Contact autodesk@diatec.co.uk + contact@diatec.ie

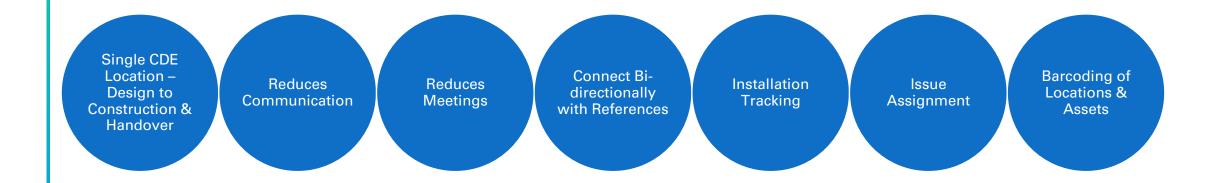
AUTODESK CONSTRUCTION CLOUD CAN SUPPORT LEAN ON YOUR CONSTRUCTION PROJECTS

odiatec

Jonathan Reinhardt

MCIAT, MSc. BIM, BSc. Arch. Tech (Hons)

How ACC supports LEAN?





AUTODESK Construction Cloud



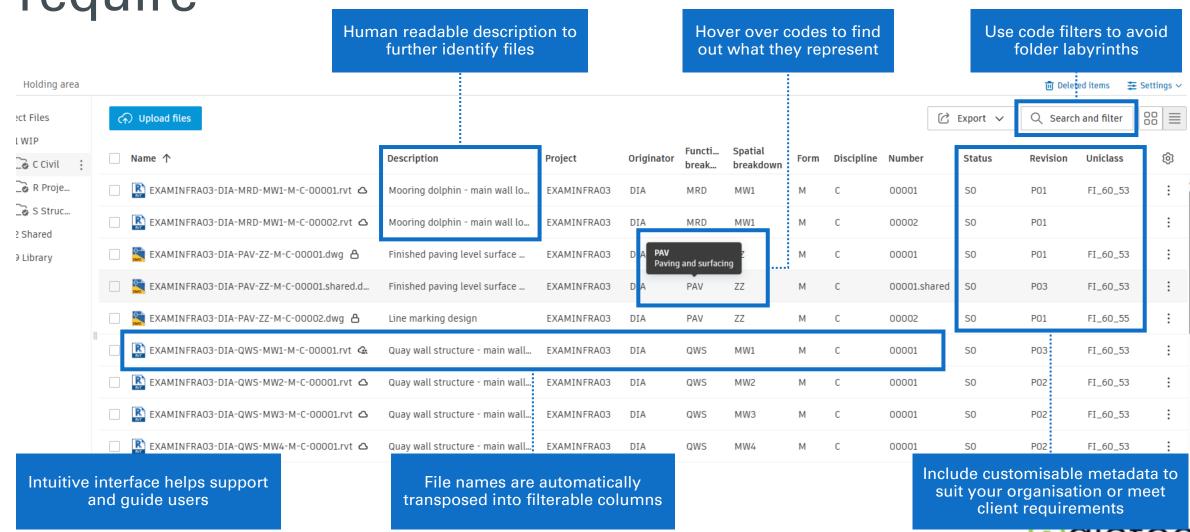
GROUP

AUTODESK Construction Cloud

	AUTODESK BIM COLLABORATE / BIM COLLABORATE PRO*		AUTODESK TAKEOFF	AUTODESK BUILD					
Capabilities	Design Collaboration	Coordination	Quantification	Project Management	Cost Management	Quality	Safety	Project Closeout	
Workflows	Constructability Review Change Visualization Collaboration for Civil 3D / Revit / Plant 3D Issue Management	 Model Coordination Clash Detection Constructability Review Issue Management 	Scope Analysis 2D/3D Takeoff	RFIsSubmittalsMeeting MinutesDaily ReportsPhotosScheduling	 Contract Creation / Administration Change Orders Payment Applications Forecasting 	Quality Planning Quality Checking Punchlists Issue Management	Safety PlanningSafety TrainingSafety ObservationsSafety Inspections	 Commissioning Handover Documentation Final Completion As-Built Survey 	
	AUTODESK DOCS Document Management Document Control · Document Versioning · Document Approvals · Issues · Compare								
Unified Data	Models · Drawings · Documents · Cost Items · Assets · As-Builts · Photos · Videos								
Insight		Dashboards · Reports · Construction IQ · Data Connector							
Admin		Admin Console · Permissions · Project Setup · Templates · Notifications							

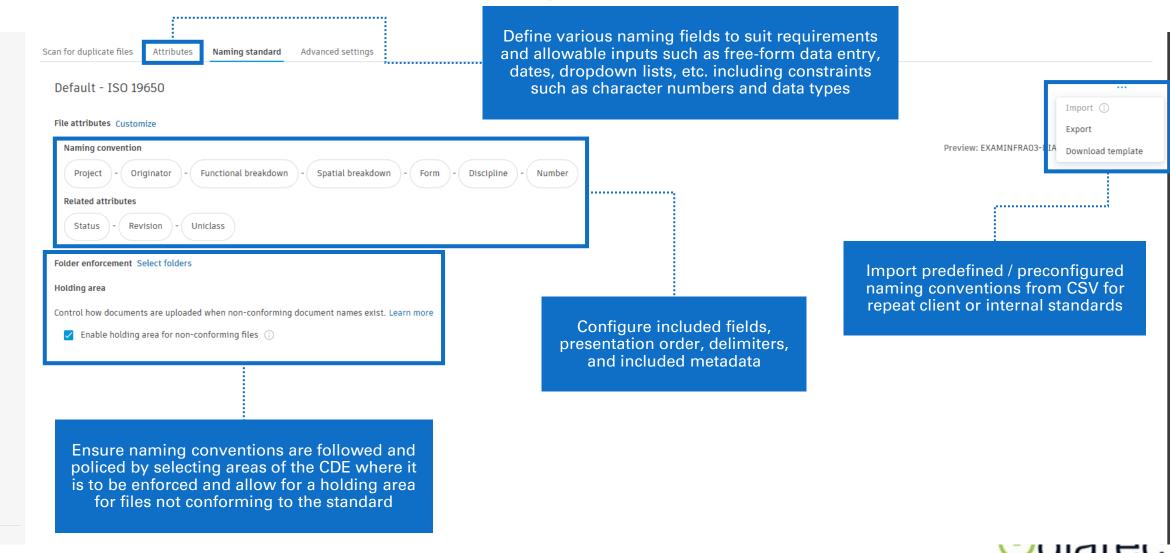
ENABLING FILE NAMING CONVENTIONS

Interrogate and attach all the data you require



GROUP

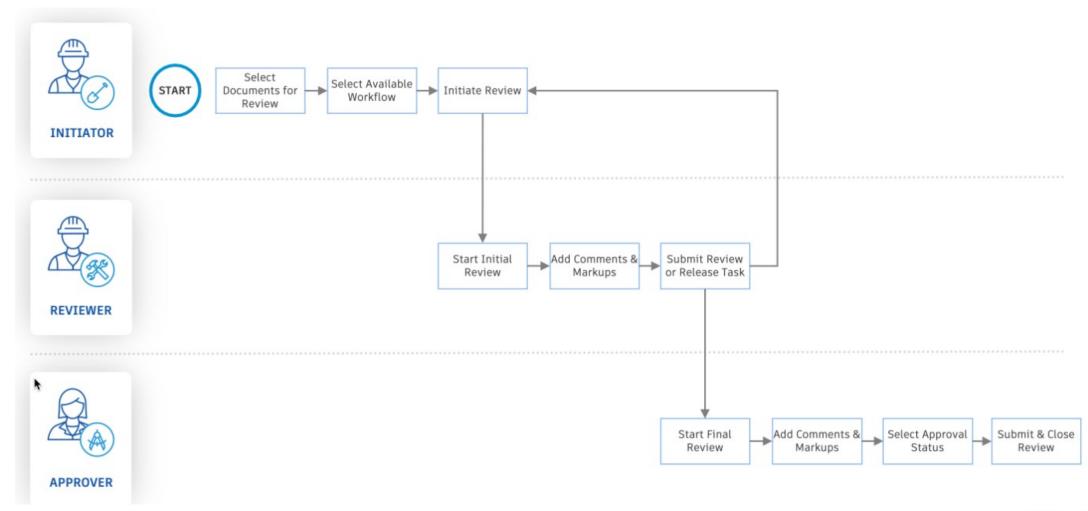
Customised to suit requirements



GROUP

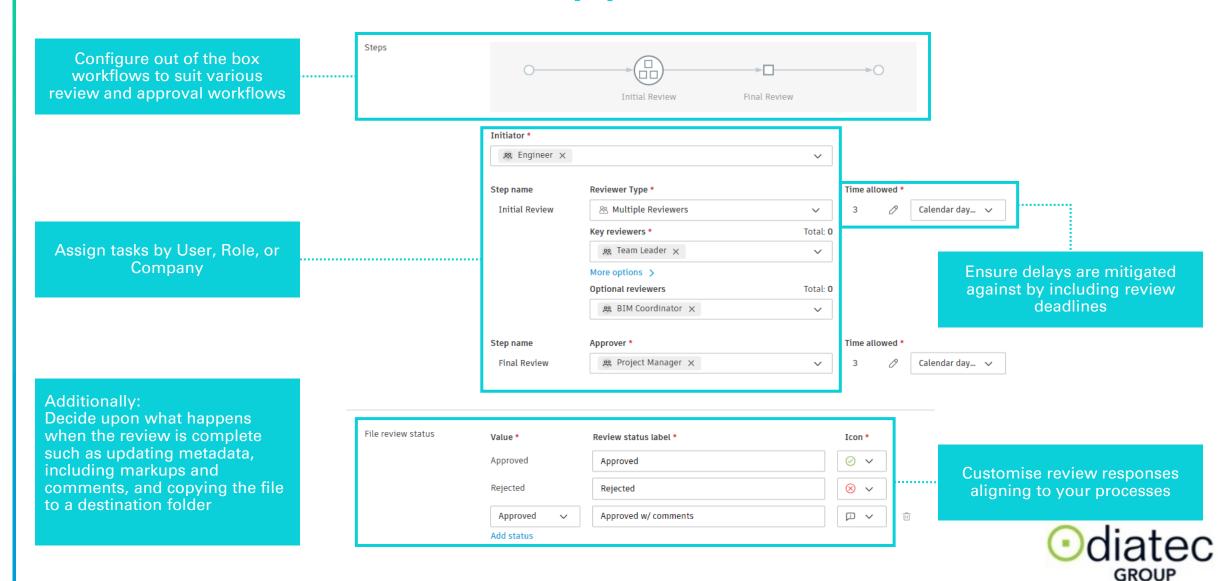
SUPPORTING QUALITY MANAGEMENT SYSTEMS (QMS)

Document Approval Workflow (Reviews)

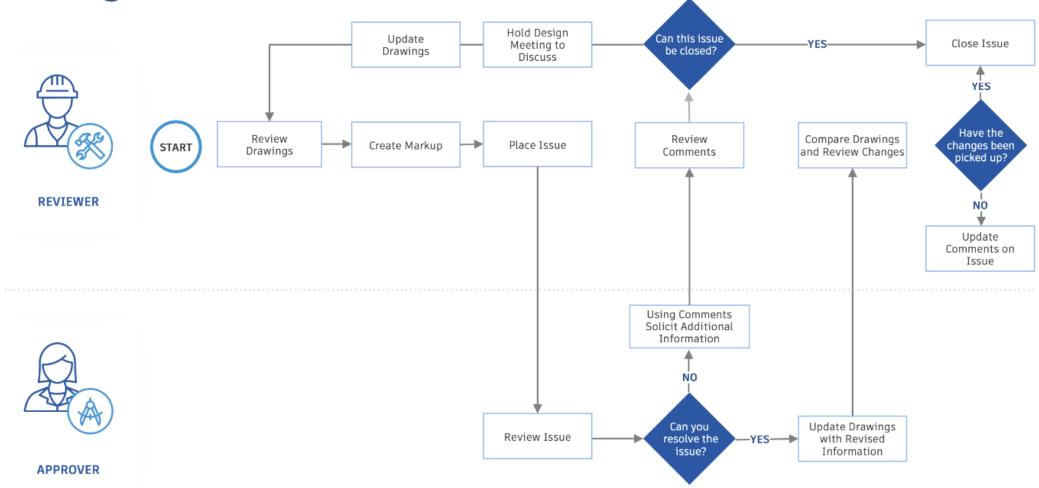




Custom review and approval workflows

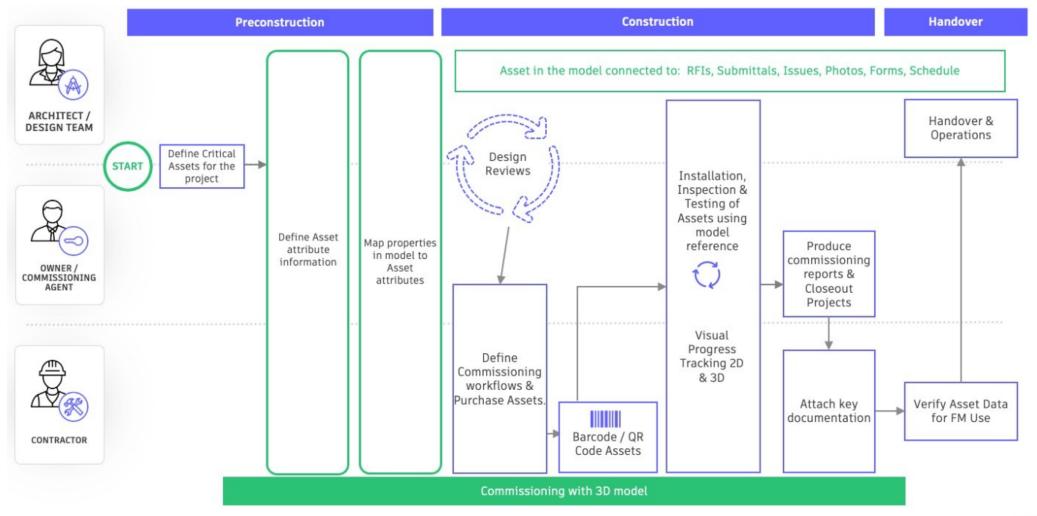


Design Review Workflow





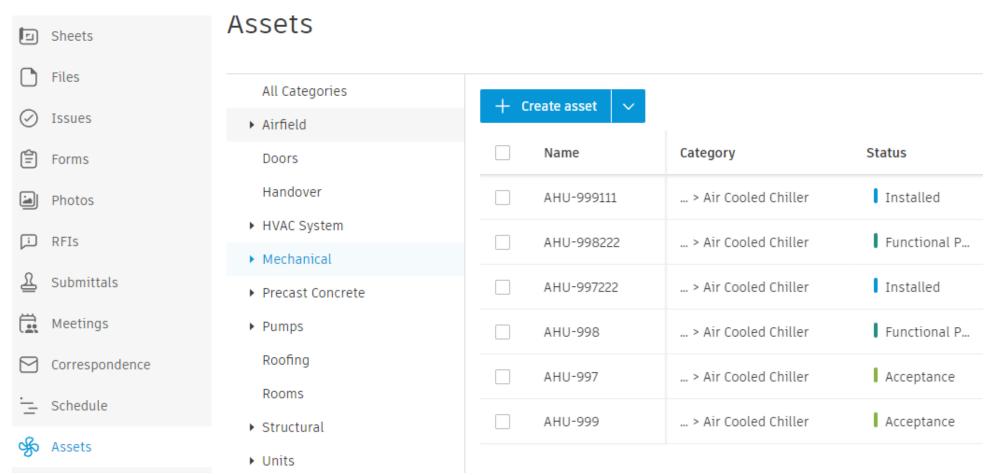
Asset & Equipment Tracking Workflow





Assets Tracking

Track object installation & link barcodes





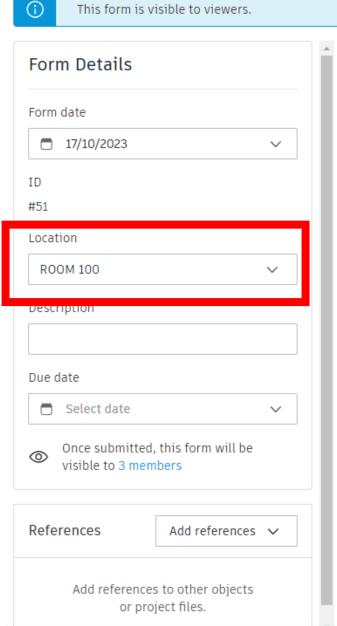


Locations



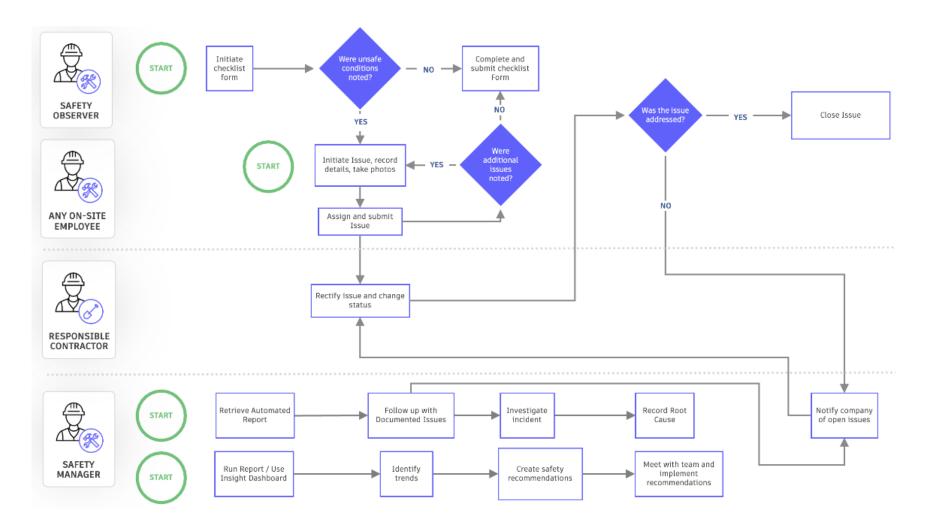
Forms > 00 - JR Samples

01.JR_DUCT-singl-cont-no reviewer



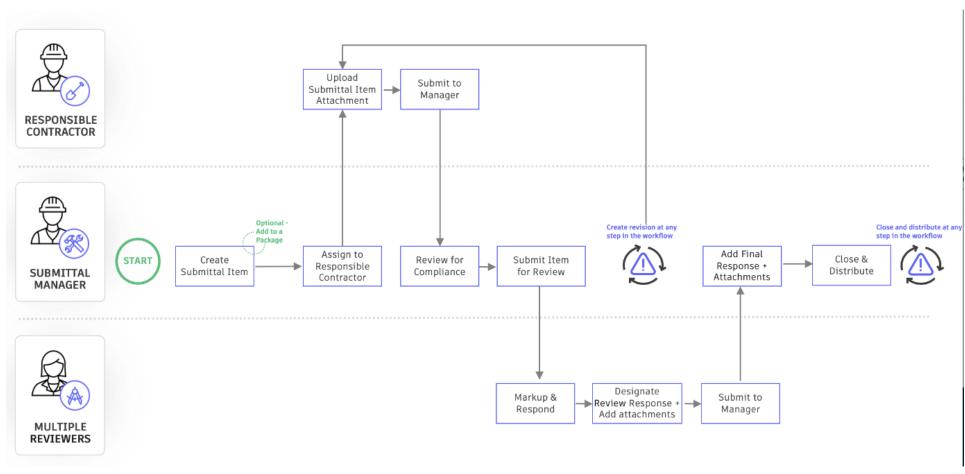
□ 1.	Ductwork						
1.1	Confirm all materials are in compliance with specification						
	Yes		No	○ NA			
	□ Photos	⊘ Issues	Note				
1.2	Confirm flange clamps are installed as required						
	Yes		○ NA				
	□ Photos	⊘ Issues					
	Signature *						
	+ Add signature						
	© Note						

Safety - Suggested Workflow



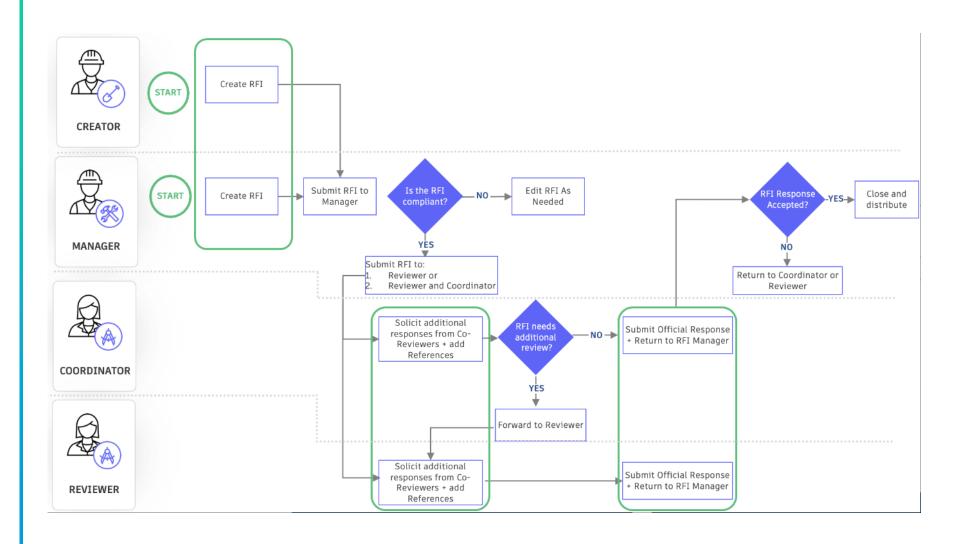


Technical Submittals



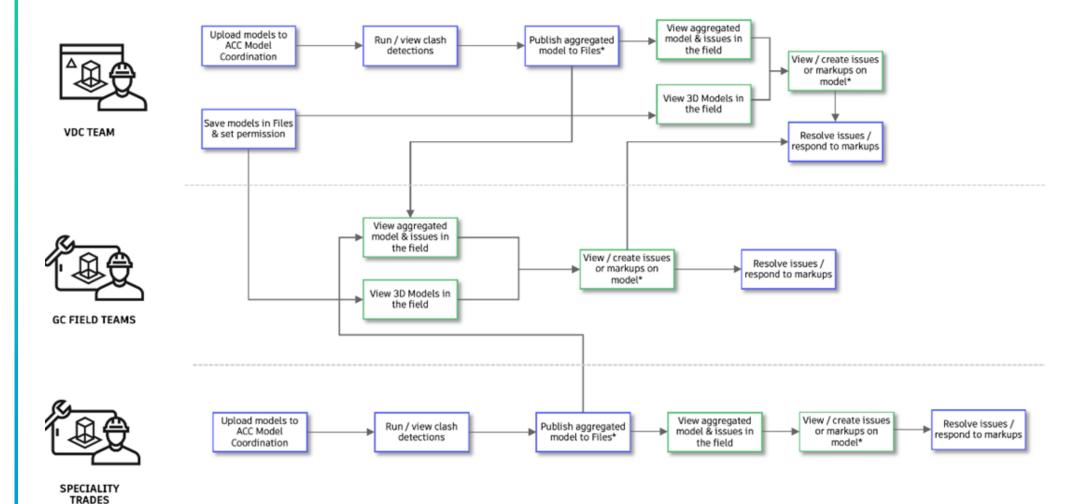


RFI Workflow



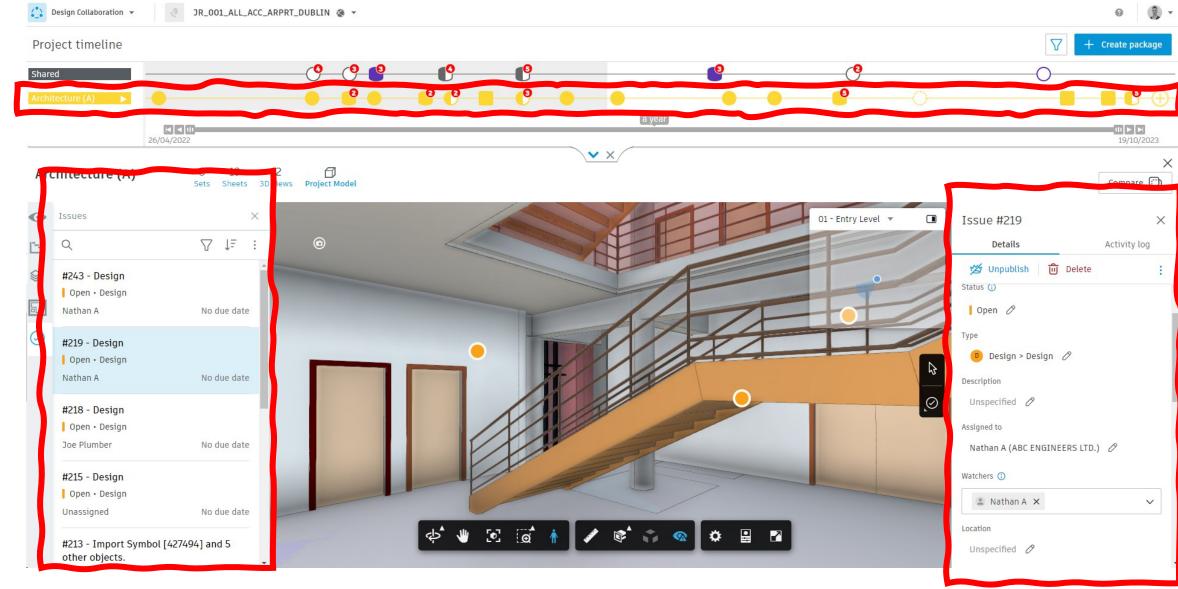


3D BIM Model - Site Use Workflow

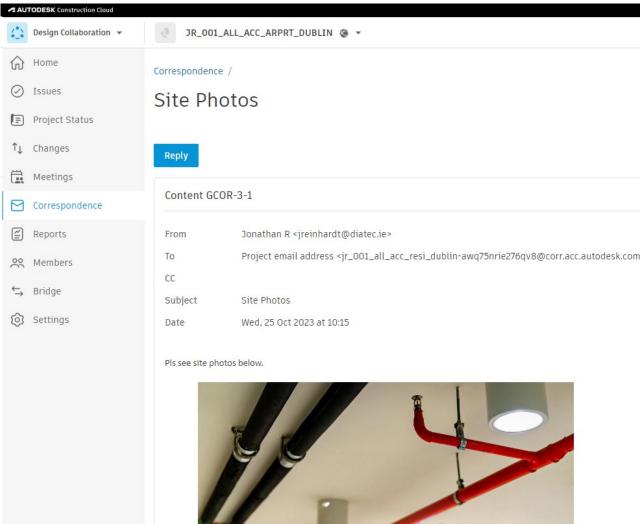


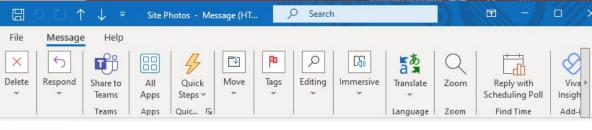


Issues



Email Correspondence





Site Photos



Pls see site photos below.



① File C:/Users/jreinhardt/Downloads/Issue%20detail-202310161346%20(1).pdf Dashboards / Reporting Issue detail-202310161346 (1).pdf 8 / 36 | - 100% + | Issue detail Insight • #224: Design JR_001_ALL_ACC_ARPRT_DUBLIN இ ▼ ⊙diatec DASHBOARDS 😷 GROUP AUTODESK Design My Dashboard Design Open Status Design Issues Status Project Controls Type Design > Design ✓ Quality In review Open Pending Safety HB BI Session Project Design Issues ▼ Mech Ppl Ltd. ID Title 21 Client Feedback **Building Code** 27 29 Design Standard fields Client Feedback Description Jonathan R (Best Builders (Main Con.)) Assigned to Jonathan R (Best Builders (Main Con.)) Created by Design Issue Trend Created on 8 Aug 2023 Location Location details * Executive Overview Due date Start date **Placement** DUB01-DTC-00-ZZ-DR-A-066.pdf JUNE JULY AUGUST SEPTEMBER Root cause

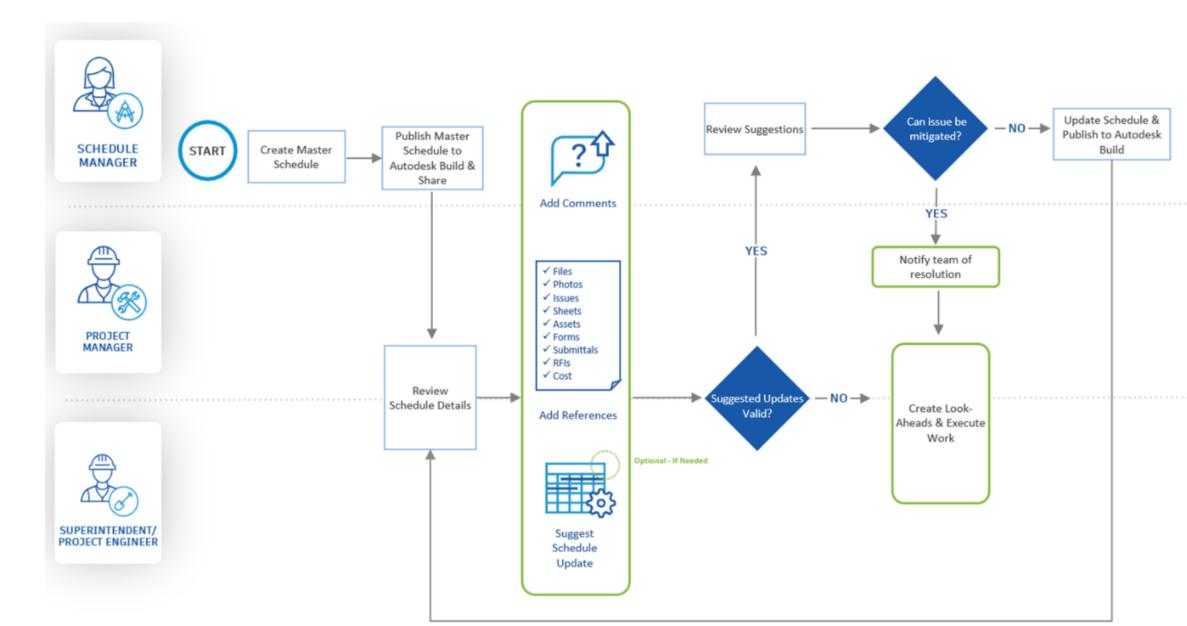
Custom Reporting

Link in custom dashboards in Power Bl



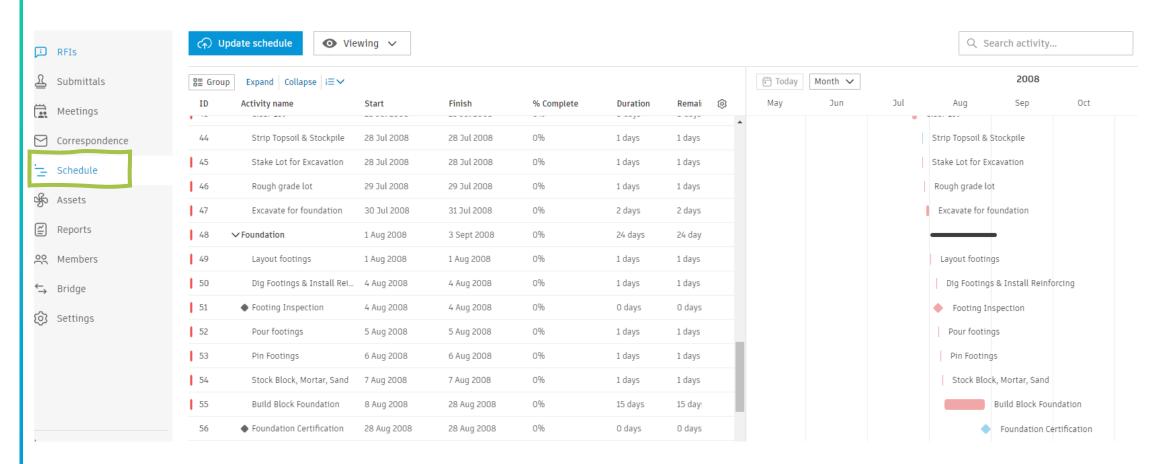


Schedule Management



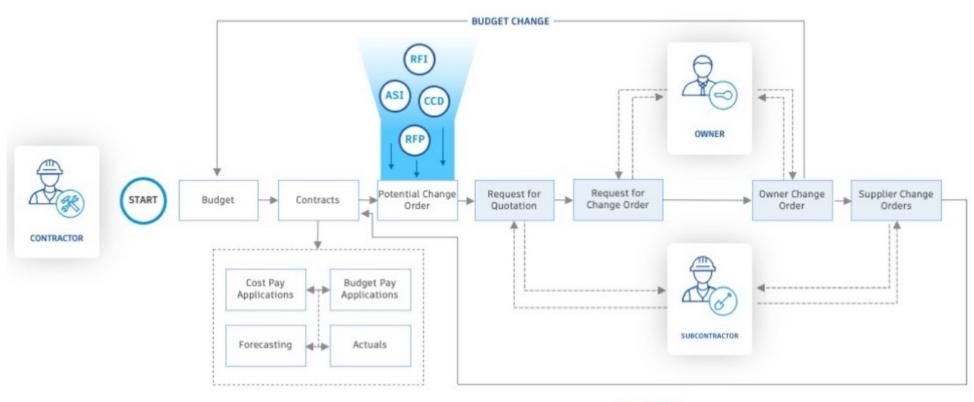
Construction Schedule

Upload MS Project, Asta or P6 files into Build > Schedule





Budget Control & Change Order Workflow

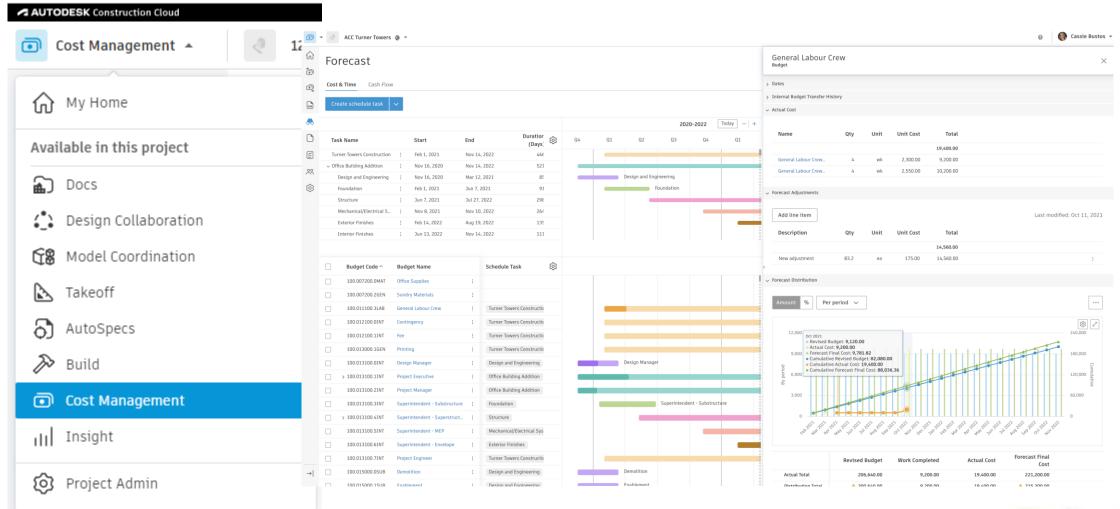


COST CHANGE



Manage Project Variations, Request Quotes & Forecast Budget Impact

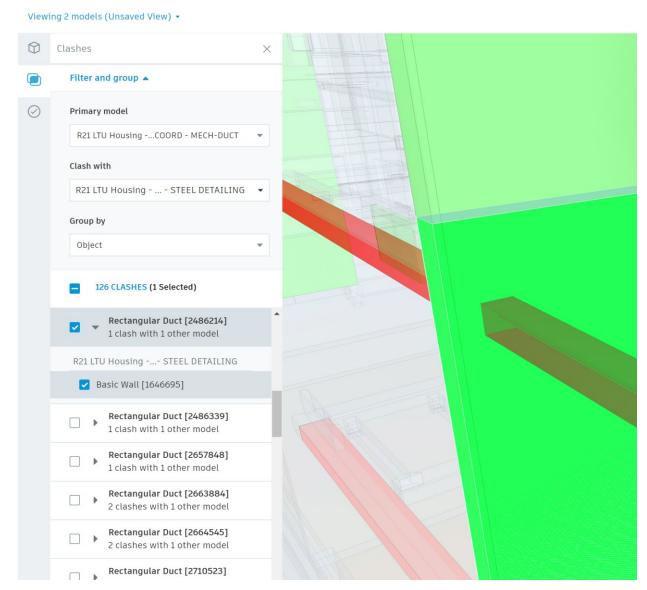
Cost Management

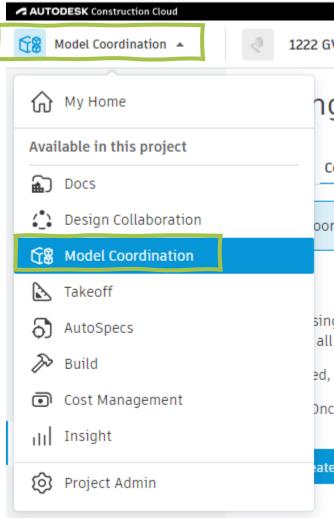




Model Coordination

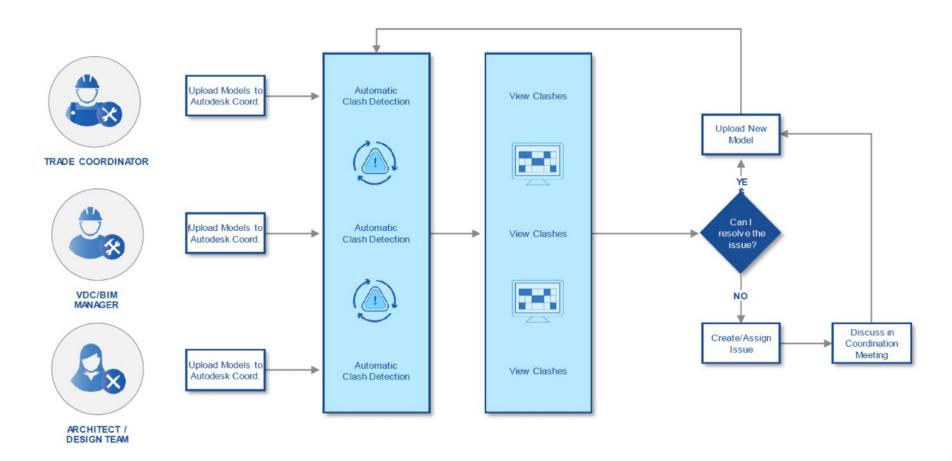
- Automatically detect clashes when models are published/updat ed
- Group clashes by object
- Create and assign coordination issues





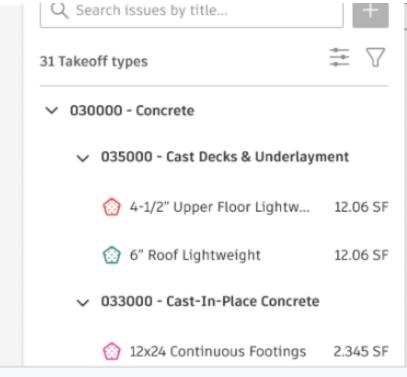


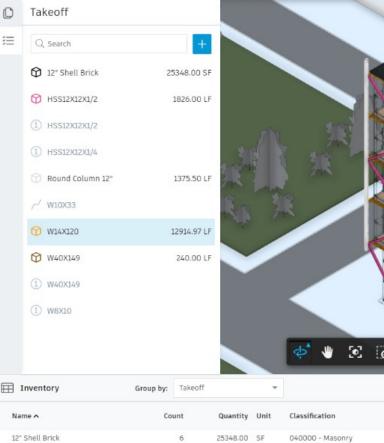
Workflow to coordinate 3D BIM models











1826.00 LF

1375.50 LF

240.00 LF

051000 - Structural Metal Framing

051000 - Structural Metal Framing

050000 - Metals

050000 - Metals

HSS12X12X1/2

W14X120

W40X149

Round Column 12"

丽	Inventory Snapshot: CD 100%	
_		

Quantity	Unit	Classification
-	-	-
12.06	SF	035000 Cast Decks & Underlayment
2,345	SF	033000 Cast-in-Place Concrete
	12.06	 12.06 SF

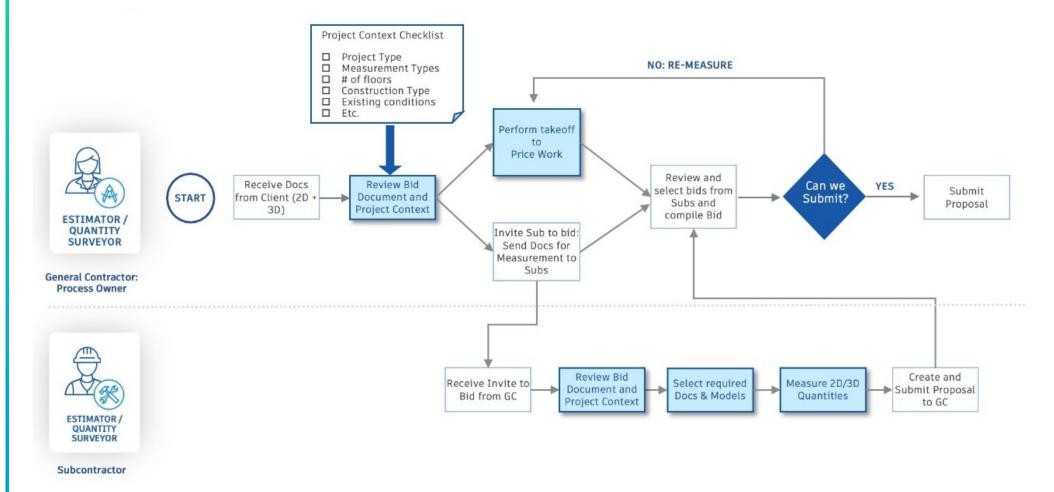


Round Colu

Round Colu

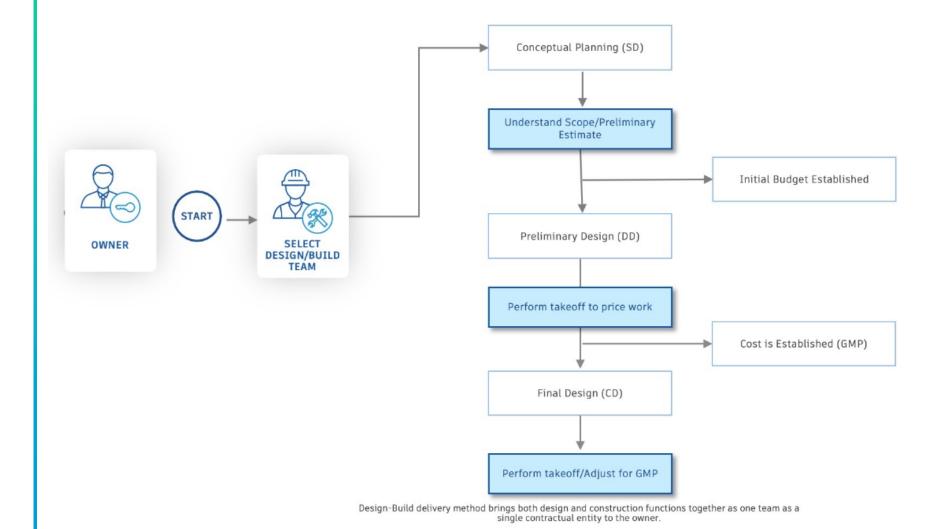
Round Colu

Design Bid Build Workflow





Design Build Workflow







THANK YOU.

- Contact
- autodesk@diatec.co.uk
- contact@diatec.ie