



2022 Digital Construction Summer School

Increasing Efficiency in Quantity Takeoff Through Connected 2D and 3D Workflows

John Prior

Virtual Design & Construction Subject Matter Expert |
Autodesk Inc.

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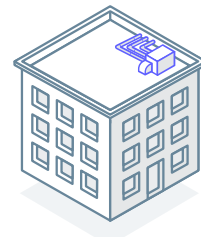
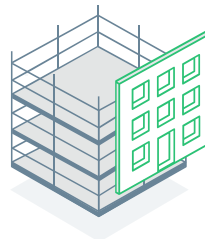
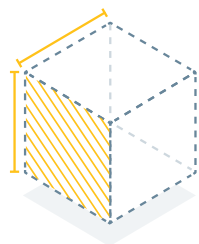
- BS in Physics from the University of San Diego
- Started working at Assemble Systems from 2017-2019 prior to Autodesk acquisition, started the Customer Success Department. Acquired by Autodesk in 2018.
- Worked at Merck KGaA, Darmstadt, Germany from 2019-2021, started the Customer Success Department for the Cheminformatics Division of Merck.

Presentation Agenda

- The Connected Construction Story
- Recent feature enhancements
- Walkthrough of Autodesk Takeoff
- Q&A



AUTODESK Construction Cloud



| | DESIGN | PLAN | BUILD | OPERATE |
|--------------|--|---|--|---|
| Capabilities | <ul style="list-style-type: none"> • Design Authoring • Design Collaboration | <ul style="list-style-type: none"> • Coordination • Model Conditioning • Quantification • Estimating • Bid Management • Qualification | <ul style="list-style-type: none"> • Project Management • Cost Management • Quality • Safety • Project Closeout | <ul style="list-style-type: none"> • Facilities Maintenance • Asset Lifecycle |
| Shared Data | Models · Drawings · Issues · Specifications · RFIs · Cost · Assets · As-Builts · Photos · Video | | | |
| Insight | Dashboards · Reports · Construction IQ · Data Connector | | | |
| Network | Builders Network | | | |

Autodesk Construction Cloud

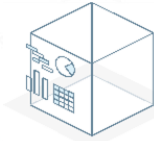
DESIGN

PLAN

BUILD



AUTODESK®
BIM COLLABORATE



AUTODESK®
TAKEOFF



AUTODESK®
BUILD

AUTODESK® DOCS

INSIGHTS

ADMINISTRATION



The benefits of cloud-based 2D & 3D Takeoff Solution



Single source of truth



**Increased
Collaboration**



Standardization



Digitization



**Connected 2D & 3D
Experience**



Feature Enhancements Delivered

- Takeoff Type Organization
- Multiple Inventory Export to Excel
- Quick measure: both in 2D and 3D
- Navigation improvements in Sheets & Models
- Additional color options
- Improvements in hiding takeoff type
- Improvements to cutout tool
- Keyboard shortcuts
- Sheets & Model navigation improvements
- **IFC Support**
- **Symbol Detection (Auto-count)**
- Sheet compare
- Resizable Takeoff Markers
- Ability to rotate and mirror takeoff
- **Project Templates**
- **Read only API**
- Model publishing improvements
- **Snapshots (ability to see historic takeoff data from previous versions)**
- Flexible outputs
- **Locations support**
- Additional API enhancements





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