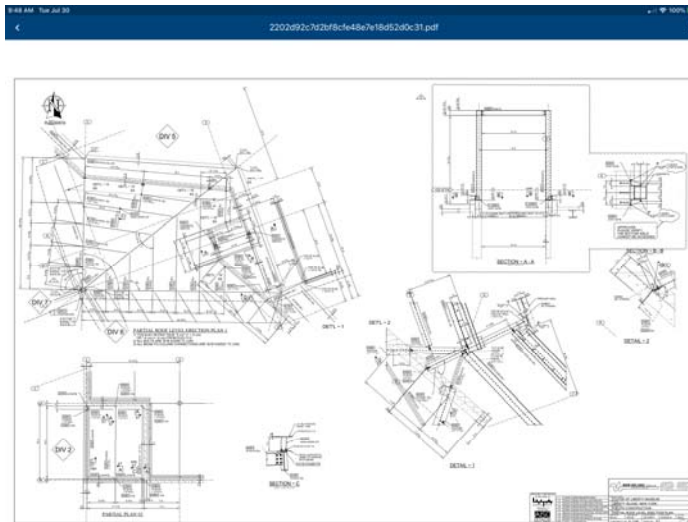
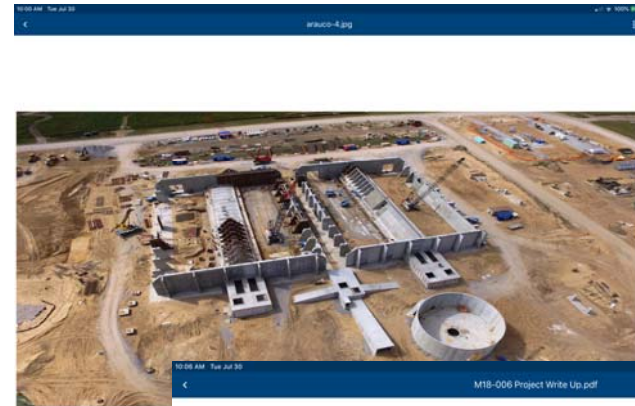
- Unified Experience
- Constructible
- Easy Access
- Optimized Interaction
- BIM Data
- Performance



# TCM - 2D Viewer

- Users can view the 2D files with the following extensions within TCM:

- |        |        |
|--------|--------|
| - doc  | - jpg  |
| - docx | - jpeg |
| - rtf  | - gif  |
| - txt  | - png  |
| - ppt  | - tif  |
| - pptx | - tiff |
| - pdf  | - bmp  |



# GETTING STARTED



# Getting Started With Trimble Connect

- <https://www.tekla.com/products/trimble-connect/getting-started>
- Quick start guide
- Support Documentation

How To Create a Trimble Connect Project

How To Create a Trimble Connect Project

Step 1: Go to <https://connect.trimble.com/>



## Trimble Connect

Thank you for choosing Trimble Connect! Below you can find documentation of the most used functionalities.



### Before You Begin

- System Requirements
- Trimble Connect App Store
- Support Policy - Trimble Connect
- How does the licensing work



### Creating a Project

- Create a Project
- Project Template
- Application Settings
- Company Administration



### Project Settings

- Project Settings (units)
- Set Folder Permissions
- Stay Up to Date With E-mail Notifications



### Project Management

- Rename Files and Folders
- Restore Deleted Files and Folders
- Track, View and Download File Revisions
- Export Project File Listing to Excel
- Track History Using Activities
- Using Search



### Inviting Users

- User Roles Defined
- Managing User Groups
- Import/Export Users
- Inviting Users to a Project



### Uploading Files

- Supported Files
- Trimble Connect Sync
- Upload Download and Sync Files
- Understanding File Processing and Status



### Viewing and Managing 3D Models

- 3D Model Files
- View 2D Files and 3D Models
- How to Navigate 3D Models
- Aligning 3D Models
- Trimble Connect for Revit
- Clip Planes
- Saving Views in 3D
- Linking Documents To BIM Objects
- How to Detect Collisions with Clash Point Clouds
- Grids



### Project Collaboration

- Create and Track Tasks with ToDos
- Release Selected Files to Users
- Change Control with Check In/Out
- Share Data with Public Links
- Import/Export ToDos and BCfs
- 3D Model Reporting



### Things to know

- Sync Conflict Resolution
- Trimble Connect for Desktop Feature Comparison with Trimble Connect For Web
- Trimble Connect APUSDK



**Thank you**





# Tekla and Trimble Field Technology Integrations

Ian\_Warner@Trimble.com

- FTG Product Manager
- Internal Trimble Construction Project Manager
- University, Trade School & Union Outreach Liaison

## Discussion Topics:

- Trimble Field Link & Layout
- 3D Scanning
- CrewSight & LEM
- XR10 & TCHv3.0
- SiteVision
- Partners & Sales Programs
- FTG & EDU Sessions

# TRIMBLE FIELD LINK & LAYOUT OPTIONS



# Trimble Field Technology Layout Portfolio

- Robotic Total Stations

- GNSS & GPS Options



- Rapid Positioning Tool

- Field Ruggedized Tablets

# Trimble Field Link with Robotic Total Station



TEKLA  
BASECAMP



CREATE MEASURE DEVICE MORE

Total: 12  
Remaining: 12

- 151
- 152
- 153
- 154
- 156
- 157
- 158
- 159

0.030 ft  
0.001 ft  
0.010 ft

CREATE MEASURE DEVICE MORE

Total: 21  
Remaining: 21

- 111
- 112
- 500
- 600
- 601
- 602
- 603
- a11

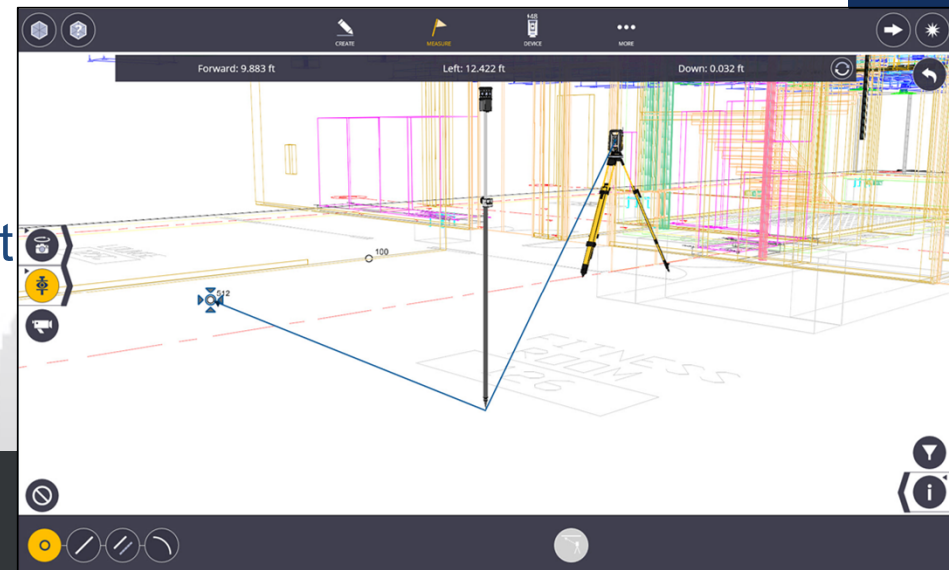
Description: Int-wall  
Layer: Interior wall  
X: 236.897 ft  
Y: 114.437 ft  
Z: 6.565 ft

Attribute 1: ---  
Attribute 2: ---  
Attribute 3: ---  
Attribute 4: ---  
Attribute 5: ---

StaPt2A

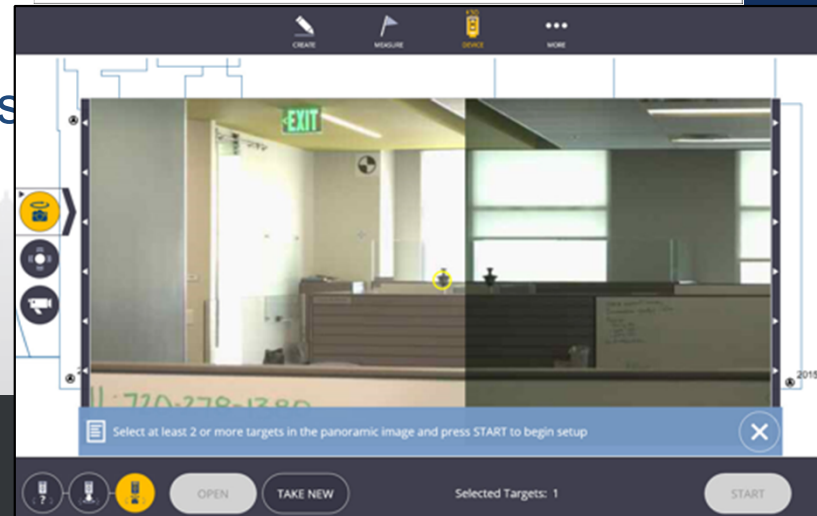
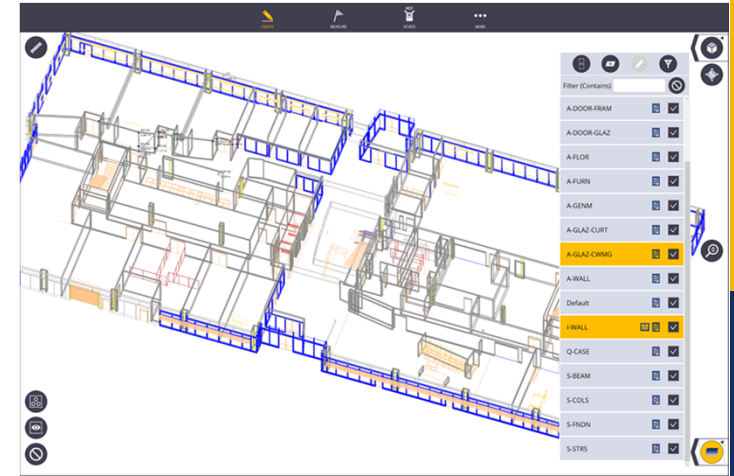
# Trimble Field Link Developments

- Accepts Large Models in **.IFC**, **.DWG**, **.DXF**, **.SKP**, and **.PDF**, or Draw Your Own Plan
- Create Points in the Field, Anchor Bolt Patterns, Linework to As-Built Points, . . .
- Layout Points, or Directly to Linework, Using Prisms, or Laser Pointer in 1.5 Seconds!
- Visual Layout using Laser Pointer for Correct XY or Z location on Walls, Floors or Ceilings



# Trimble Field Link Developments

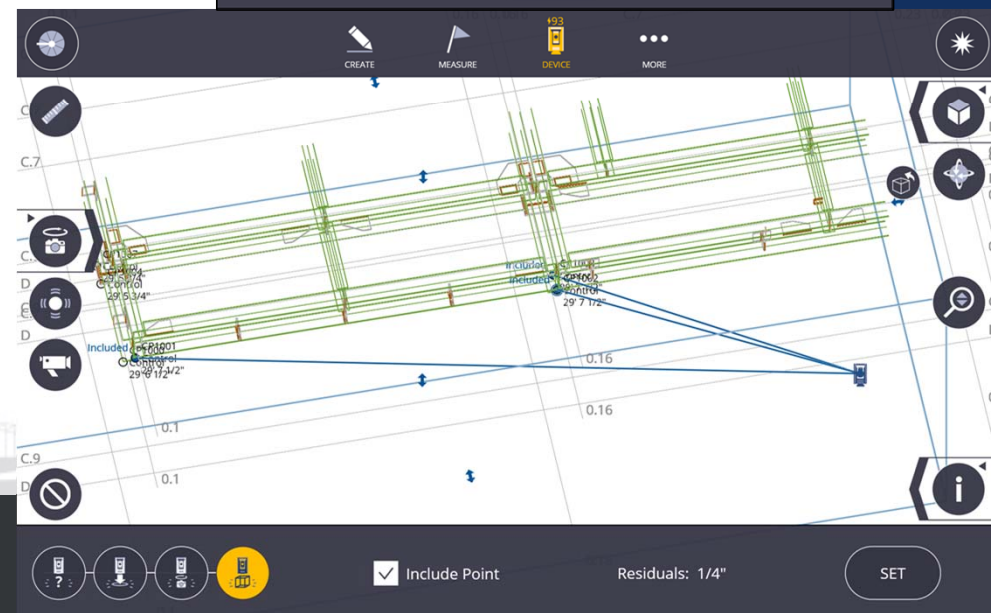
- 3D Orbit View, View Cube, and Extents
- Solid Model, Transparency Settings & Linework Only View Options
- Sectioning Tools & Layer Tools
- Information Button - IFC Data, Points and Line
- Reports for Field Issues, Deviations, & Surfaces
- Trimble Vision, Panorama Images & Augmented Reality!





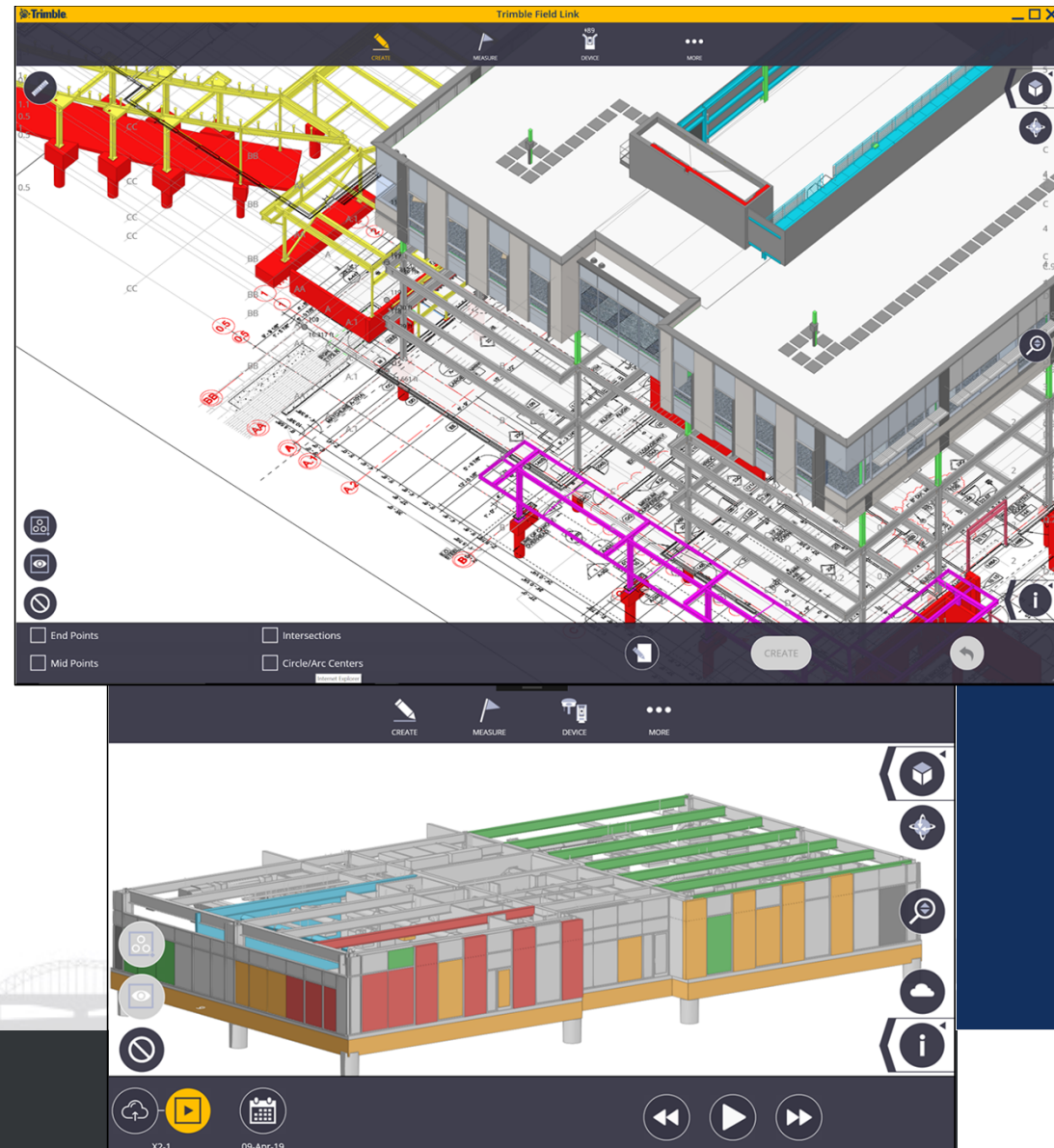
# Trimble Field Link Developments

- **Quick Plumb Tool** - Columns & Walls
- Quick Measure Tool - H, V, & Slope Distances
- Surface Tools to Check Floors, Walls and Ceilings
- Planes and Slope Staking -
- Turn To Feature (theodolite type options)
- Set Up on Control Points, Multiple Control Points, Panorama Set Up, and ...
- **Component Based Set-Up**



# Trimble Field Link v5.3

- **Multiple CAD file Management**
  - Combine IFC, DWG, SKP, PDF's
  - Move, Rotate & Scale
  - Section, Layer & Visibility
  - In Trimble Field Link Office Only
- Prism Search Enhancements
- **Trimble Connect Status Reporting**
- More coming soon . . .



# Trimble Field Link Resources

- Tekla.com - Resources - Field Link
  - Focus on Tekla Steel & Concrete
    - Tekla Workflow for IFC Export
    - Tekla Point Creation & Layout Manager
    - TFL Quick Overview
    - TFL & IFC Import & Creation
    - Component Based Layout



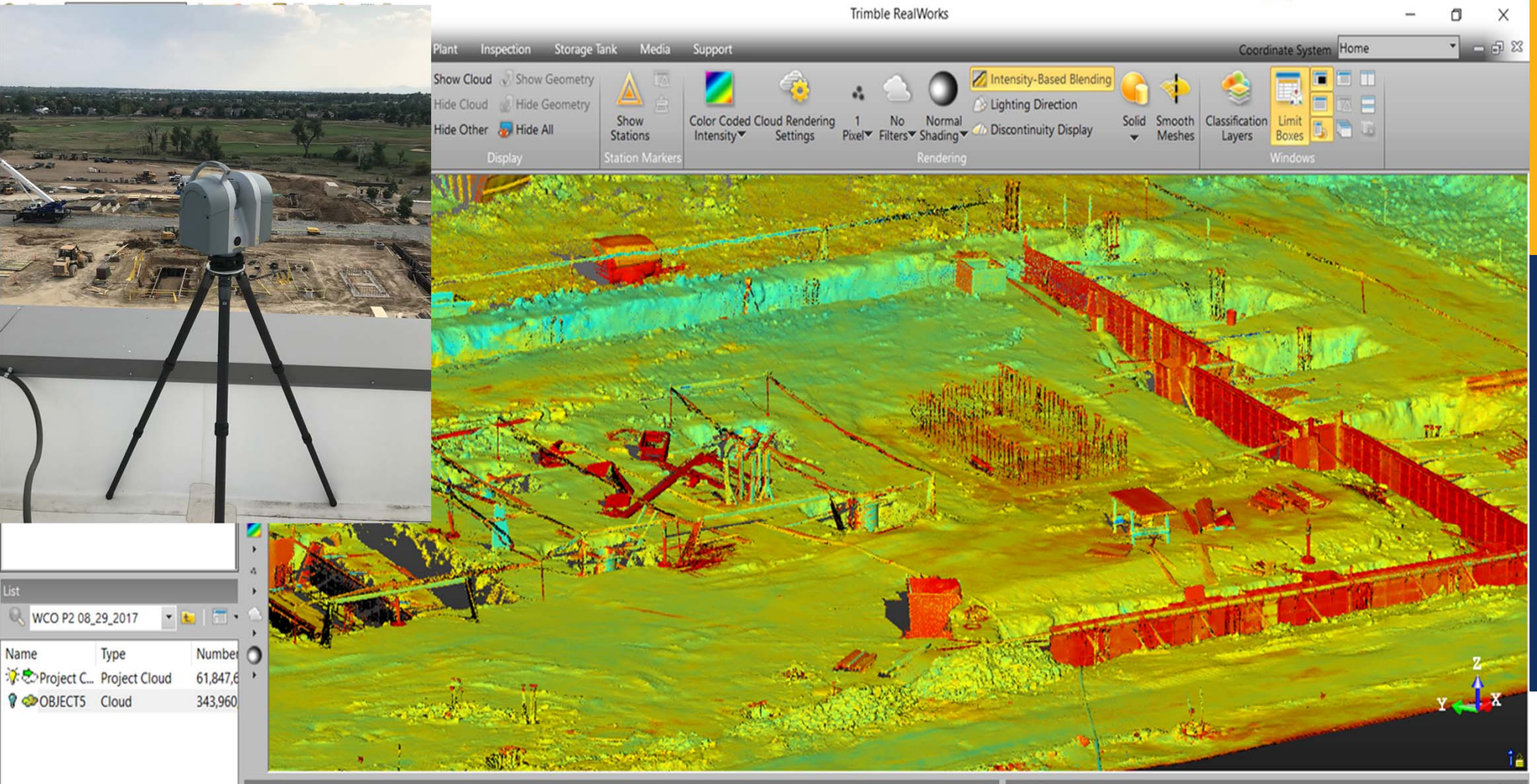
- <https://resources.tekla.com/youtube-general-steel/tekla-structures-to-trimble-field-link-workflow>

- Learn.Trimble.com

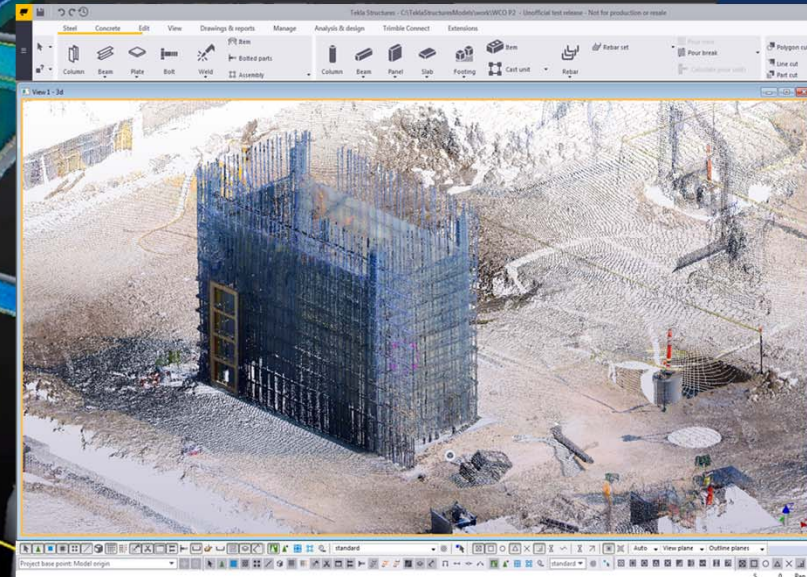
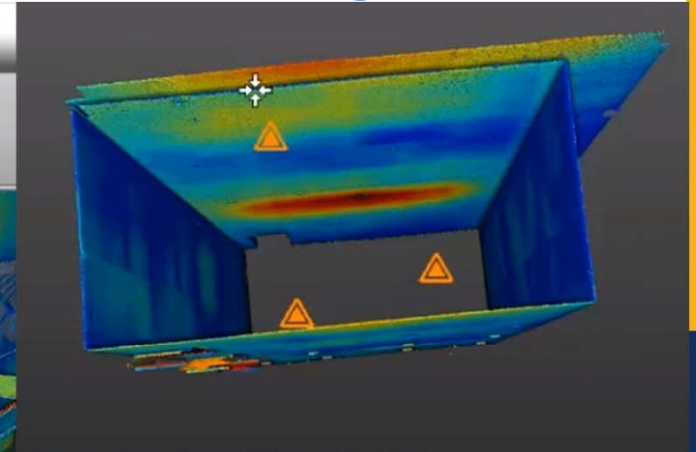
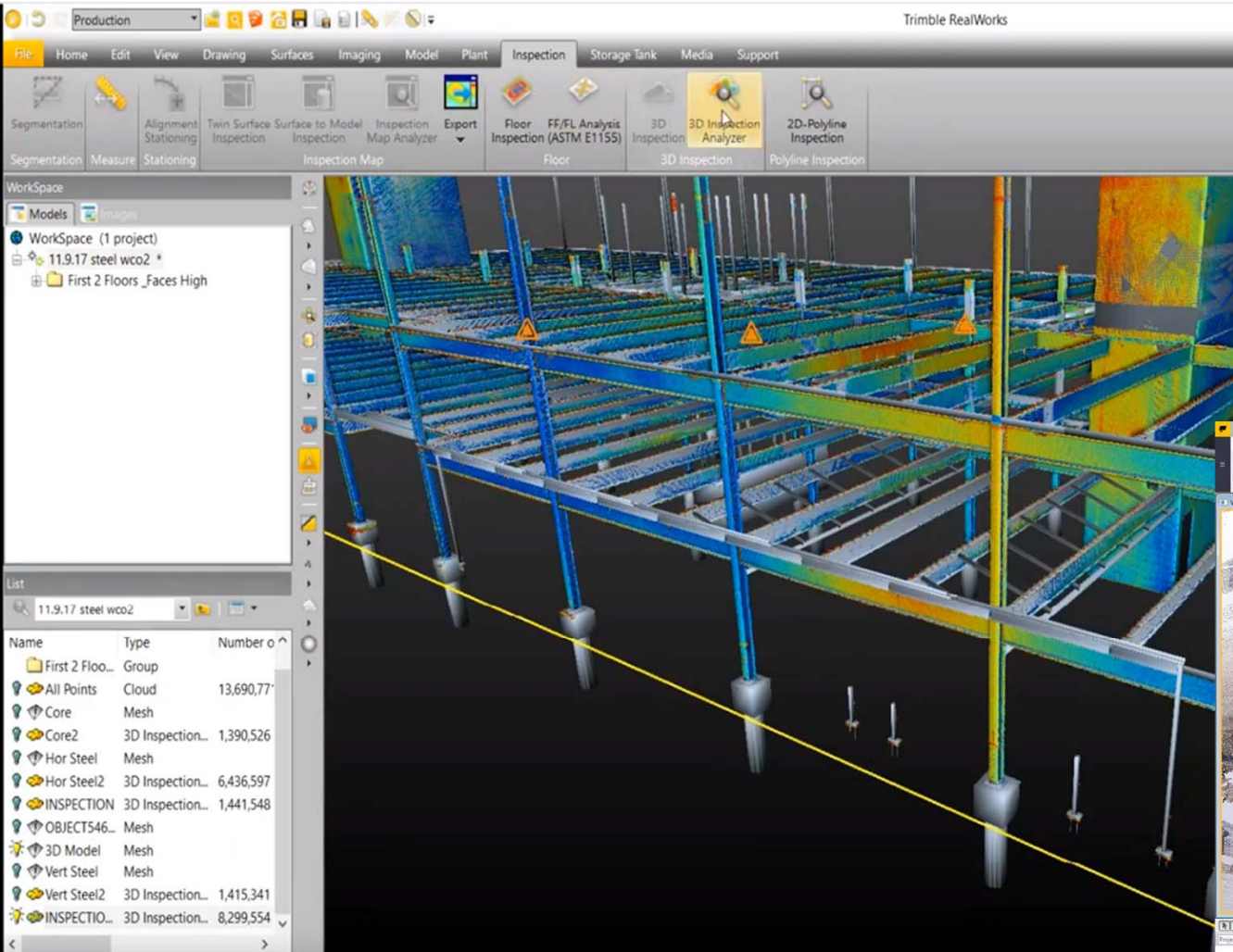
# TRIMBLE REALWORKS AND LASER SCANNING



# Trimble RealWorks and Laser Scanning

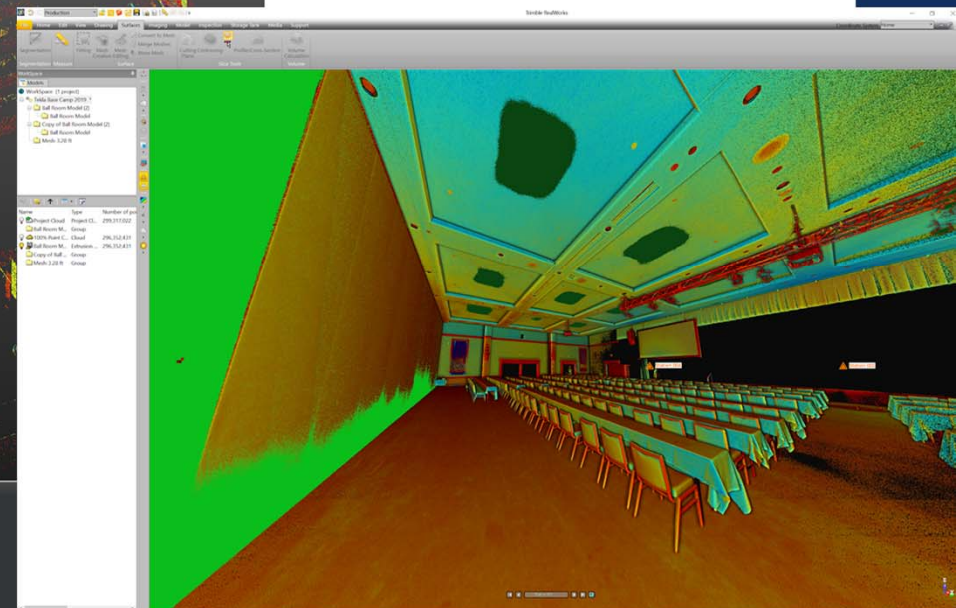
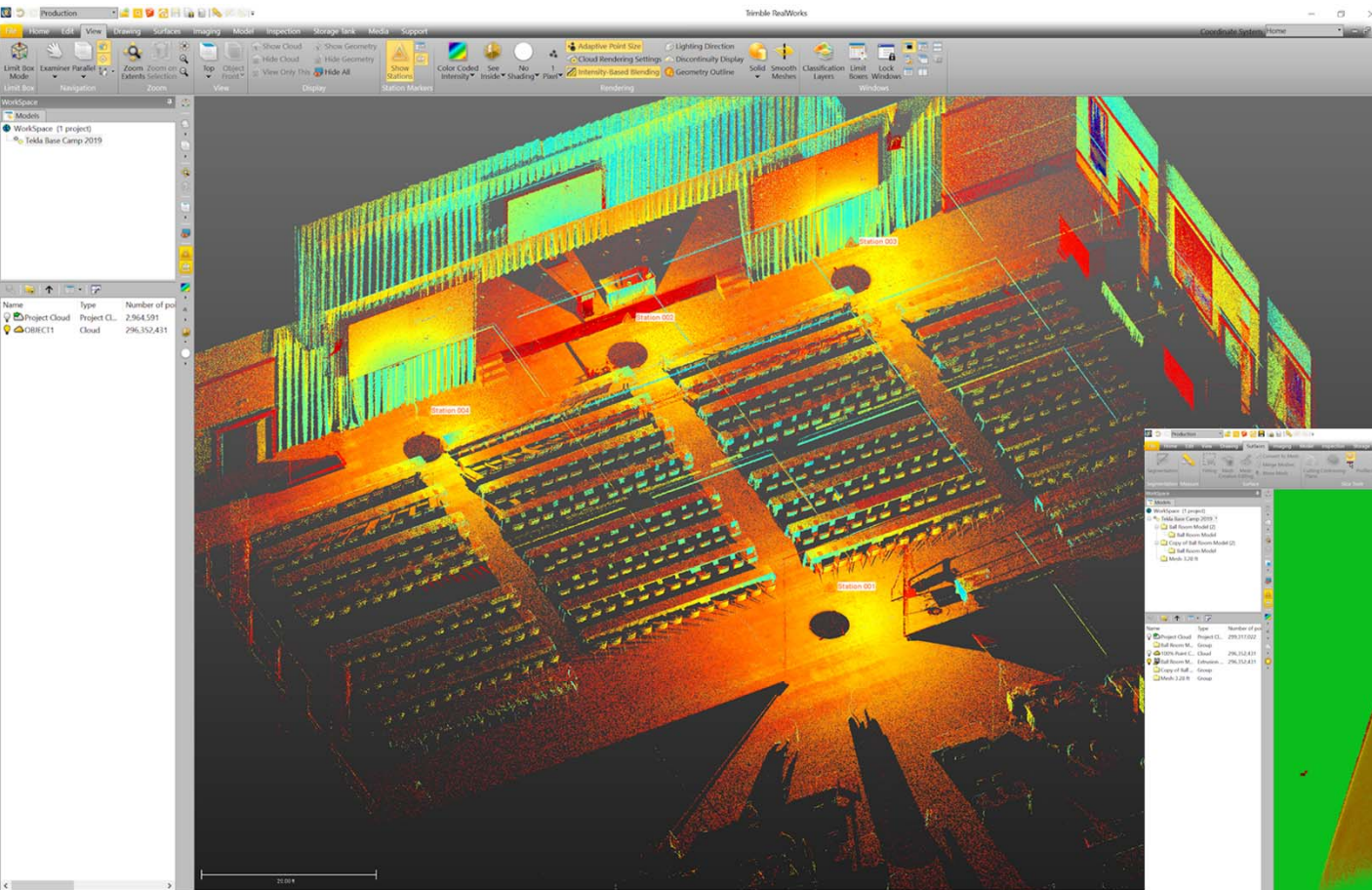


# Trimble RealWorks and Laser Scanning



2019

# Trimble RealWorks and Laser Scanning



TEKLA  
BASECAMP

2019

# Trimble RealWorks and Laser Scanning

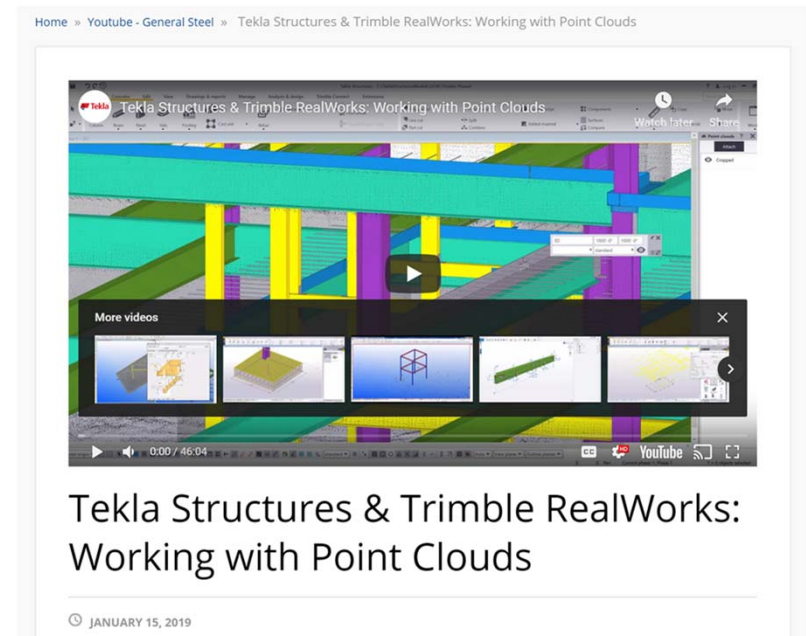


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# Trimble RealWorks and Laser Scanning

- Tekla.com - Resources - Point Clouds
  - Focus on Tekla Steel & Concrete
    - Tekla Workflow for Export
    - RealWorks Import
    - Heat Mapping to Model
    - Floor Flatness
    - RW to TFL for Layout
    - Connect Desktop
- Learn.Trimble.com



<https://resources.tekla.com/youtube-general-steel/tekla-structures-trimble-realworks-working-with-point-clouds>

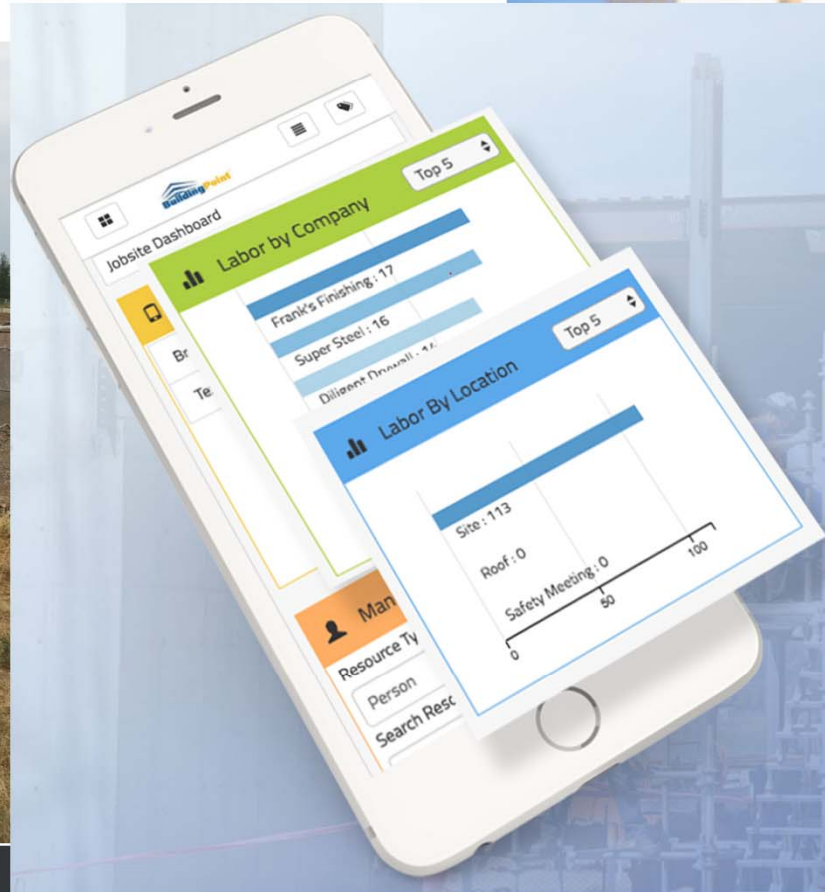
# TRIMBLE LABOR & EQUIPMENT TRACKING



# Trimble CrewSight



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BASECAMP



2019

# Trimble CrewSight



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BASECAMP

# Trimble Labor, Material & Equipment Tracking



## AllTrak™ Cloud

Tool Management Solution

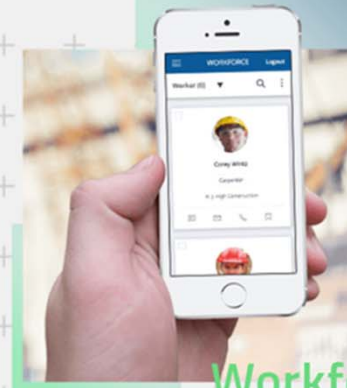
LEARN MORE



## CrewSight™

Access Control Solution

LEARN MORE



## Workforce Registry

Workforce Management Solution

LEARN MORE

Learn More:

[Trimble.com/field-technologies/labor-management](https://trimble.com/field-technologies/labor-management)  
and/or [tool-tracking](https://trimble.com/field-technologies/tool-tracking)

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# TRIMBLE MIXED REALITY SOLUTIONS

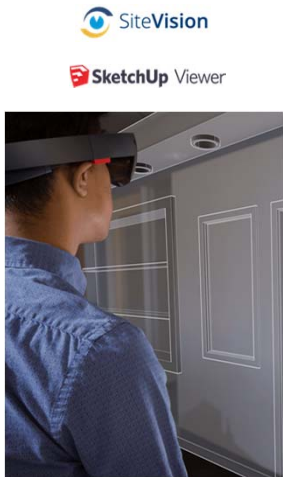


# Trimble XR10 with HoloLens 2

- Mixed-reality HMD OEM using Microsoft HoloLens 2 components
  - Manufactured and sold exclusively by Trimble
- Hardhat integration to enabled mixed reality workflows in safety controlled environments
  - Construction
  - Oil, Gas, & Chemical
  - Manufacturing
  - Automotive
- Sold as part of Trimble Buildings FTG Portfolio
  - Direct via Trimble Buildings
  - Indirect via BuildingPoint Channel
- MSRP: \$4,750.00 (hardware)
  - Bundles available w/software
- Shipping late 2019 in 12 markets



# Mixed Reality - Trimble's Product Suite



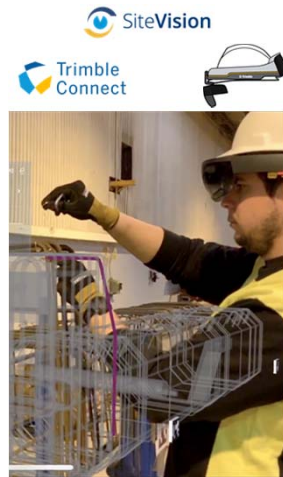
## Architects

Design Review  
Stakeholder Buy-In



## GC's

Model Coordination  
Preconstruction  
Training  
Model Sequencing  
3D Task Management  
Install Verification



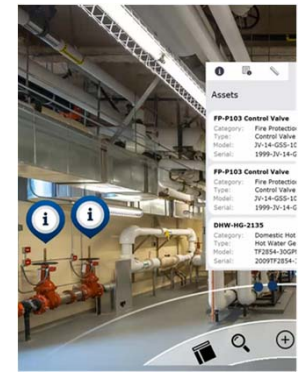
## Pre-Fabricators

Design Review  
Guided Assembly  
Remote Assistance



## Subcontractors

Preconstruction  
Model Sequencing  
Guided Install  
Remote Assistance  
3D Task Management  
Install Verification



## Maintenance

Hidden As-Built View  
3D View of IoT Data  
3D Task Management  
Remote Assistance



# CONSOLIS



Efficiency in the production phase



**CONSOLIS**



# Trimble SiteVision

- Release scheduled for later this year
- Limited availability and knowledge
  - Demo units only for first month
- Courses will be available as well on [Learn.Trimble.com](https://learn.trimble.com)



# Trimble SiteVision: System Components



## INTEGRATED HARDWARE

### EDM enabled handheld Bracket

Battery powered bracket that connects Catalyst antenna, EDM and mounted BYO smartphone into a singled handheld unit



## TRIMBLE CATALYST

### USB-powered GNSS Antenna and Positioning Service

Digital antenna allowing high quality GNSS signals and satellite corrections to be passed to the Catalyst engine running on the Android device.



## SITEVISION APP

### Augmented Reality App

Leverages the power of Google AR Core and Trimble positioning technology to visualize geospatial data in high accuracy



## BYO PHONE




### Compatible with Android 9 smartphones

The smartphone provides a host platform and computing power for calculating positions using the SiteVision app.

TNZ Office Utilities\_24-Jun-18\_01-55.zip



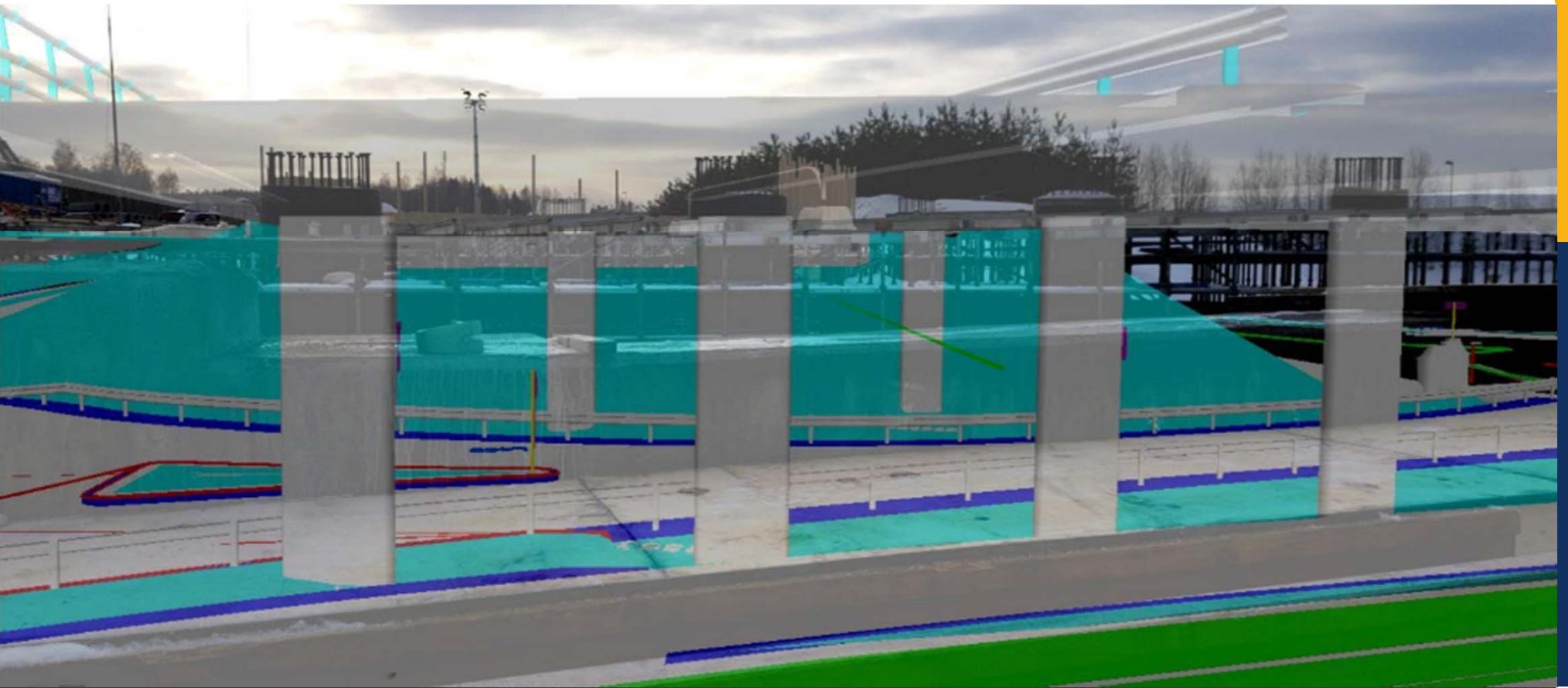
High

-  Load Model
-  Place Model
-  Tools

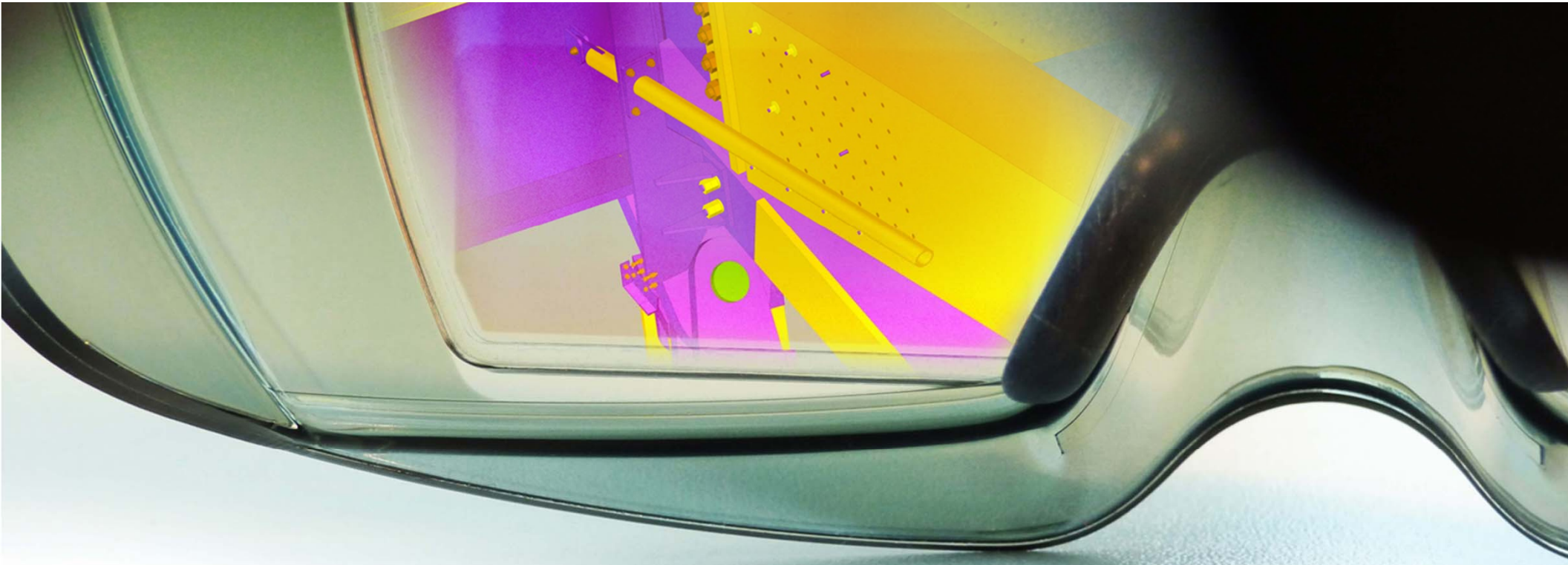
-  Display Settings
-  Configuration
-  User Guide
-  About SiteVision



# Construction Inspection, QA/QC & Progress



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Learn More:  
[Trimble.com/MixedReality](https://Trimble.com/MixedReality)

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BASECAMP 

# Trimble BuildingPoint Partners

<https://buildings.trimble.com/where-to-buy>

HAVE A DEALER CONTACT ME



**BUILDINGPOINT NORTHEAST**  
11615 Crossroads Circle, Ste C  
Baltimore, Maryland 18109-9580  
Website: <http://buildingpointne.com/>

**BUILDINGPOINT OHIO VALLEY**  
372 Morrison Rd., Ste. D.  
Columbus, Ohio 43213  
Website: <https://buildingpointohiovalley.com/>

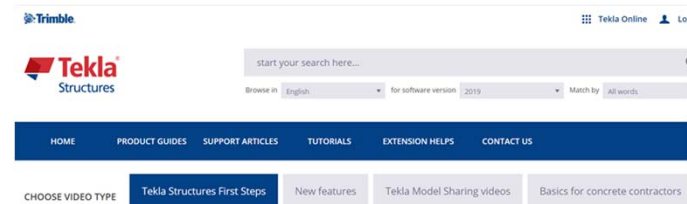
- **RPT600 \$17,990 Full Kit w/ 360 Prism**
- **Tablet Trade-In Program**
- **Trimble RealWorks Free with Scanner**
- **Tekla Base Camp Only - 10% Off RTS & Accessories + (1) Free Trimble Field Link Office License**

TEKLA  
BASECAMP



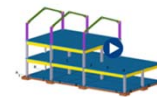
# Trimble Educational Outreach & Training

- Campus.Tekla.com
- Learn.Tekla.com
- Education.Trimble.com



## Elearning course - First steps with Tekla Structures

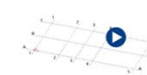
This interactive elearning course consists of ten tutorials. The tutorials use the Default environment.



### FIRST STEPS - START LEARNING TEKLA STRUCTURES

In this lesson, you will learn how to launch Tekla Structures, and how to open and navigate a model. You will learn the basics of the user interface, and more about some of its features: the ribbon,...

★★★★★  
Tutorial duration:  
15min



### FIRST STEPS - WORKING WITH GRIDS

In this lesson you will learn about grids and modifying grid properties. You will learn how to import reference files and how to create views along grid lines.

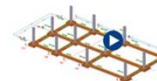
★★★★★  
Tutorial duration:  
10min



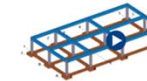
### FIRST STEPS - CREATING FOUNDATIONS

In this lesson, you will learn how to create the foundations for a model. You will create pad footings and strip footings. You will also learn how to copy objects.

★★★★★  
Tutorial duration:  
10min



### FIRST STEPS - CREATING CONCRETE COLUMNS



### FIRST STEPS - CREATING CONCRETE BEAMS



### FIRST STEPS - CREATING CONCRETE SLABS

## Trimble Technology Labs

Partnering with Trimble gives your institution access to many of the latest tools available in Trimble's Constructible-enriched portfolio.

[Learn More](#)

- [https://teklastructures.support.tekla.com/video\\_tutorials](https://teklastructures.support.tekla.com/video_tutorials)

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[Ian\\_Warner@Trimble.com](mailto:Ian_Warner@Trimble.com)

