

# ERP Integrations for Autodesk Construction Cloud (CS500023)

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### Session Agenda

Review Autodesk Build - Cost Management:

Capabilities and Workflows

Introduction to hh2's Universal Construction Model:

Sage 300 CRE Integration

Autodesk Construction Cloud Connect:

- Common Integrations
- QuickBooks Online

Session Q&A

### **Autodesk Build – Cost Management**

#### Autodesk Build Capabilities & Workflows



Capabilities	Doc Management	Cost Management	Project Management	x = \ \x = \cdot \	Safety	Project Closeout
Workflows	<ul> <li>Document Control</li> <li>Document Versioning</li> <li>Document Approvals</li> </ul>	<ul> <li>Budget Creation / Administration</li> <li>Change Orders</li> <li>Payment Applications</li> <li>Forecasting</li> </ul>	<ul><li> RFIs</li><li> Submittals</li><li> Meeting Minutes</li><li> Daily Reports</li></ul>	<ul><li>Quality Planning</li><li>QA/QC</li><li>Punchlists</li><li>Issue Management</li></ul>	<ul><li>Safety Planning</li><li>Safety Training</li><li>Safety</li><li>Observations</li><li>Safety Inspections</li></ul>	<ul> <li>Commissioning</li> <li>Turnover         Documentation     </li> <li>Warranty Mgmt.</li> <li>Final         Completion     </li> <li>As-Built Survey</li> </ul>
Unified Data	Models · Drawings · Documents · Cost Items · Assets · Photos · Videos					
Insight	Dashboards · Reports · Data Connector · Construction IQ					
Admin	Project Setup · User Management · Admin Console					



## Cost Management with Autodesk Build:

- ✓ Better cost control
- Streamlined cost workflows & enhance collaboration
- Improved forecast accuracy
- Real-time visibility of cost-related risk and the project's financial health







### Flexible Budget Structures

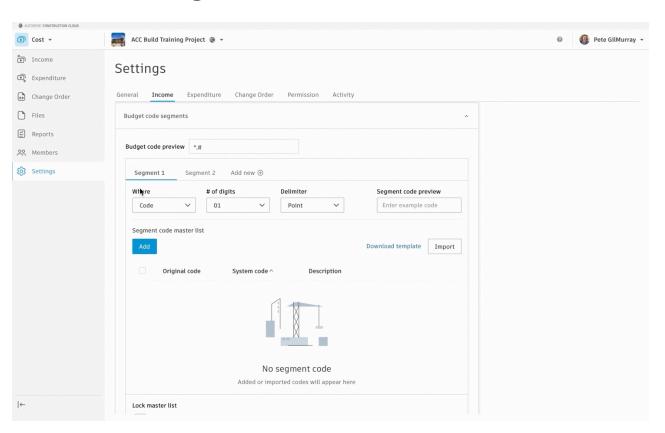
Manage your budget in a system that supports custom budget structures.

Detailed hierarchical build ups

Custom segment options

Segment code sample and budget code preview to ensure accuracy

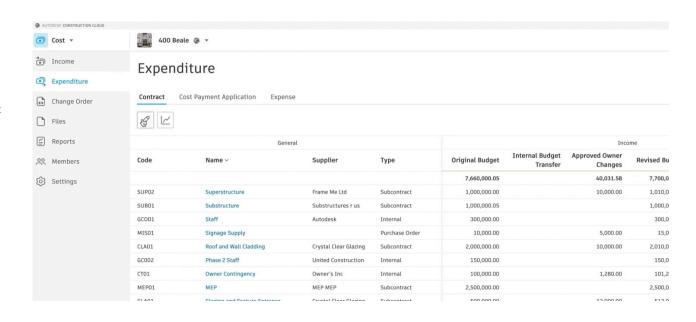
Master list import



#### **Contracts & Contract Generation**

## Get contracts out the door faster and streamline the management process.

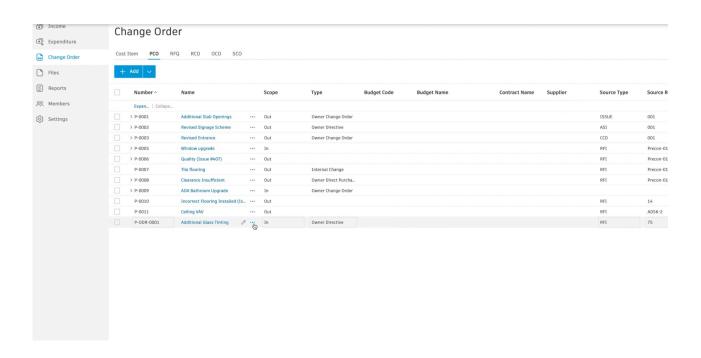
- Leverage custom document templates to create standard contract formats. Data auto-populates during contract generation
- Automatically compile appendices from multiple locations into a single package
- Connect supplier contracts to the main contract
- Link multiple contracts to a single budget line item or multiple budget line items to a single contract
- Utilize custom approval workflows for internal reviews
- Email contracts directly from Autodesk Build



### **Change Order Workflows**

#### Create clear accountability and seamlessly manage all aspects of the change order process.

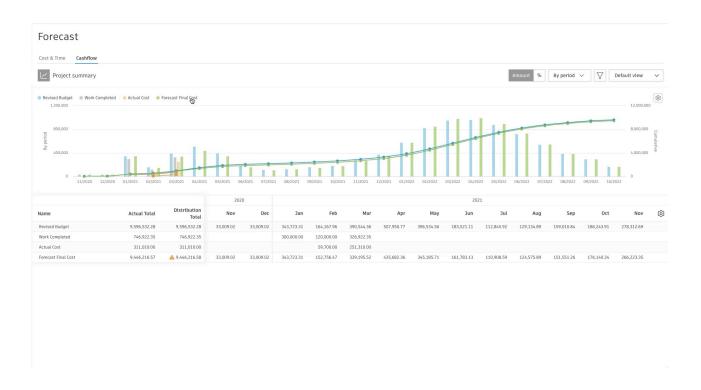
- Fluid upstream and downstream change order workflows
- Auto-generate documents needed during the change order process
- Immediately view the impact of changes on the overall project budget
- Ability to send batch quotation requests and reminders



### **Cash Flow Forecasting**

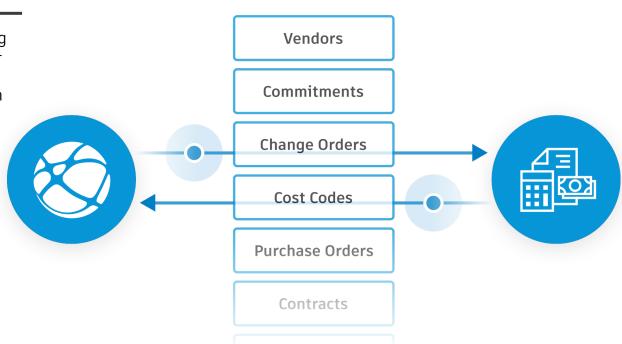
#### Access a project-level cash flow analysis with a dynamic time-versus-money cart for better visualization.

- Connect schedule tasks to budget line items to quickly determine duration and enable calculations for annual price increases.
- Easily perform forecast distributions for each budget line items using builtin forecast distribution curves.
- Access a project-level cash flow analysis to visualize the differences between planned and forecast results.

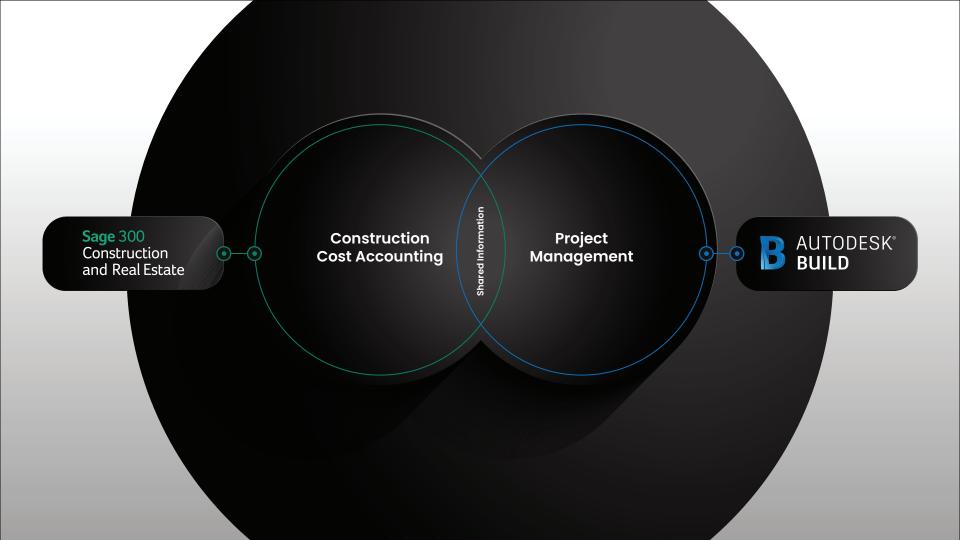


# ERP & Accounting Integrations

Seamlessly integrate your accounting data from your ERP system with your cost data in Autodesk Build, keeping your project and accounting teams in sync and your financial information completely up to date.



# Universal Construction Model Cost Management + Sage 300 CRE





Sage 300
Construction
and Real Estate

.

Construction Enterprise Accounting

**On Premise** 

hh2 Integration Client



In the Cloud

Integration Platform







In the Cloud

Project Cost Management

#### Sage 300 Construction

and Real Estate



Customers

Jobs

Standard Cost Codes

Standard Categories

Job Cost Codes Categories

Commitments

Commitment Change Order



Companies (Designated as Vendors)

Companies (Designated as Customers)

Projects

Budget Group List (Standard Cost Codes)

Budget Group List (Standard Categories)

Budgets

Subcontracts & Purchase Orders

> Commitment Change Order

## Demonstration

# Pending Features



## Autodesk Construction Cloud Connect

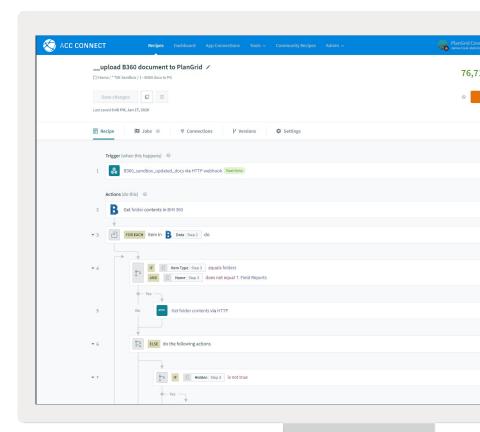


### Integrate Autodesk Construction Cloud with critical software systems

- Cloud Storage
- PM/ERPs
- CRMs
- eSignature
- Each Other
- and more

#### Create custom workflows between systems

- Route files and data per YOUR processes
- Leverage triggers between systems
- Keep different applications up to date



#### **Connect to the Unified Platform**

# AUTODESK® **BUILD**

Integrate with Files, Forms, Assets, RFIs, and Photos.

# AUTODESK® **DOCS**

Integrate with Files.

# AUTODESK® COST

Integrate Budgets, Expenses, and Change Orders with accounting and payroll applications.

# AUTODESK® **TAKEOFF**

Export takeoff packages and quantities from your sheets and models.

#### **Common Integrations with ACC Connect**



Document Management















Project Management, Reporting, & Analytics

















Communication & Collaboration













### **Integrate with Cost Management**

AUTODESK® COST



- Budgets
- Expenses
- Pay apps
- Change orders









### Example: Streamlined Cost Management

Combining two deal enabling workflows

Expense is captured and approved within Autodesk Cost.

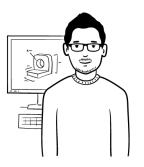
2. Bill is automatically created in accounting system awaiting payment.

3. Expense is automatically set to paid with payment amount





Approved expense is detected and pushed to accounting system.





Paid bills are detected and updates Autodesk Cost.



AUTODESK® COST

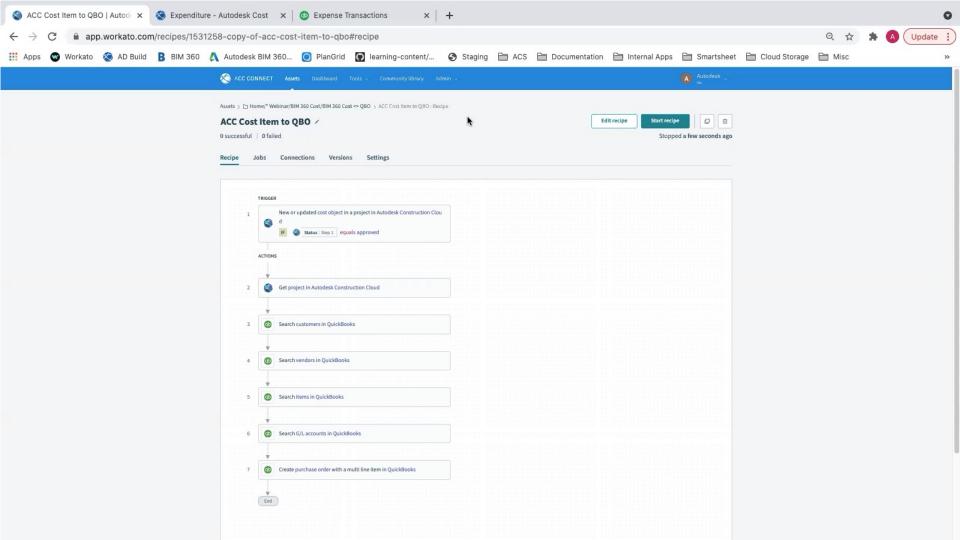






AUTODESK® COST

# Demo: Push Cost expense to QBO



# AUTODESK UNIVERSITY