

Technology in Construction

An introductory toolkit of technology for your project needs

Construction Business Accelerator Program - May 22, 2025



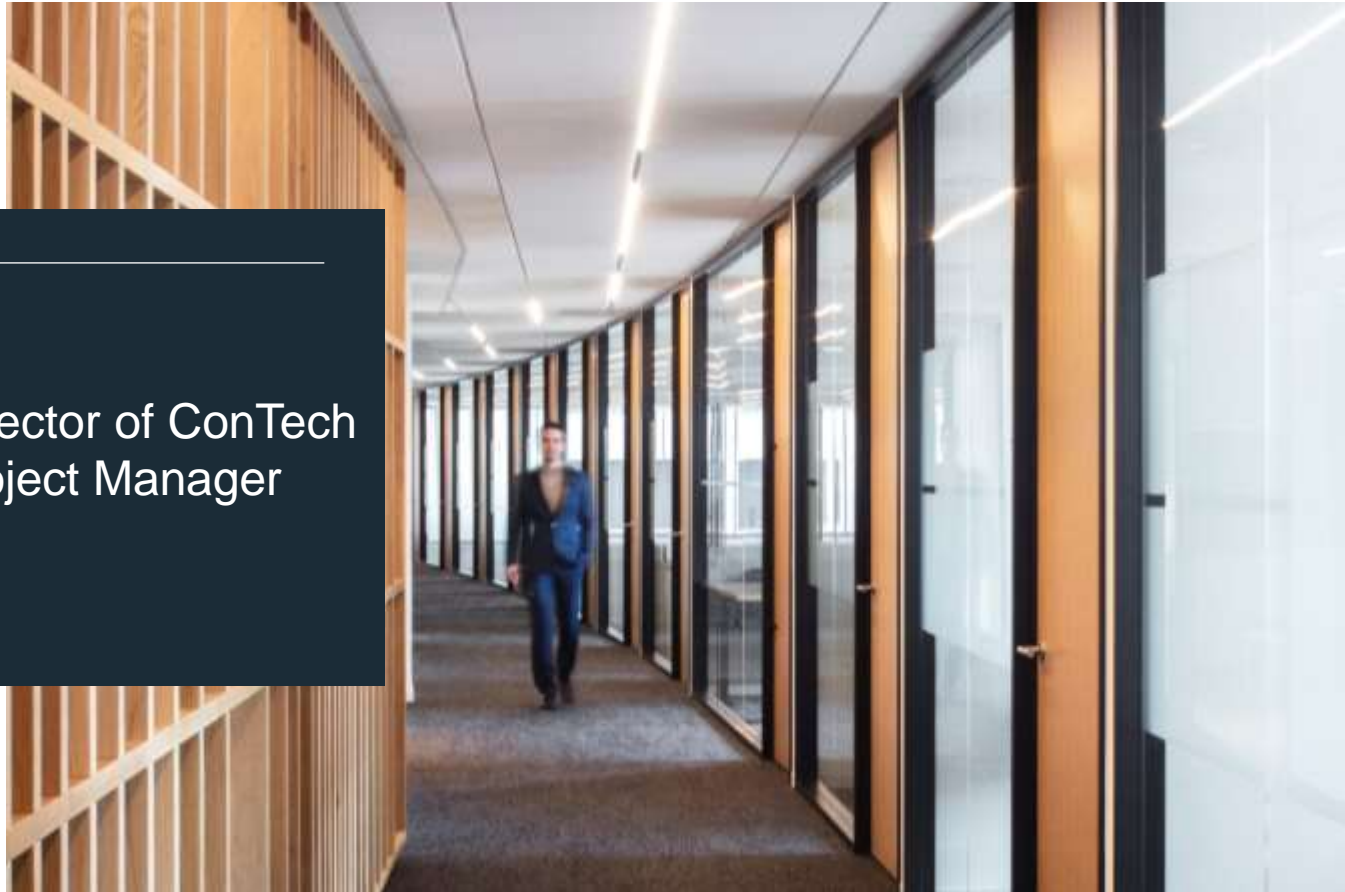
Show of hands who is in the room?

General Contractors
Trade subcontractors
Architects
Engineers
Other?



Who are we?

- Elizabeth Angel – Director of ConTech
- Brad Neudorfer – Project Manager





about us

local expertise...

HOWARD S. WRIGHT

- Northwest Division made up of offices in Seattle and Portland
- Founded in 1885 Seattle, 1992 Portland
- 223 salaried and 259 craft staff (Seattle + Portland)
- Self-perform craft labor
- Company-owned equipment rental yard and craft training center



...with a national reach

Balfour Beatty



Office Locations

Northwest

Seattle, WA
Portland, OR

California

Sacramento, CA
San Francisco, CA
Oakland, CA
Ventura, CA
San Bernardino, CA
Irvine, CA
Los Angeles, CA
San Diego, CA

Texas

Dallas, TX (HQ)
Austin, TX
Fort Worth, TX
Phoenix, AZ

Mid-Atlantic

Washington, D.C.

Southeast

Atlanta, GA
Charlotte, NC
Raleigh, NC
Fort Lauderdale, FL
Orlando, FL





With **140 years** in business,
Howard S. Wright offers **a rich
history as a quality builder,**
combined with the **geographic reach
and greater services** of our larger
parent company, Balfour Beatty.



Purpose of Technology in Construction:

Can we build without “technology”? - yes BUT

Tech was developed to help us build:

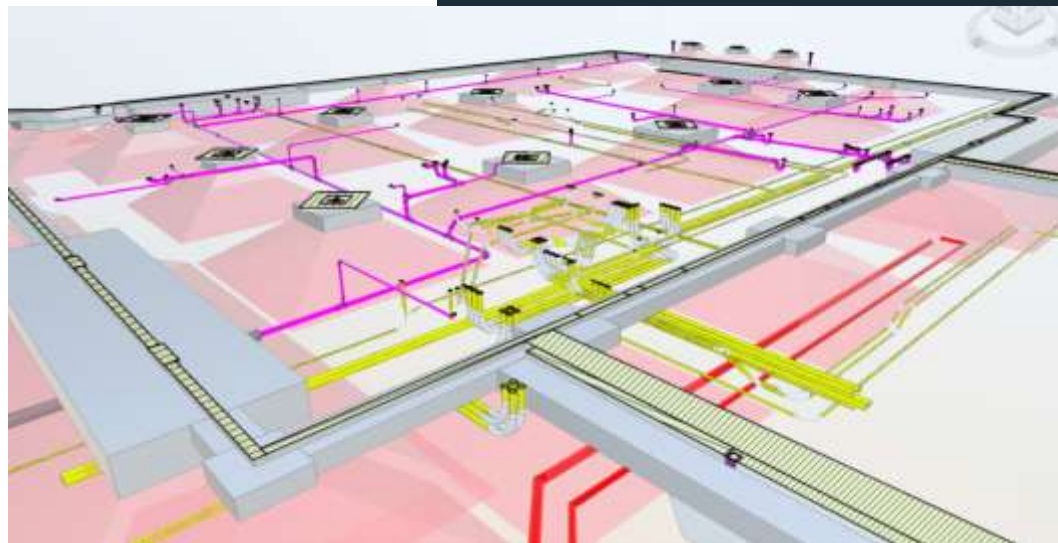
- Safer
- Faster
- Less wasteful
- More cost effective
- More collaborative



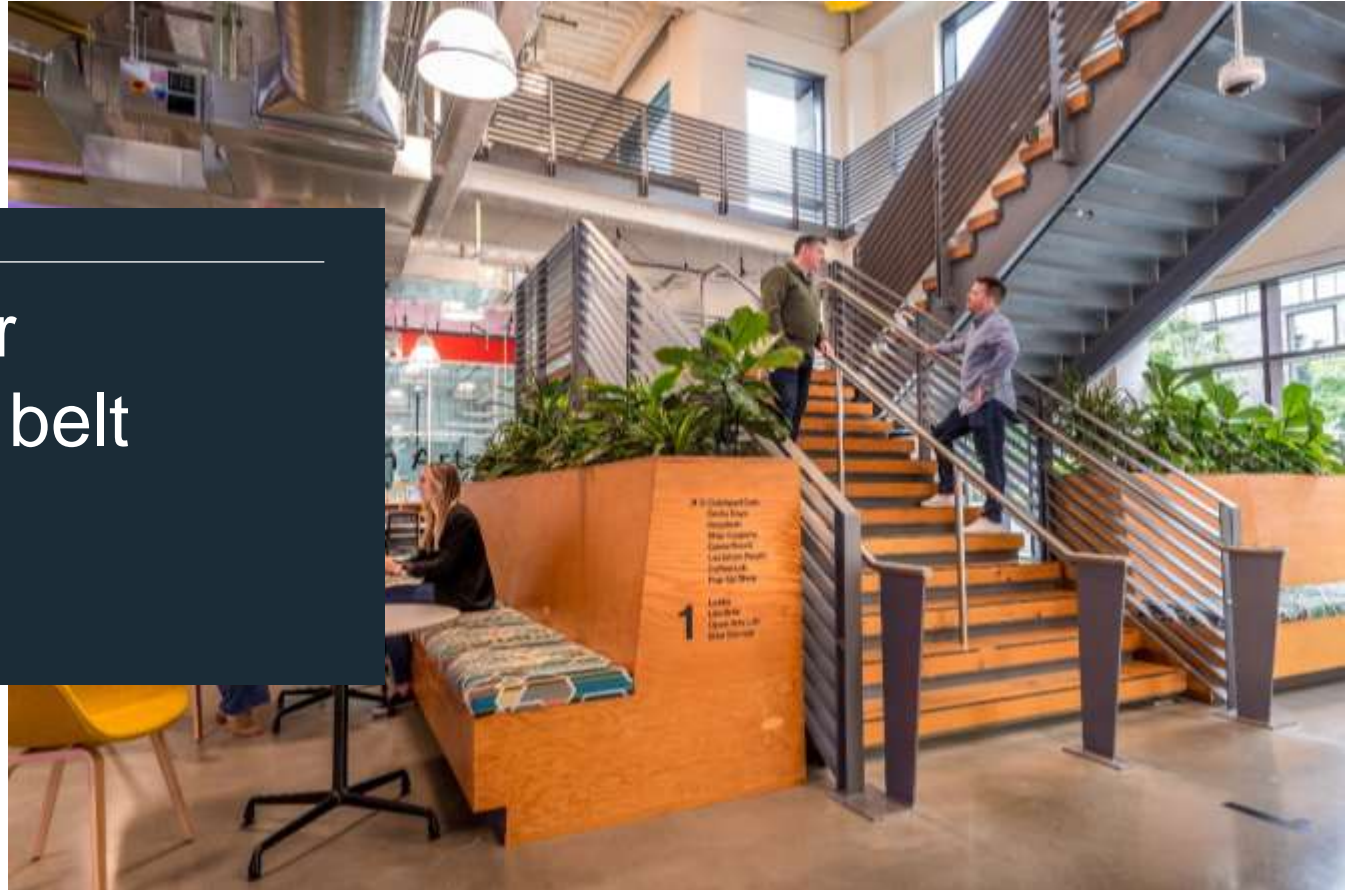
Today's Objectives:

- Share some technology tools in the market
- Share some “non-technology” tips
- Help you determine “what is right for my business?”
- Others?

Coordinated underground model
viewed in Autodesk Navisworks



Rightsizing your technology tool belt





Business Operations

Pursuit

Pre-
construction

Construction

Closeout

Business Operations

Accounting

- Quickbooks
- JDE Edwards
- Sage
- Freshbooks
- Wave
- Zoho Books

File storage/ Common Data Environment (CDE)

- Dropbox
- Box
- Egnyte
- Local Server

Project Management Systems

- Monday.com
- Procore
- Kahua
- CMiC
- Autodesk Build
- PlanGrid
- BuilderTrend



St. John's Healthcare Center - Yakima

May 20, 2015

St. John's Healthcare Center - Yakima

Pursuit

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Document Review

- Bluebeam
 - Overlays
 - Document comparison
 - Team collaboration



BIM (Building Information Modeling)

3D authoring/modeling, *viewing and clash detection software options

- Revit
- AutoCAD
- Navisworks*
- AutoSPRINK
- Tekla
- SketchUp



Pursuit

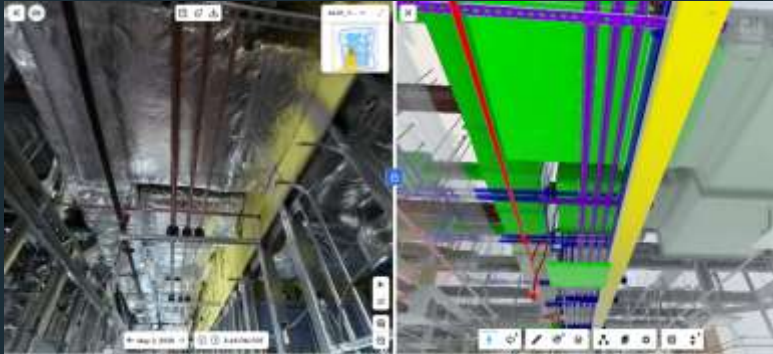
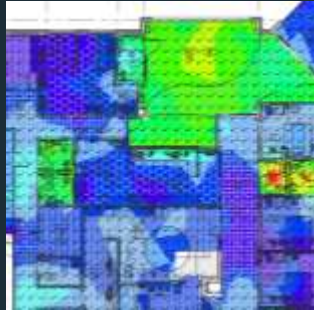
Pre-
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Closeout

Laser Scanning Uses

- Floor Flatness
- Existing Conditions
- Cut/Fill
- Model Comparison



Scheduling

- Excel
- Smartsheet
- MS Project
- P6

Site Logistics

- Bluebeam
- SketchUp
- cmBuilder





Owner Turnover Requirements

- Binders
- Thumb drive
- Folder Link to CDE?

As-built Creation

- Drawing markup
- DWG files
- Model

Attic Stock/Key turnover tracking

- Excel
- Project Management System

Resources

- IMAGINiT – Software Reseller and online classes
- Trimble SketchUp – There's a free version!
- YouTube or Google – “how to” videos
- 3D Modeling Services: Jake Cruz (BIMadept)
 - ▶ www.BIMadept.com

Questions?



Howard S. Wright
a **Balfour Beatty** company