

Autodesk Takeoff

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AUTODESK





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Zakaria Derras-Chouk Product Specialist Autodesk

- BS in Mechanical Engineering
- Worked as Electrical Engineer Designer for 2 years
- Worked as a BIM Consultant for Autodesk reseller
- Been at Autodesk for the past 2+ years



Agenda

- Introductions
- Autodesk Takeoff Overview
- Demo
- Q&A



Autodesk Construction Cloud



AUTODESK
BIM
COLLABORATE

AUTODESK TAKEOFF AUTODESK BUILD

Capabilities	Coordination	Quantification	Project Management	Cost Management	Quality Management	Safety Management	Turnover
Workflows	 Model Coordination Constructability Review Quality Planning Issue Management 	Scope Analysis2D/3D Take Off	Project SchedulesRFIsSubmittalsMeeting MinutesDaily ReportsProgress Tracking	 Contract Creation / Administration Change Orders Payment Applications Forecasting 	 Quality Planning Quality Checking Punchlists Issue/Task Management	Safety PlanningSafety TrainingSafetyObservationsSafety Inspections	 Commissioning Turnover Documentation Warranty Mgmt. Final Completion As-Built Survey
Document Mgmt	Document Control · Document Versioning · Document Approvals						
Unified Data	Models · Drawings · Documents · Cost Items · Assets · As-Builts · Photos · Videos						
Insights	Dashboards · Reports · Construction IQ · Data Connector						
Admin	Admin Console · Permissions · Project Setup · Templates · Notifications						



Challenges Facing Estimators Today



Time Consuming 2D Takeoff Process



Tight Schedules



Fierce Competition



Disconnected 2D & 3D Takeoff



Distributed Teams



Lack of Collaboration



What is Autodesk Takeoff?





Autodesk Takeoff allows estimators to perform more accurate 2D takeoffs and generate automated quantities from 3D models within a single takeoff solution.



Assemble vs. Autodesk Takeoff

Assemble

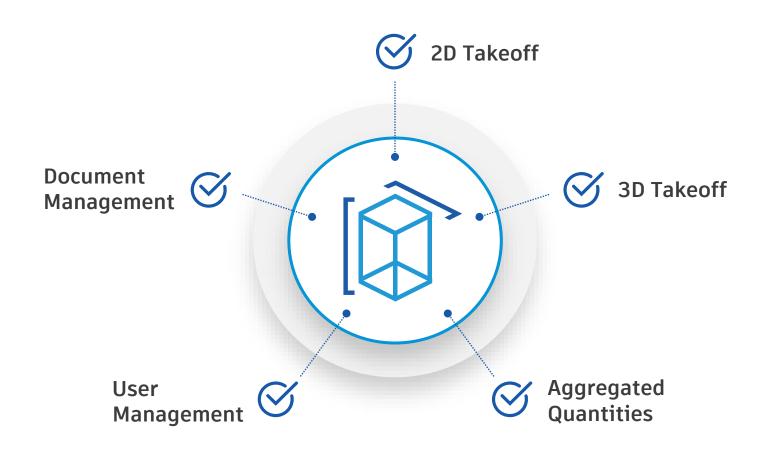
- Automatic 3D Takeoffs
- Change Management Workflows
- Earned Value Tracking

Autodesk Takeoff

- Automated 3D Takeoffs
- 2D Takeoffs
- Common Data Environment

Comprehensive Takeoff Solution

Deliver accurate takeoffs, faster.



Overcoming the Challenges



Increased Collaboration



Single Source of Truth



Connected 2D & 3D Experience



Improved Data Accuracy



Standardization



Digitization

Facilitating...







Connected Workflows



Connected Data



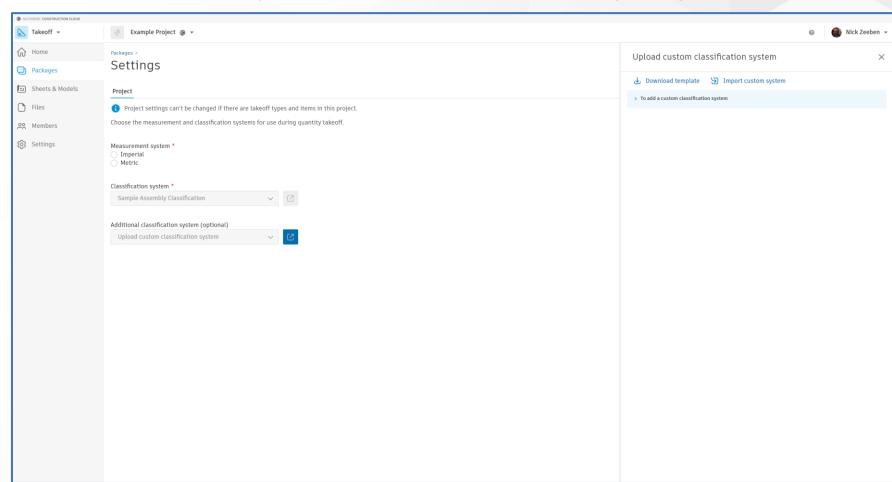
Administration

Choose your preferred measurement system

Use sample classification systems or import your own

Select multiple classification systems for assembly/material breakdowns

Set yourself up for success from the beginning





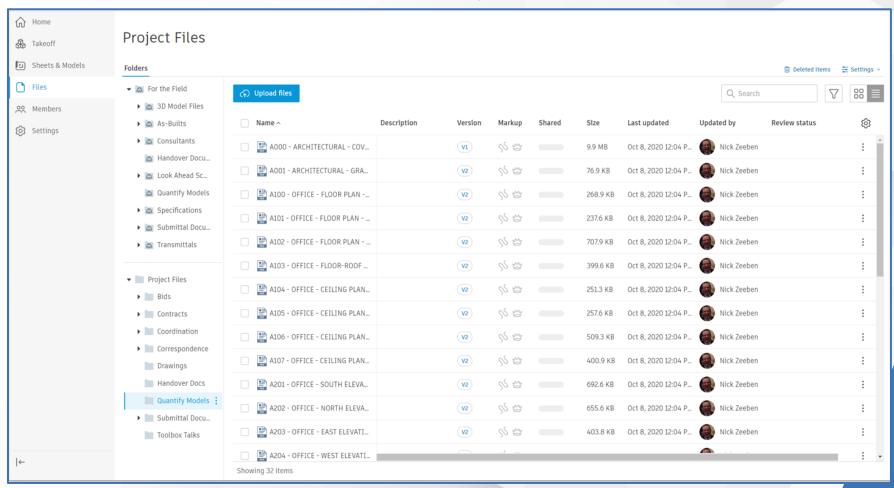
Document Management

Single Source of Truth – Be able to trust that you're always working with the latest data

Complete control on who can see what documents

Customized folder structure for your organization

Unified Platform for all your stakeholders





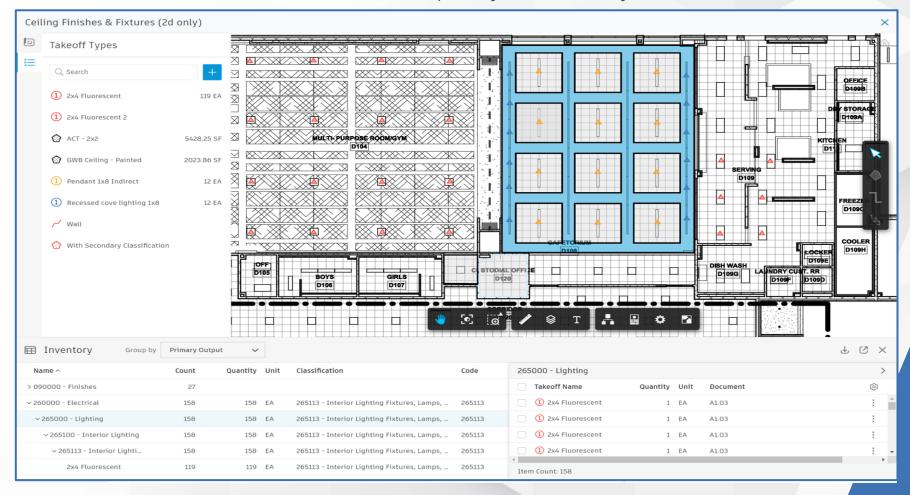
2D Takeoff

Complete flexibility with takeoff types, either Area, Linear or Counts with multiple quantity outputs

Efficiently transfer completed takeoffs from one version to another

Migrate your existing takeoff types across projects

Takeoffs done quickly & accurately





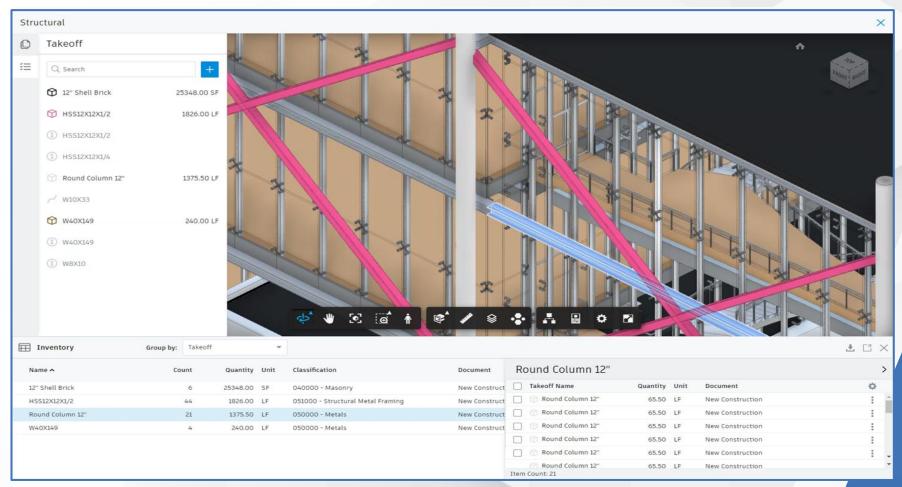
Model-Based Takeoffs for increased efficiency

3D Takeoff

Save time by leveraging BIM models to automate your takeoff process

Customize your takeoff types by using multiple classification systems or custom formulas for complex quantities

Visualize your project in 3D to better understand project intent





Aggregated 2D + 3D Quantities

Flexible rollup of line items by classification, type, document, or material

Simple takeoff type auditing allowing you to reclassify objects

Easy Excel export for connection to estimating solutions

Remove data silos with a combined 2D/3D Interface





Autodesk Takeoff Demo



Q&A



Make anything...