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

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Autodesk Inc.

- 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
<table>
<thead>
<tr>
<th>Capabilities</th>
<th>DESIGN Capabilities</th>
<th>PLAN Capabilities</th>
<th>BUILD Capabilities</th>
<th>OPERATE Capabilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Design Authoring</td>
<td>• Coordination</td>
<td>• Project Management</td>
<td>• Facilities Maintenance</td>
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<td>• Design Collaboration</td>
<td>• Model Conditioning</td>
<td>• Cost Management</td>
<td>• Asset Lifecycle</td>
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<td>• Estimating</td>
<td>• Safety</td>
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<td>• Qualification</td>
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<tr>
<th>Shared Data</th>
<th>Models · Drawings · Issues · Specifications · RFIs · Cost · Assets · As-Builts · Photos · Video</th>
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<th>Insight</th>
<th>Dashboards · Reports · Construction IQ · Data Connector</th>
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| Network | Builders Network |
Autodesk Construction Cloud
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