



I.M.P.A.C.T.
REINFORCE OUR FUTURE

Presented By:
Ian Warner

Technology & Training Programs for the Ironworkers

Trimble Building Solutions

Agenda

01

Construction Technology Trends & How They Can Improve the Industry

- A. Line, Point & Rotating Lasers for Everyday Use
- B. Robotic Total Stations w/ PDF's, 2D CAD and 3D Models
- C. Laser Scanning & Ease of Use for As-Builts and CYA
- D. Mixed Reality & Model Sharing
- F. Robotics and Future Outlook

02

Trimble Training Programs Available for IMPACT Contractors & IW Training Centers

- A. Instructor Led Training and eLearning Options
- B. Certified User and Training Programs
- C. Free Software Available for the Union Training Centers
- D. Next Steps & Wrap Up



01

Technology Trends

And How They Can Improve the
Industry



Line, Point & Rotating Lasers

SpectraLasers.com

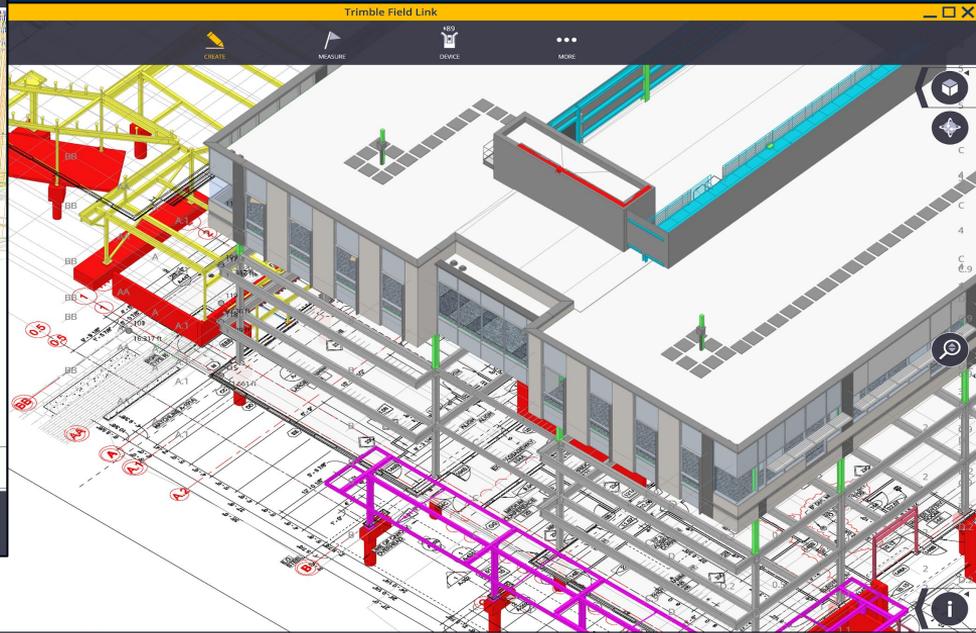
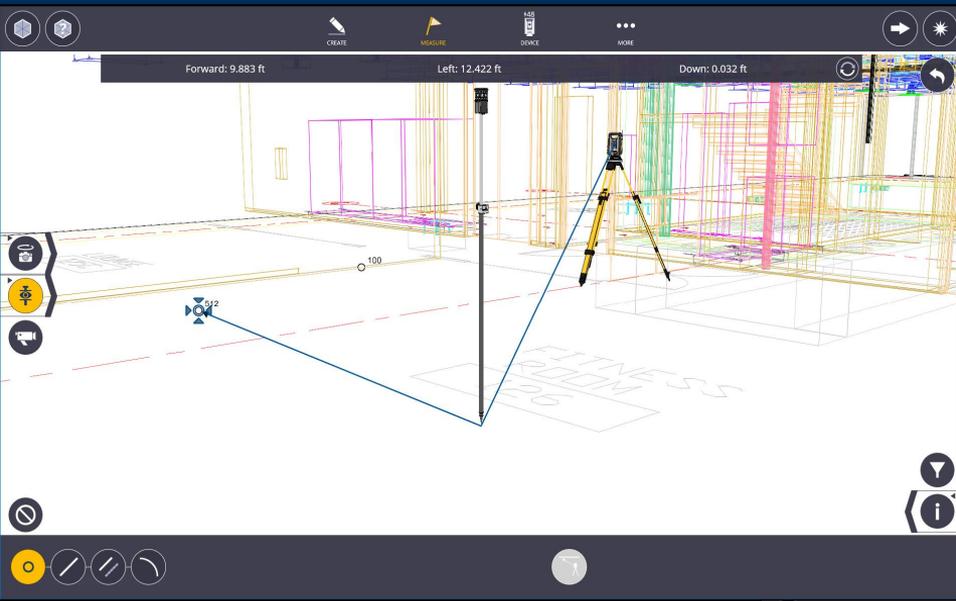


Jim_Hattori@Trimble.com



Robotic Total Stations w/ PDF's, 2D CAD and 3D Models

FieldLink Software



- End Points
- Mid Points
- Intersections
- Circle/Arc Centers





Laser Scanning & Ease of Use for As-Builts and CYA

FieldLink Software

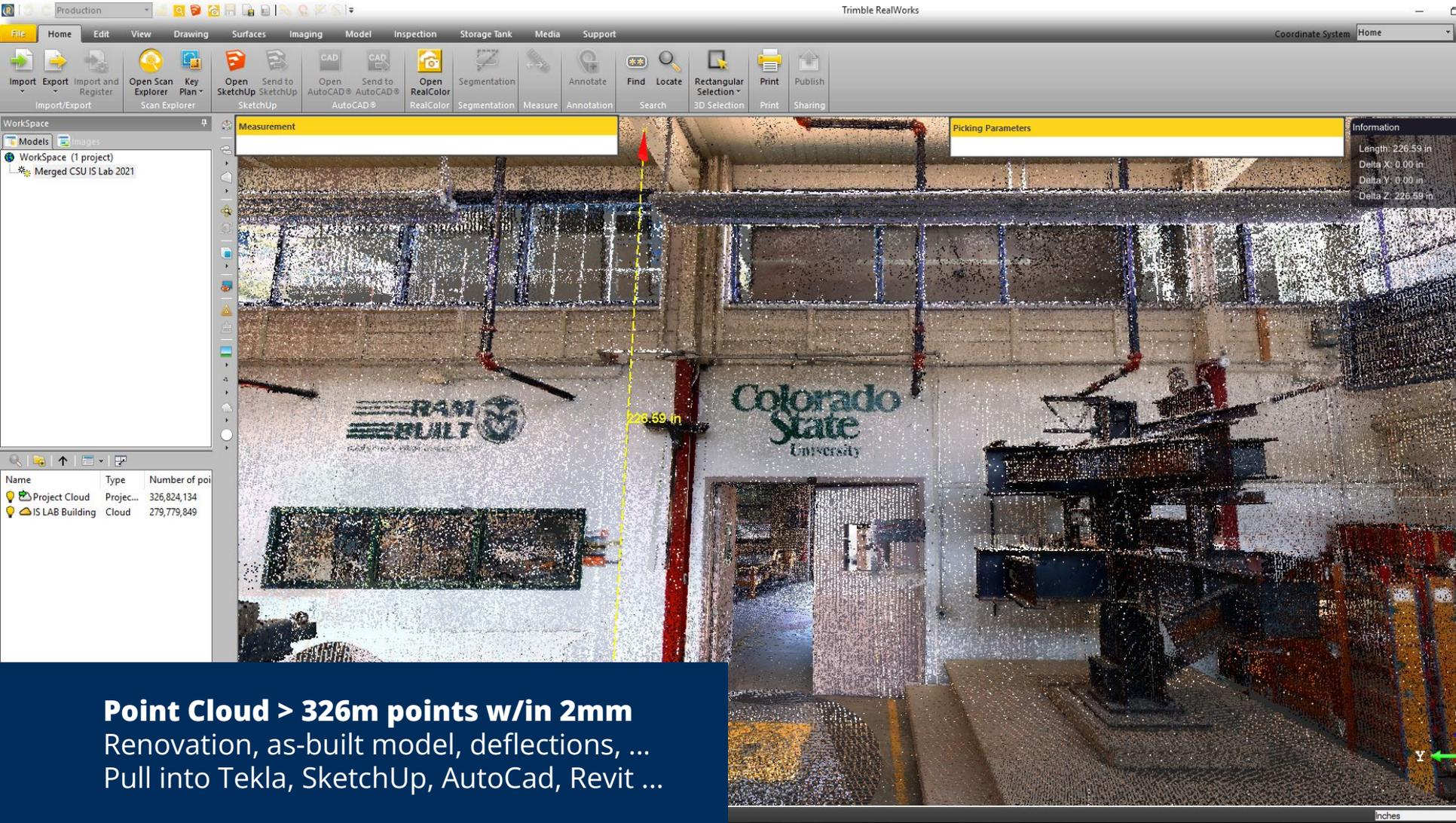


SCAN AND MODEL
IN THE FIELD

SECTION VIEW OF DATA

POINT MEASUREMENT
AND LAYOUT

COMPARE SCAN TO MODEL



Point Cloud > 326m points w/in 2mm

Renovation, as-built model, deflections, ...
Pull into Tekla, SketchUp, AutoCad, Revit ...

Name	Type	Number of poi
Project Cloud	Projec...	326,824,134
IS LAB Building	Cloud	279,779,849

Mixed Reality & Model Sharing

Trimble Connect Desktop, Web, Mobile, HoloLens v2, SiteVision & AR



Robotics & Future Outlook

Trimble Autonomy & Robotics Partnerships



02

Trimble Training Programs

Available for IMPACT Contractors
And IW Local Training Centers



Instructor Led Training & eLearning

Learn.Trimble.com



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FILTERS Spectral

CARDS NAME A-Z

7 items

- CR700 Combination Laser Receiver Introduction
- DG613, DG613G, and DG813 Pipe Lasers
- GL422N Dual Grade Laser
- Green Beam Point and Crossline Laser Tools
- HV101GC-2 Horizontal and Vertical Laser

ENROLL EN ★ 5.0 eLearning

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FILTERS Field Link

3 items

- Trimble Field Link Introduction v5.5
- Trimble Field Link Office - Model Management v5.3
- Trimble Field Points for Revit v4.0

USD \$ 495.00 EN ★ 5.0 eLearning

ENROLL EN ★ 5.0 eLearning

ENROLL EN ★ 5.0 eLearning

Certified User & Trainer Programs

Learn.Trimble.com



	Task	Proficient	Needs
1	Field Layout Solution System Overview		
	Deliver RTS/RPT Powerpoint		
2	Equipment Parts, Pieces, and Setup		
	Assemble the Layout Pole with Tablet		
	Set up and level RTS using the tripod.		
	Set up the RPT on the tripod		
Trimble	Set up and level RTS over a "Known Location" using the tripod.		
	Set up the Base and/or Rover (GNSS only)		
	Assemble 2 different Prism Pole configurations. (RTS only)		
	Turn the W		

TRIMBLE RTS TRAINING DAY 1

8:00 – 9:00	<ul style="list-style-type: none">• Introductions• RTS Power Point Overview
9:00 – 10:15	<ul style="list-style-type: none">• Assemble the Layout Pole with tablet• Set-up and level RTS using the tripod
10:15 – 10:25	Break
10:25 – 11:00	<ul style="list-style-type: none">• Explanation of all buttons and connections on Tablet• Identify location of the 'Jobs' folder (create a shortcut on the desktop)• Open and explain the four main buttons; More, Device, Measure, and Create• Explain all the buttons and zippers on the map screen
11:00 – 12:00	<ul style="list-style-type: none">• Connect to RTS• Select and Measure a minimum two points to complete a resection• Read and adjust the Prism Settings<ul style="list-style-type: none">• Height of Rod• Correct Prism• Read and adjust the Instrument Settings; Temperature, Pressure, etc.• Layout Points• Collect Points
12:00 – 1:00	Break
1:00 – 2:30	Hands On Practice and Q & A
2:30 – 2:40	Break
2:40 – 4:00	Hands On Practice and Q & A



Free Software for IW Training Centers

Trimble Software Available for Training Centers:
Connect.Trimble.com

- Sharing of Data & Models, Status Tools, Mixed Reality

FieldLink Office

- Prepare data for field & Training
- Process data in office as required

RealWorks

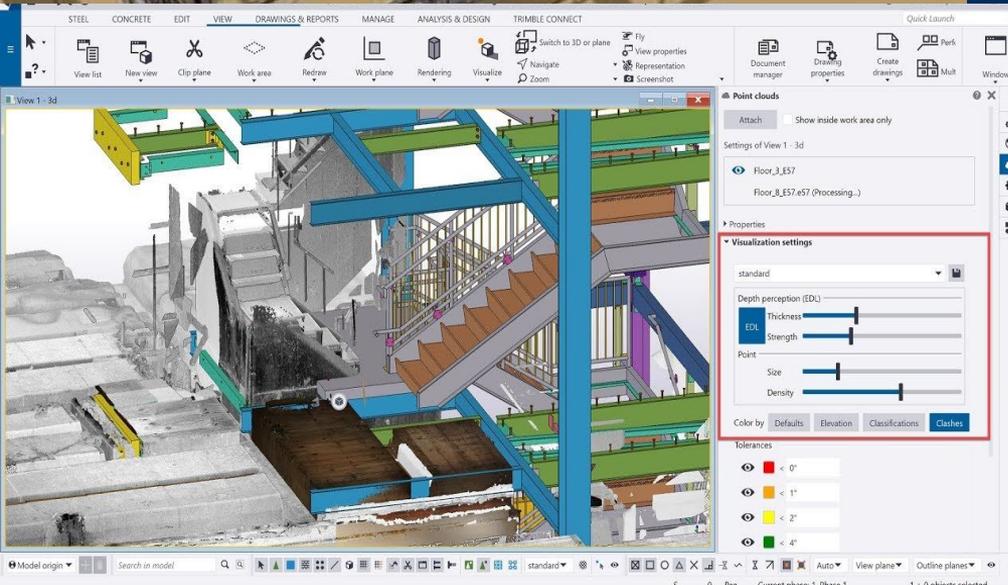
- Detailed editing, auto extraction, analysis & modeling of scan data

SketchUp.com *(ScanEssential extension)*

- 3D Modeling w/ 5m Models Available in Warehouse

Tekla *(Campus.Tekla.com)*

- Detailing of steel, concrete, rebar, curtainwall, ...





Next Steps & Wrap Up

Contact Information for Training, Rentals, Sales & Support

Find the BuildingPoint Partner Network at:
[Fieldtech.trimble.com/en/where-to-buy](https://fieldtech.trimble.com/en/where-to-buy)

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