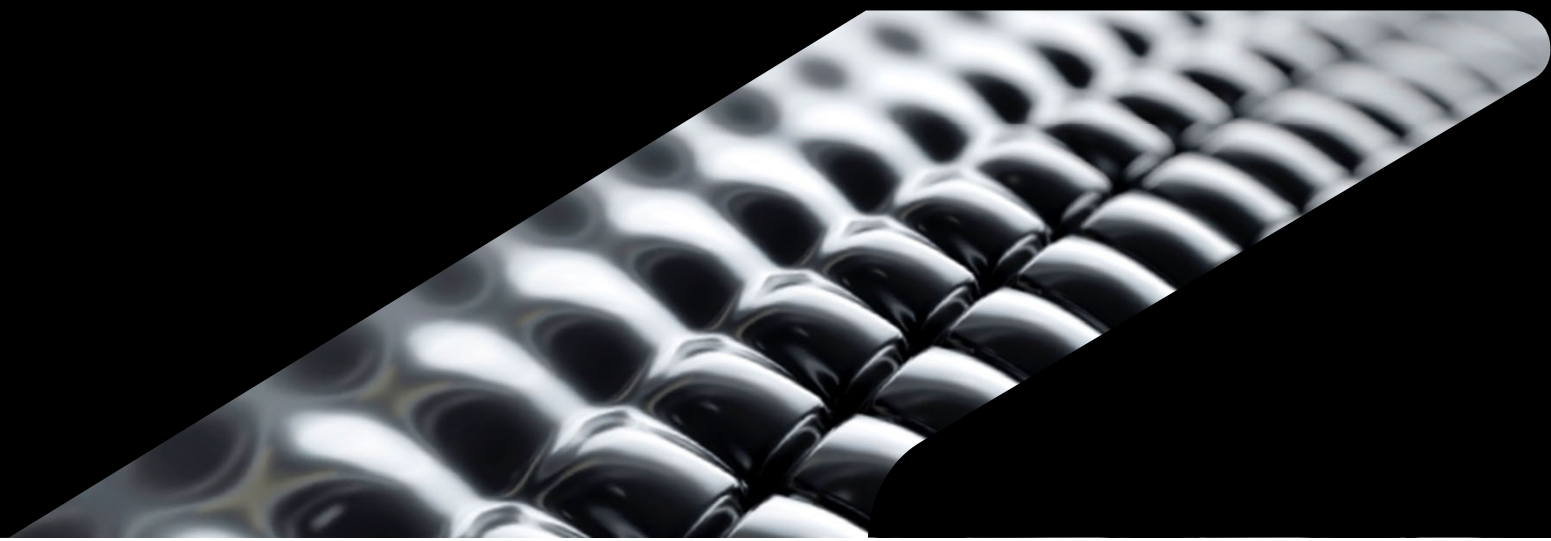




Getting Started with Autodesk Construction Cloud

CS501002

Gareth Spencer
BIM Consultant | @TheDarkAsset



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Key Learning Objectives

- Learn what the Autodesk Construction Cloud is.
- Learn how to get started out with Autodesk Construction Cloud.
- What you need to use the Autodesk Construction Cloud.
- Discover simple setup requirements and best practices you can use today.

Presenter



ACE Technical Consultant

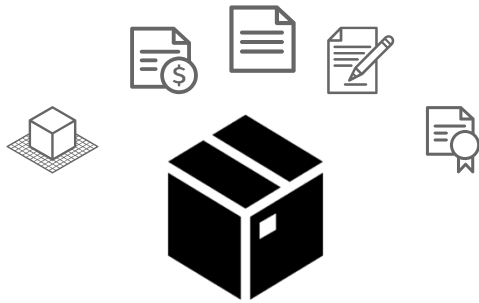
Gareth Spencer

Certified Autodesk Trainer
3+ Years Man and Machine
26+ Years Autodesk Software

Autodesk Construction Cloud Elite Specialist
BIM Consultant & Trainer

Cyclist
Karate

What is Autodesk Construction Cloud?

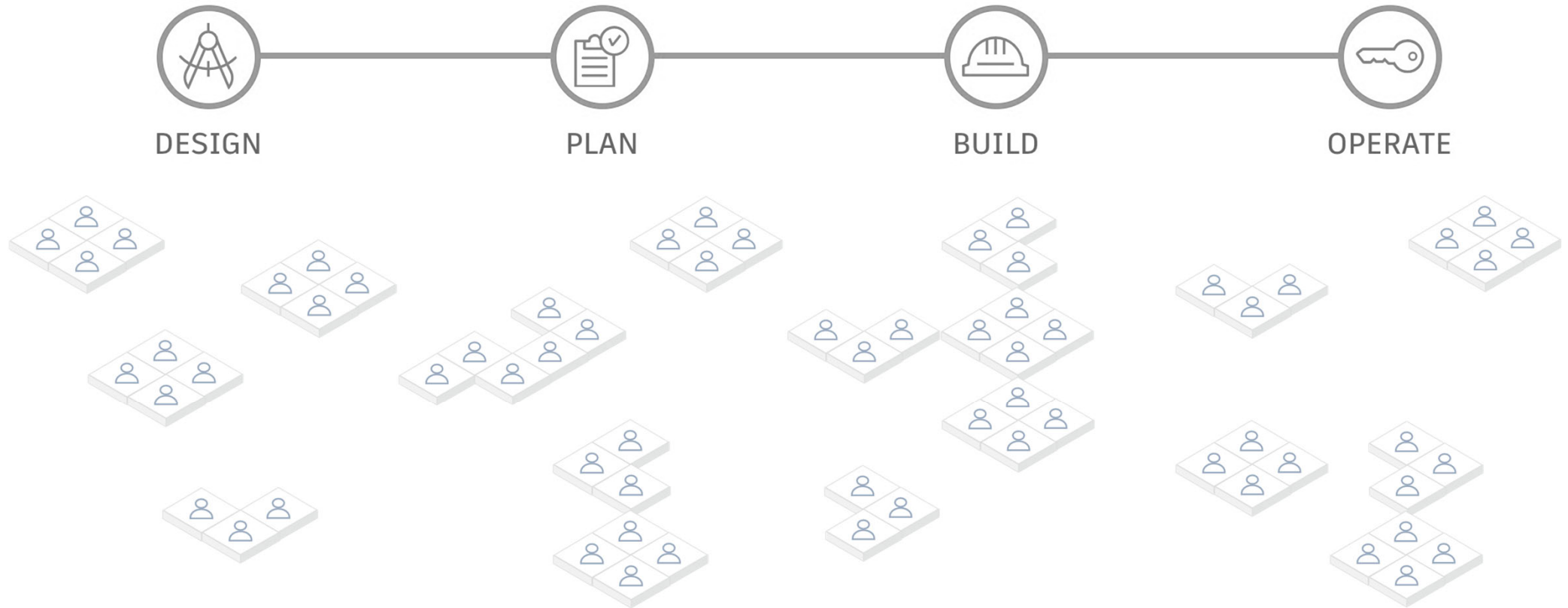


**Common Data
Environment**

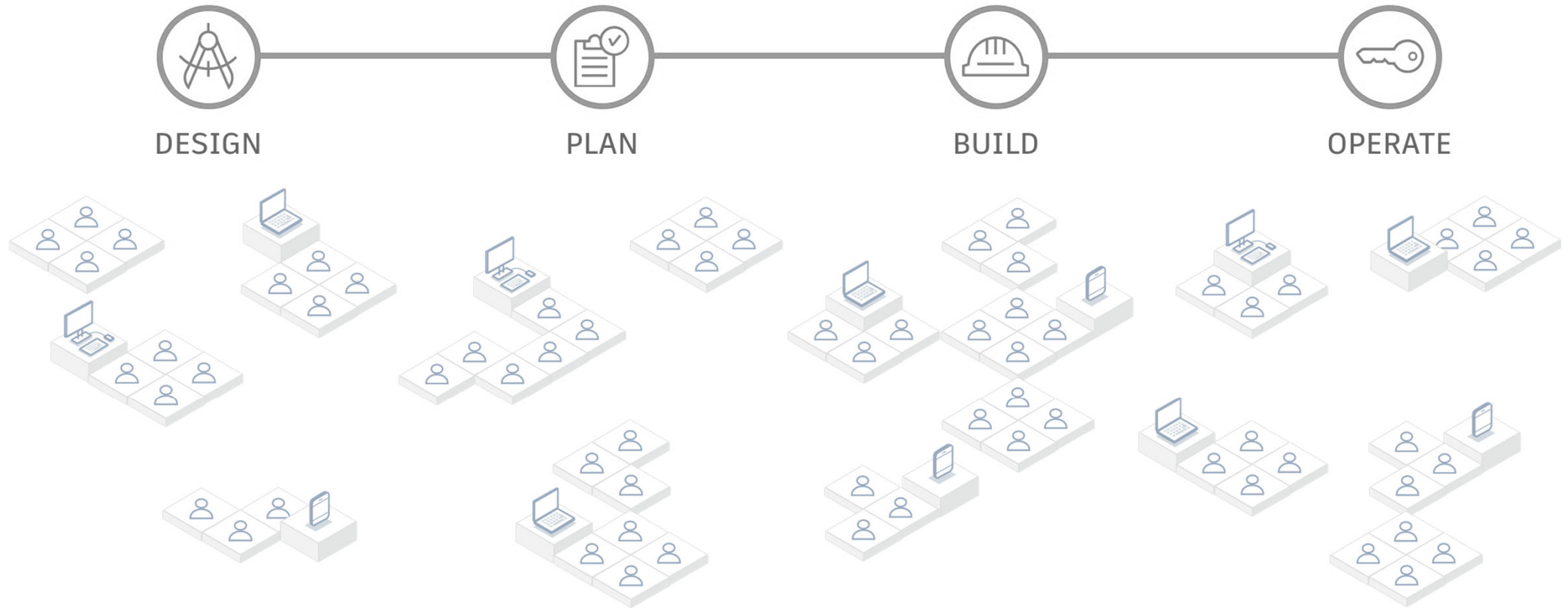


Magic Button

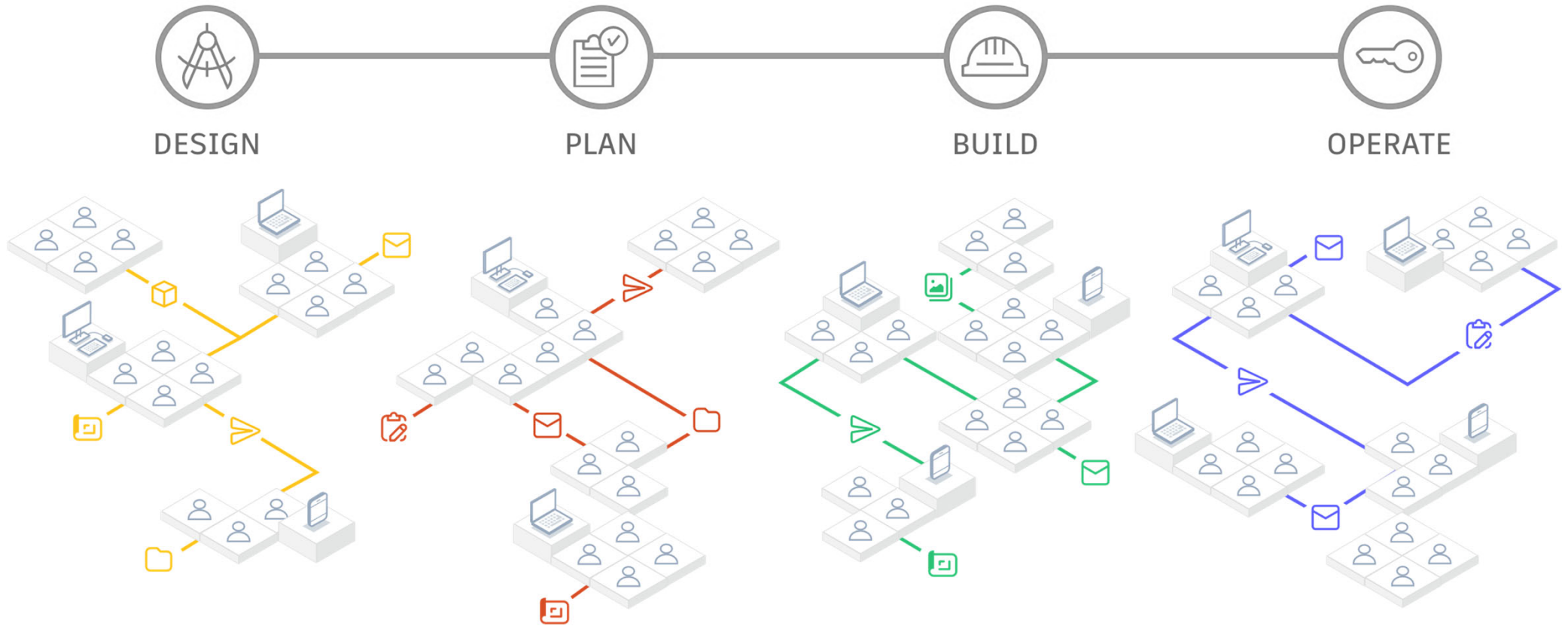
Fragmented Industry



Fragmented Industry



Fragmented Industry



The Cost of a Fragmented Industry

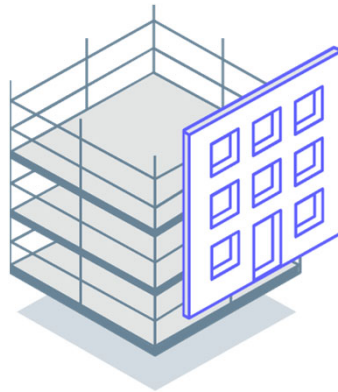


Teams

35%

of time is wasted on non-optimal activities
(14+ hours/person/week)

Source: Construction Disconnected – FMI Report



Projects

\$280B

industry annual rework costs
caused by poor project data and
communication

Source: Construction Disconnected – FMI Report



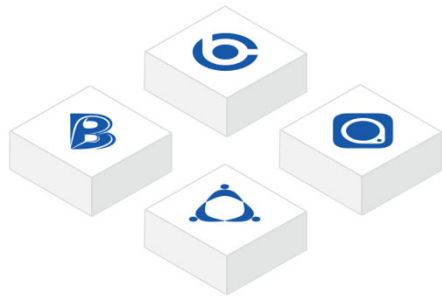
Business

95.5%

industry annual rework costs
caused by poor project data and
communication

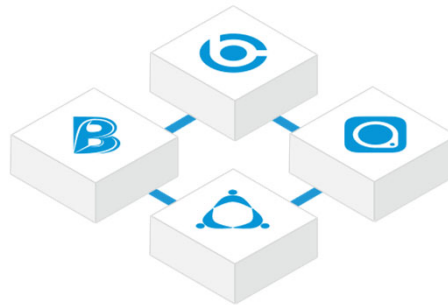
Source: Big Data = Big Questions for the Engineering and
Construction Industry – FMI Report

The Autodesk Construction Cloud Evolution



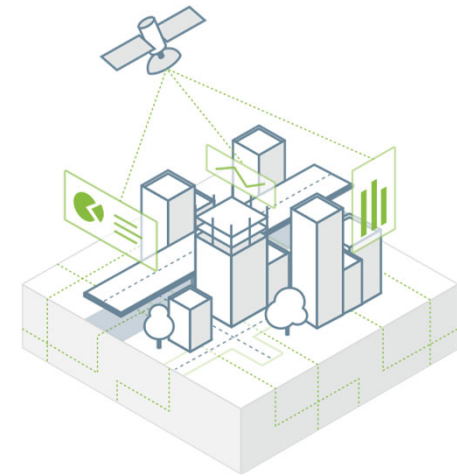
Continued Investment

continue building and enhancing the champion features across all our core products



Meaningful Integrations

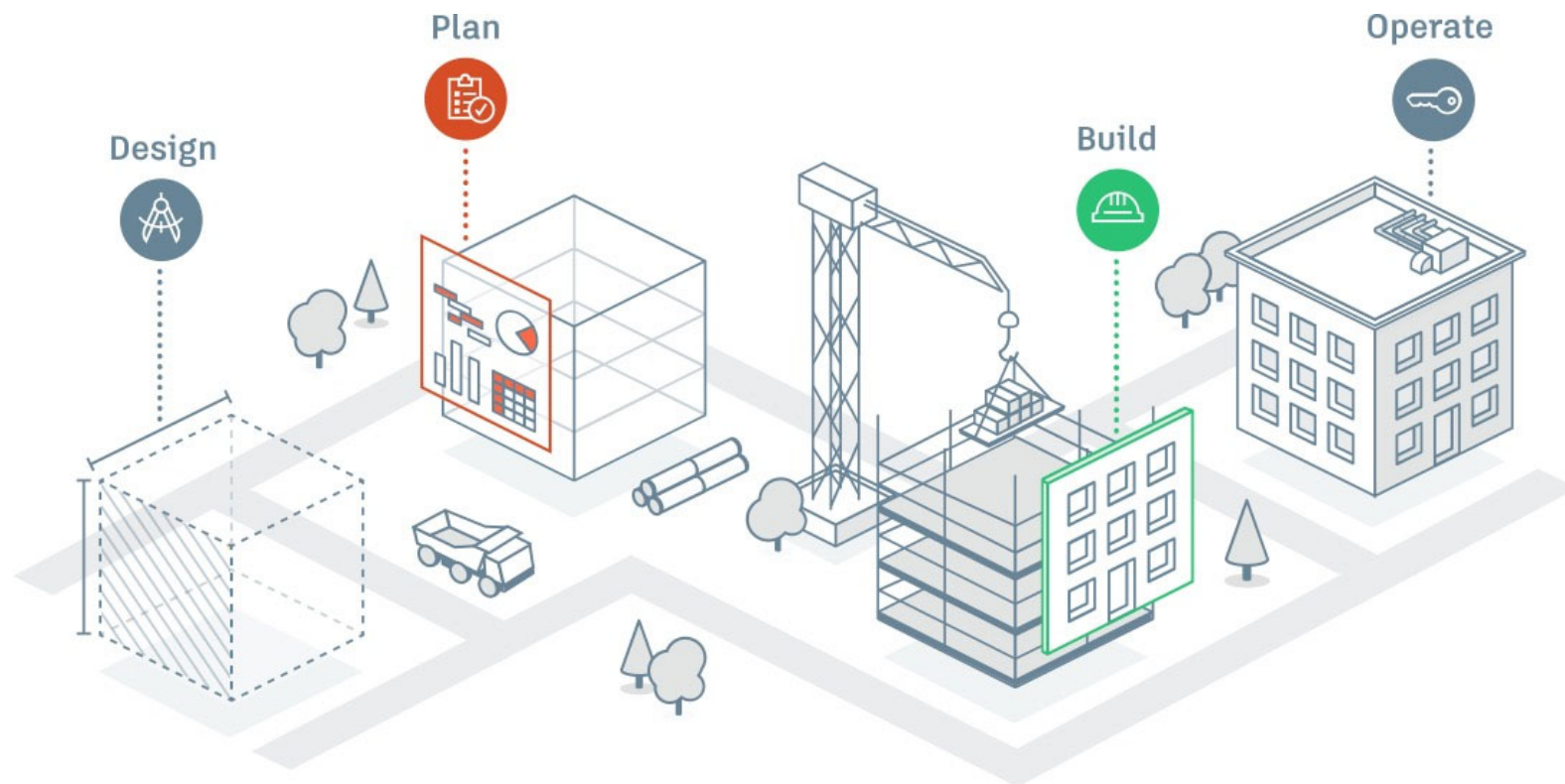
create integrations between these products so that they may more effectively be used together



Unification

build a unified platform where all champion features come together under a single log-in for seamless adoption of features across the full digital building lifecycle

AUTODESK Construction Cloud



Fragmented Industry



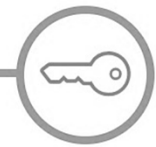
DESIGN



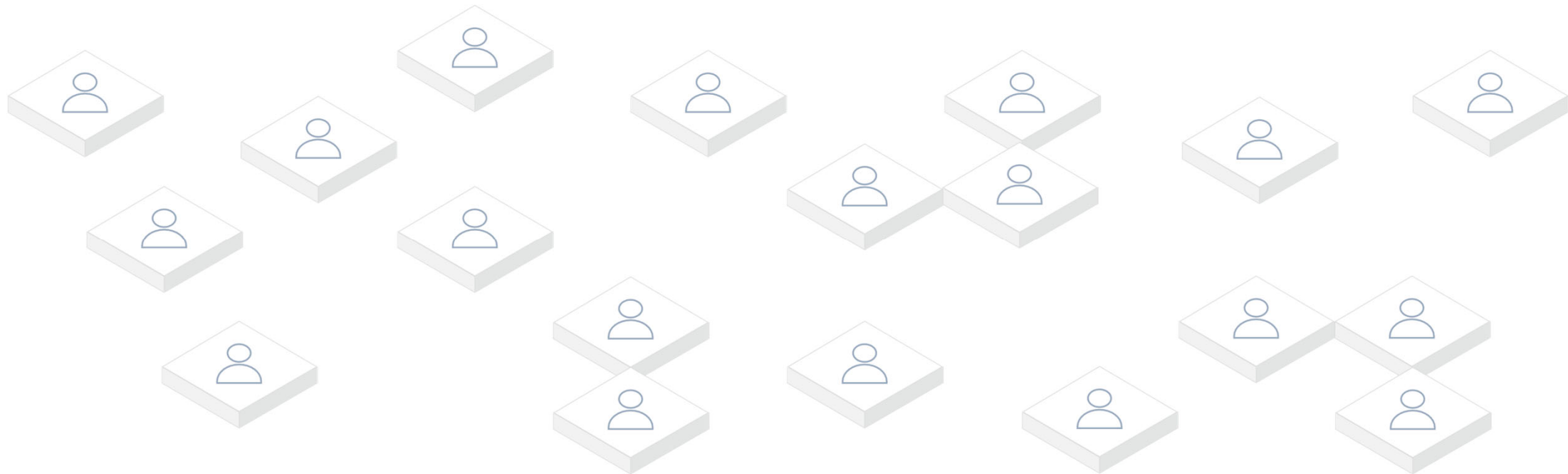
PLAN



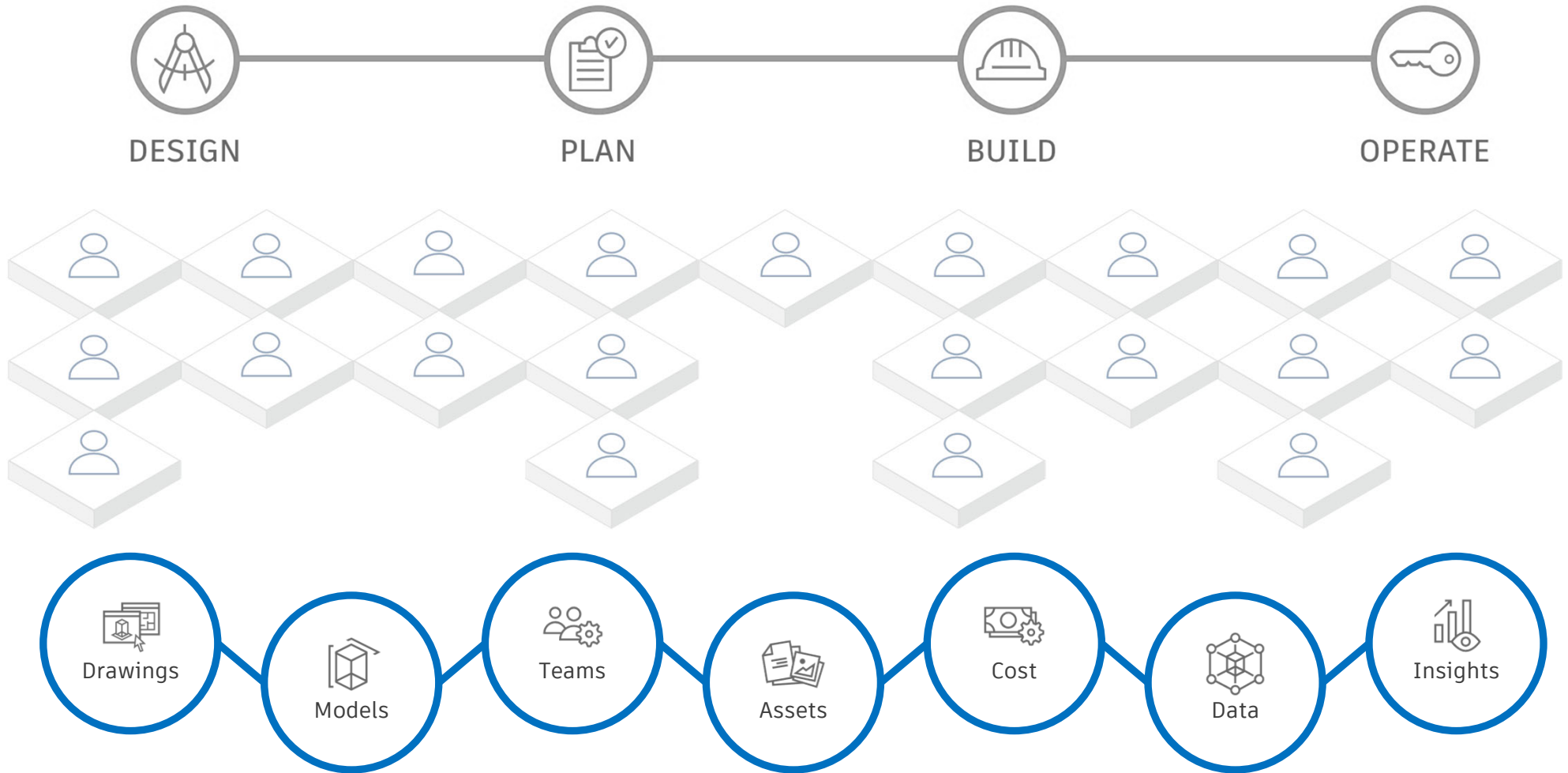
BUILD



OPERATE



Connected Construction



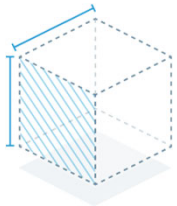
 **AUTODESK** Construction Cloud



Autodesk Construction Cloud Evolved

| | |
|--------------------|------------------------------|
| BIM 360 Design | Autodesk BIM Collaborate Pro |
| BIM 360 Coordinate | Autodesk BIM Collaborate |
| BIM 360 Build | Autodesk Build |
| BIM 360 Cost | Autodesk Build |
| PlanGrid | Autodesk Build |
| BIM 360 Docs | Autodesk Docs |
| N/A | Autodesk Takeoff |

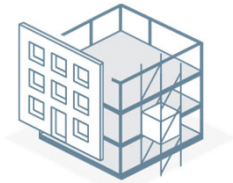
AUTODESK Construction Cloud



**AUTODESK®
BIM COLLABORATE**



**AUTODESK
TAKEOFF**



**AUTODESK®
BUILD**

AUTODESK® DOCS

Models · Drawings · Issues · Specifications · RFIs · Cost · Assets · As-Builts · Photos · Videos

INSIGHT

Dashboards · Reports · Construction IQ · Data Connector

ADMINISTRATION

User Management · Autodesk ID · Project Administration

Data Centre's Locations



Americas – Data Centre



Americas: <https://acc.autodesk.com/>
European: <https://acc.autodesk.eu/>



Europe – Data Centre

Security



- SOC 2 Audited
- ISO 27001, 27017, 27018 Certified
- UK Cybersecurity Essentials



Americas: <https://docs.b360.autodesk.com/>
European: <https://docs.b360.eu.autodesk.com/>

<https://www.autodesk.com/trust/compliance>

STARTERS

D AUTODESK Docs

Document Management

MAINS

B AUTODESK Build

Project Management
Cost Management
Quality
Health & Safety
Project Closeout

SIDES

B AUTODESK BIM Collaborate

Design Collaboration
Model Coordination

Add Special Sauce **B** AUTODESK BIM Collaborate Pro

DESSERTS

T AUTODESK Takeoff

Quantity Takeoff
• 2D Takeoff
• 3D Takeoff

AUTODESK
Construction Menu

Afternoon Specials
4:30 PM – 6 PM

SPECIALS



Connect Quantities & Bid Forms
Management Project Schedules



Bid & Risk Management



Submittals
Closeout



Automate Custom Integrations



Cost Estimating
Digital Takeoffs
Bid Analysis

TAKE AWAY



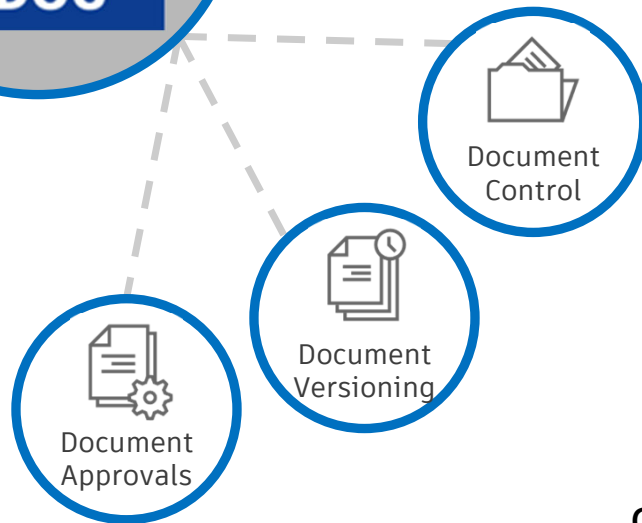
PlanGrid Build App



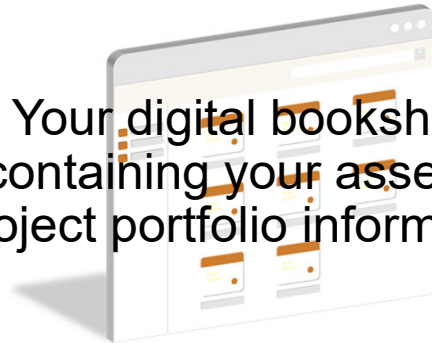


AUTODESK Docs

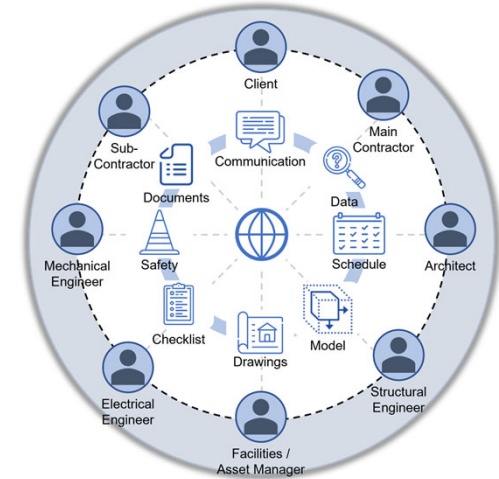
Organize, distribute, and share files on a single, connected document management platform, ensuring all team members have access to the information they need.



Your digital bookshelf
containing your asset or
project portfolio information



Common Data Environment

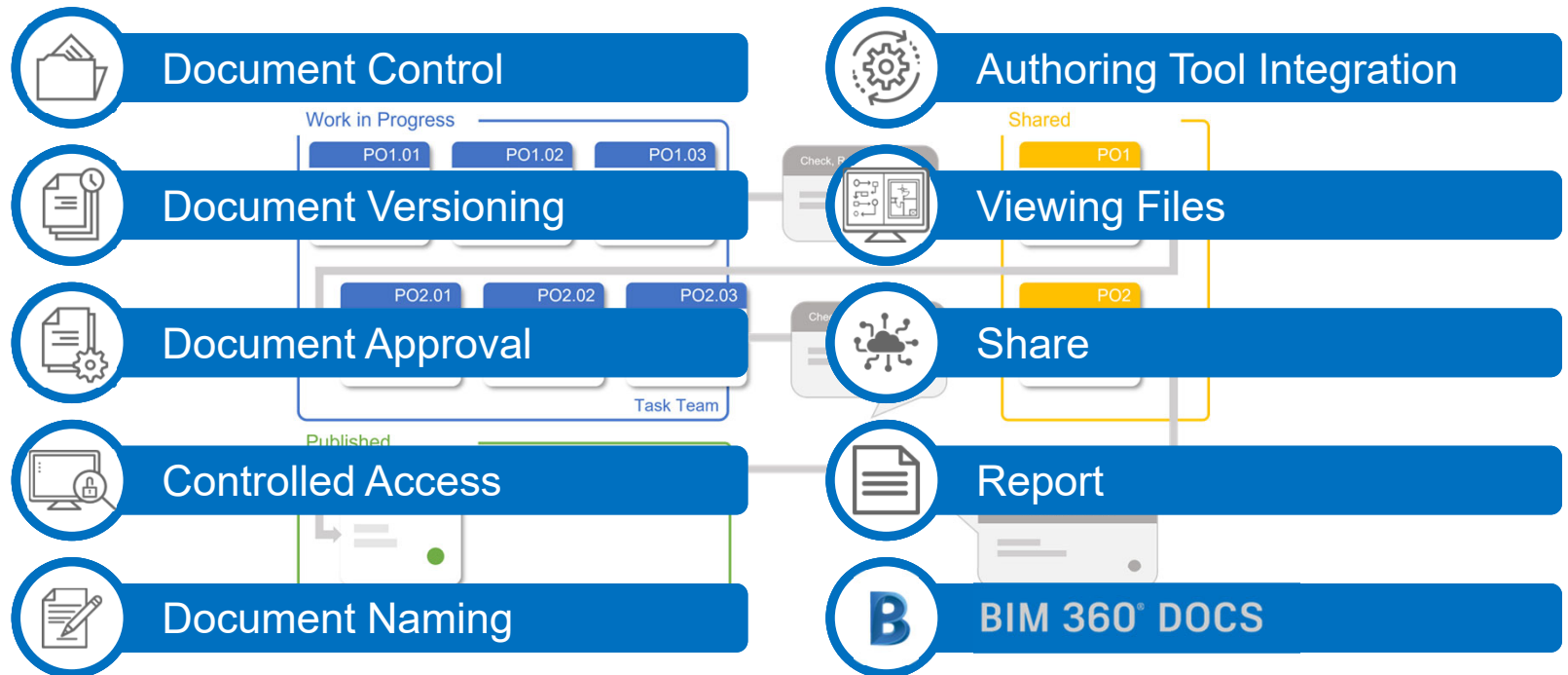




AUTODESK Docs



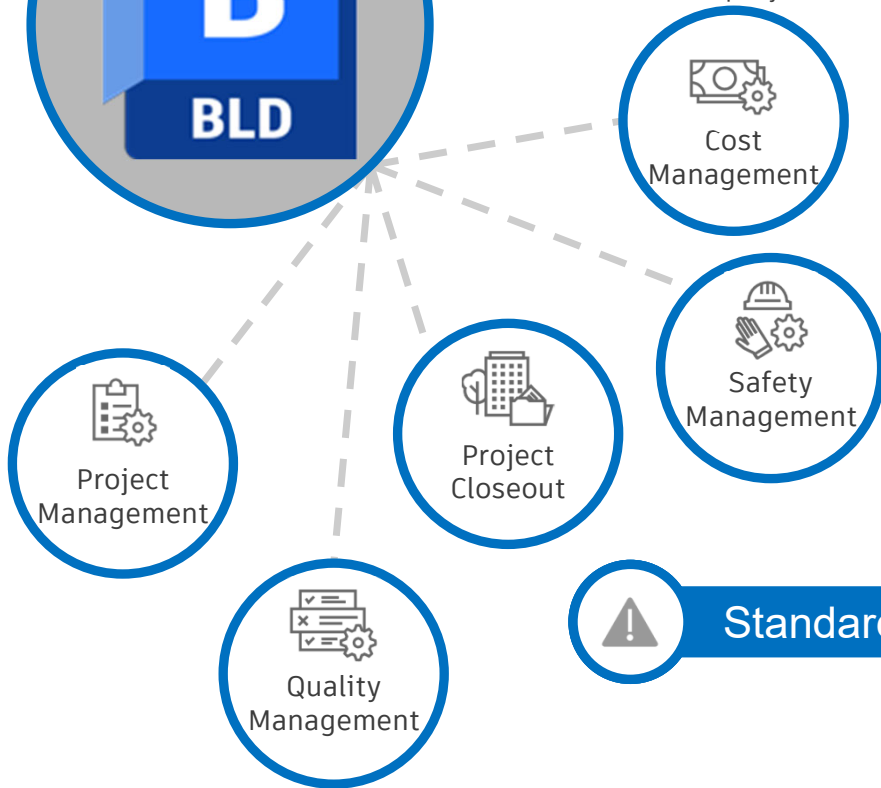
AUTODESK Architecture Engineering & Construction Collection






AUTODESK Build


Empower builders with a field execution and project management solution to seamlessly collaborate and deliver construction projects on time, on budget.




 Schedule, RFI's, submittals, etc

 Budgets / Forecasting

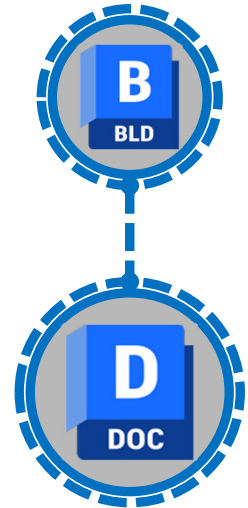
 Standardise quality inspection

 Standardise, visualise, monitor

 Manage, organise, distribute

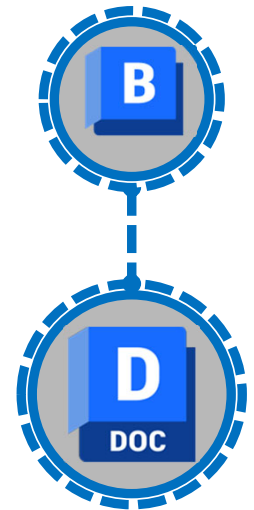
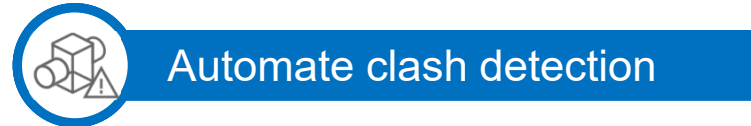
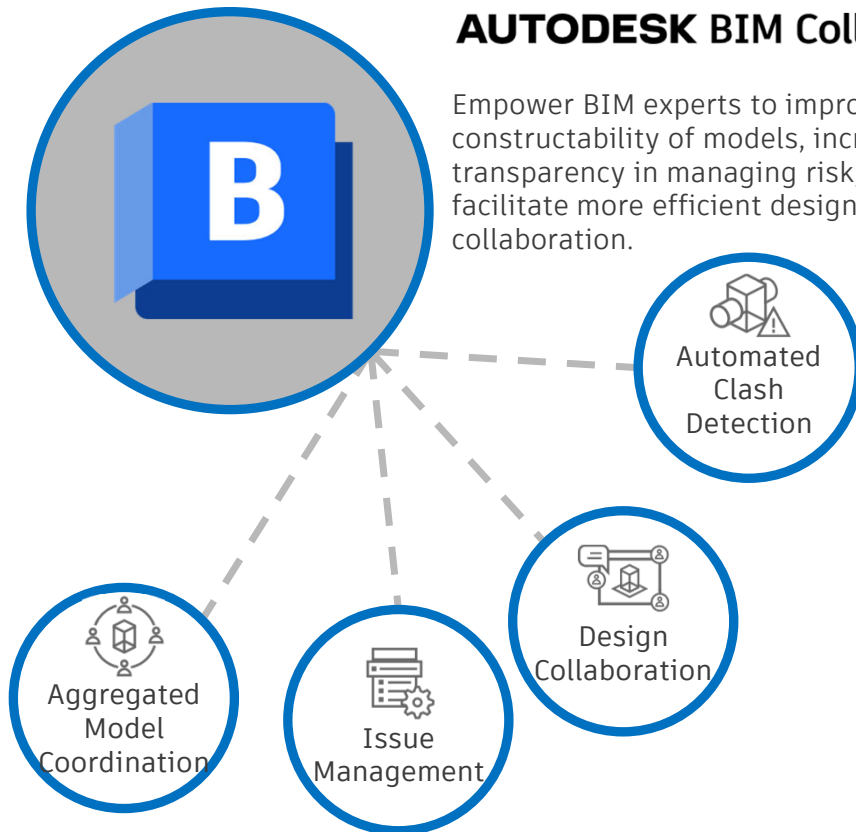
 Commissioning & handover

 BIM 360® BUILD



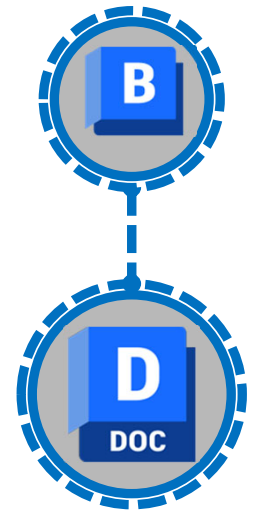
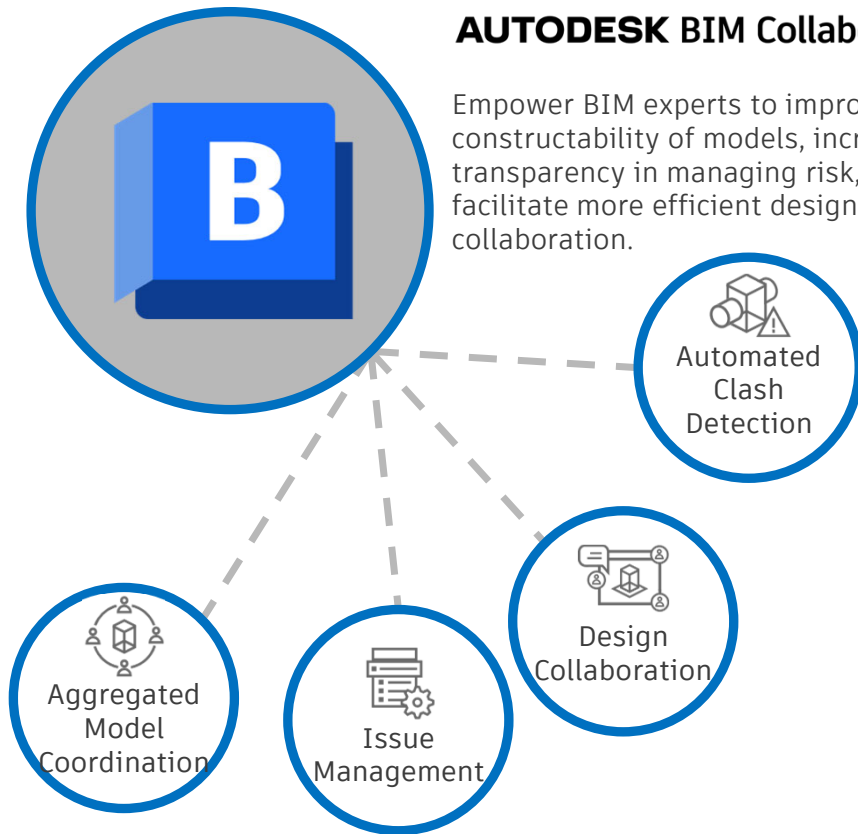
AUTODESK BIM Collaborate

Empower BIM experts to improve constructability of models, increase transparency in managing risk, and facilitate more efficient design collaboration.



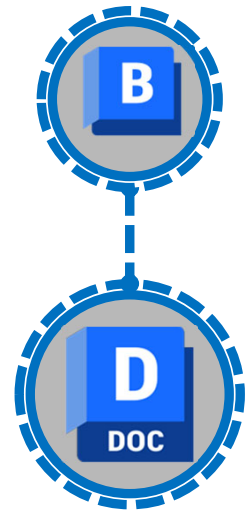
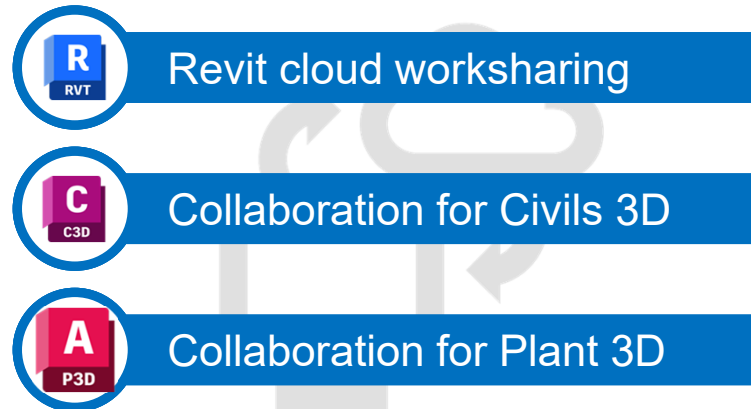
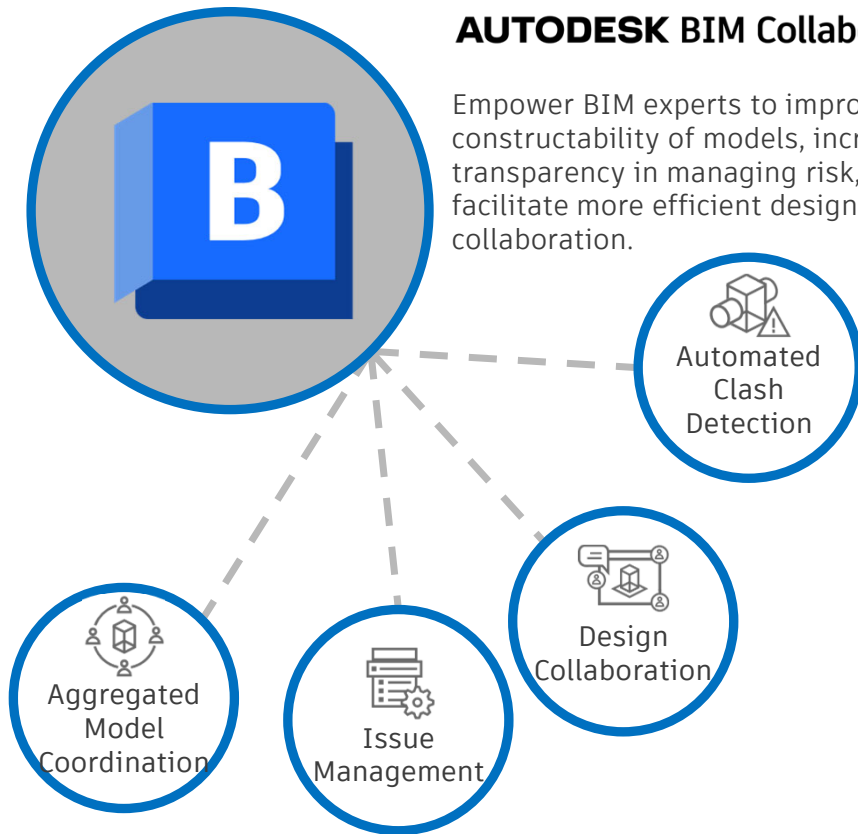
AUTODESK BIM Collaborate Pro

Empower BIM experts to improve constructability of models, increase transparency in managing risk, and facilitate more efficient design collaboration.



AUTODESK BIM Collaborate Pro

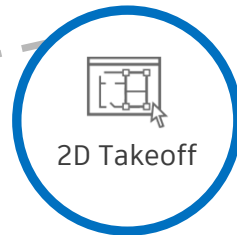
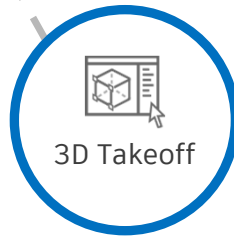
Empower BIM experts to improve constructability of models, increase transparency in managing risk, and facilitate more efficient design collaboration.





AUTODESK Takeoff

Enable estimators to perform more accurate 2D takeoffs and generate automated quantities from 3D models.



Simplified 2D Takeoff



Automate 3D Takeoff



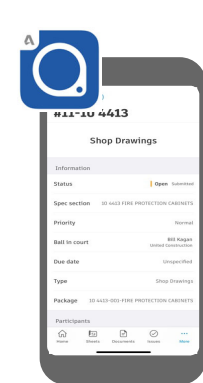
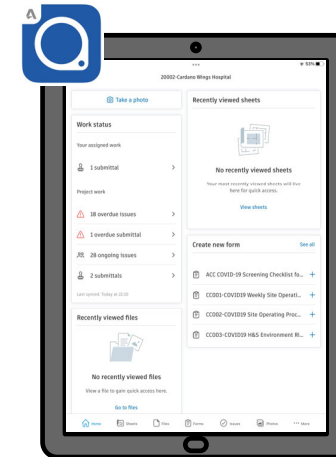
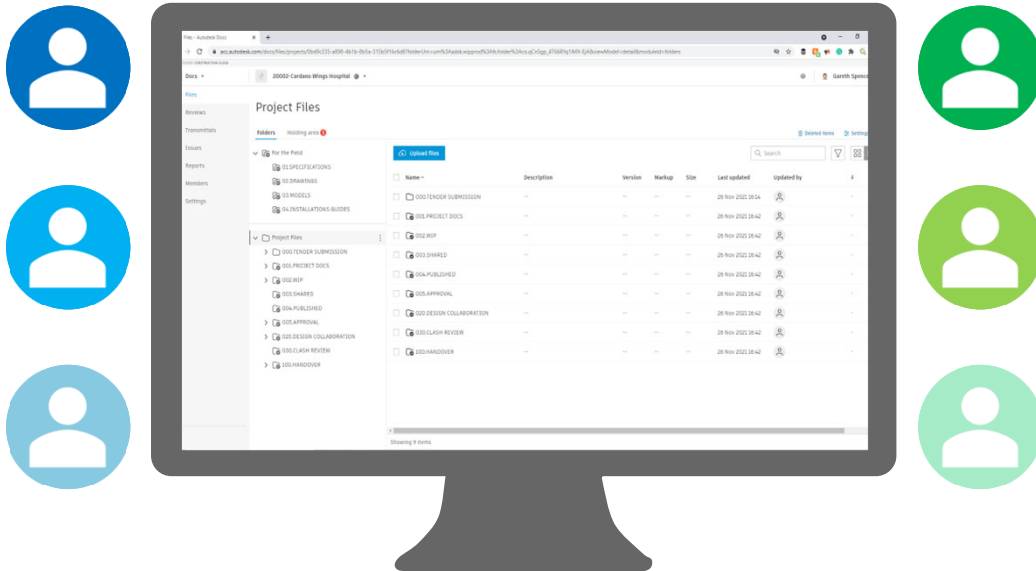
Update Changes



Organise Takeoffs



How to Access Autodesk Construction Cloud

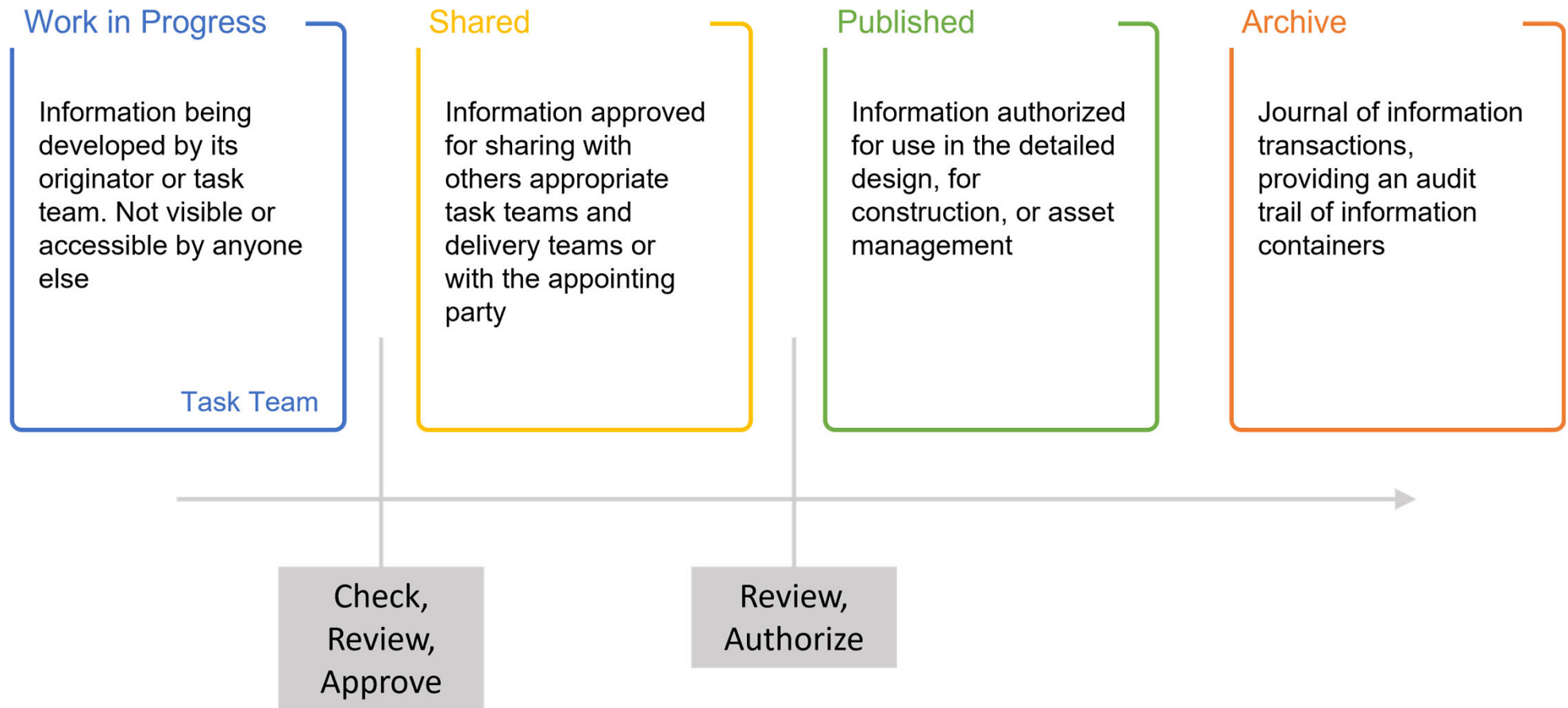




Let's Dive into

Autodesk Construction Cloud

Docs (ISO 19650 CDE Workflow)



Docs (ISO 19650-2 Information Container ID)



Project Common Data Environment – National Annex – NA2.2 Information Containers

Each information container to have a unique ID, based upon an agreed and documented convention comprised of fields separated by a delimiter.

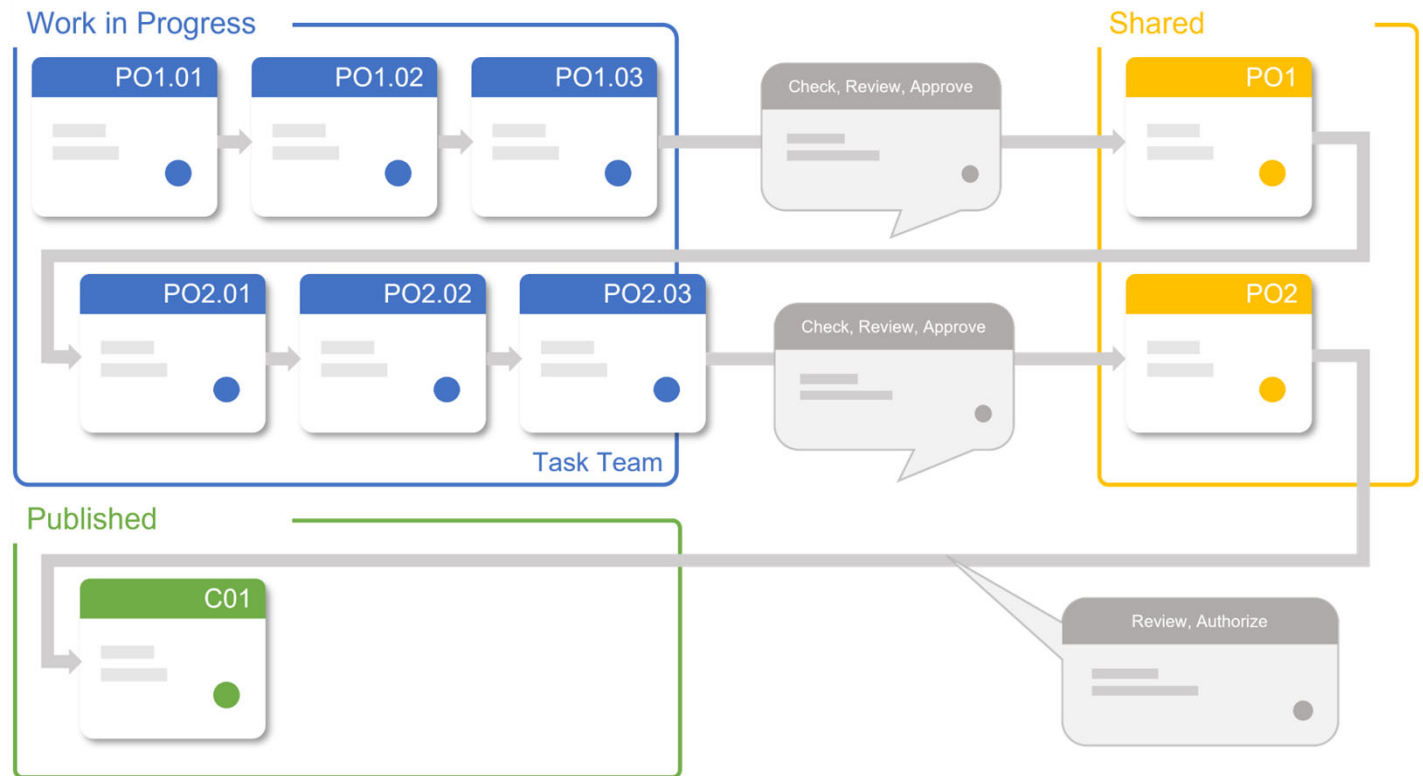
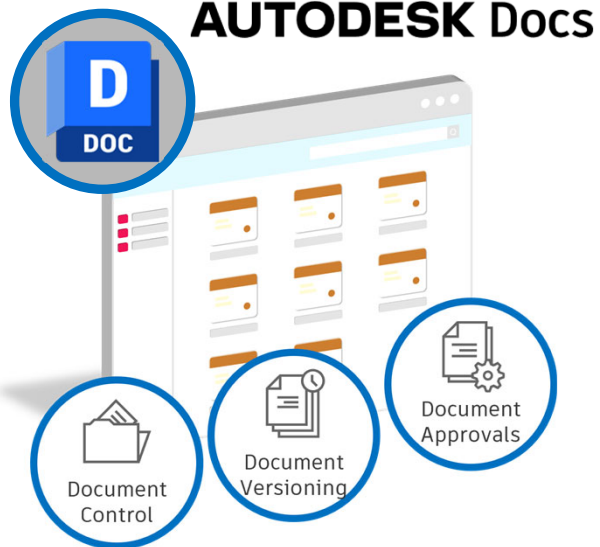
File Naming Information Containers



Information Containers Metadata



Docs (ISO 19650 CDE Workflow)



BIM Collaborate Pro

Controlled Cloud Worksharing



Cloud Worksharing

- Synchronization
- Element Borrowing
- Central File Storage
- Revit Accelerator



Collaboration

- Manage Civil 3D projects in the cloud
- Create & Consume Data Shortcuts
- Automatic File Locking
- Xref Management



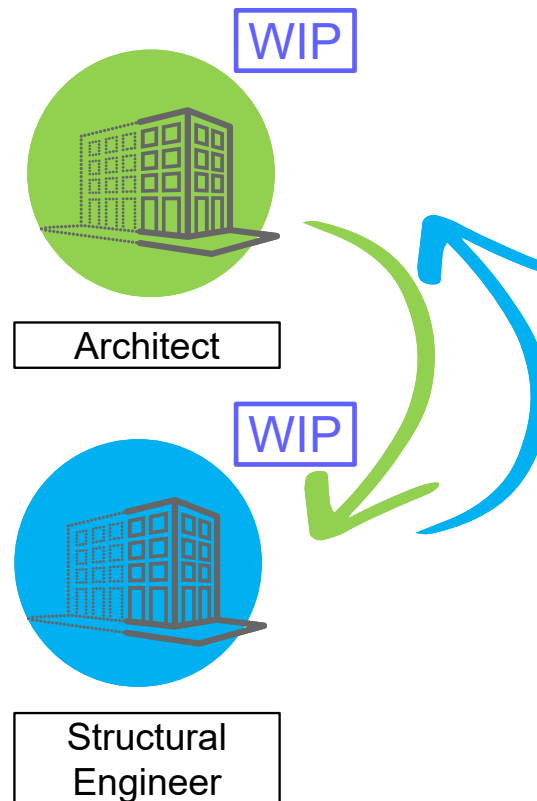
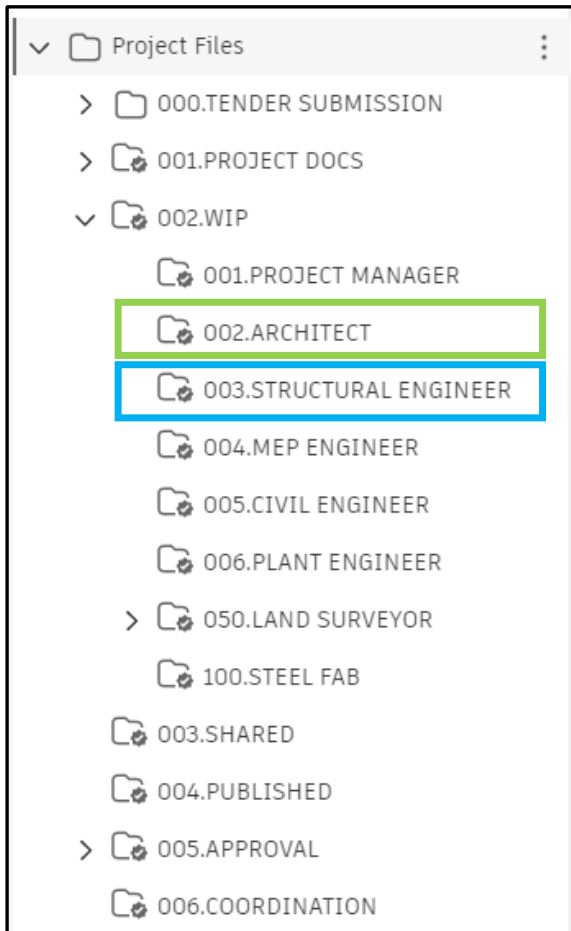
Collaboration

- Manage Plant 3D projects in the cloud
- Project Sharing and Review
- Streamlined Approval Workflows
- Simplified Administration
- Xref Management



BIM Collaborate Pro

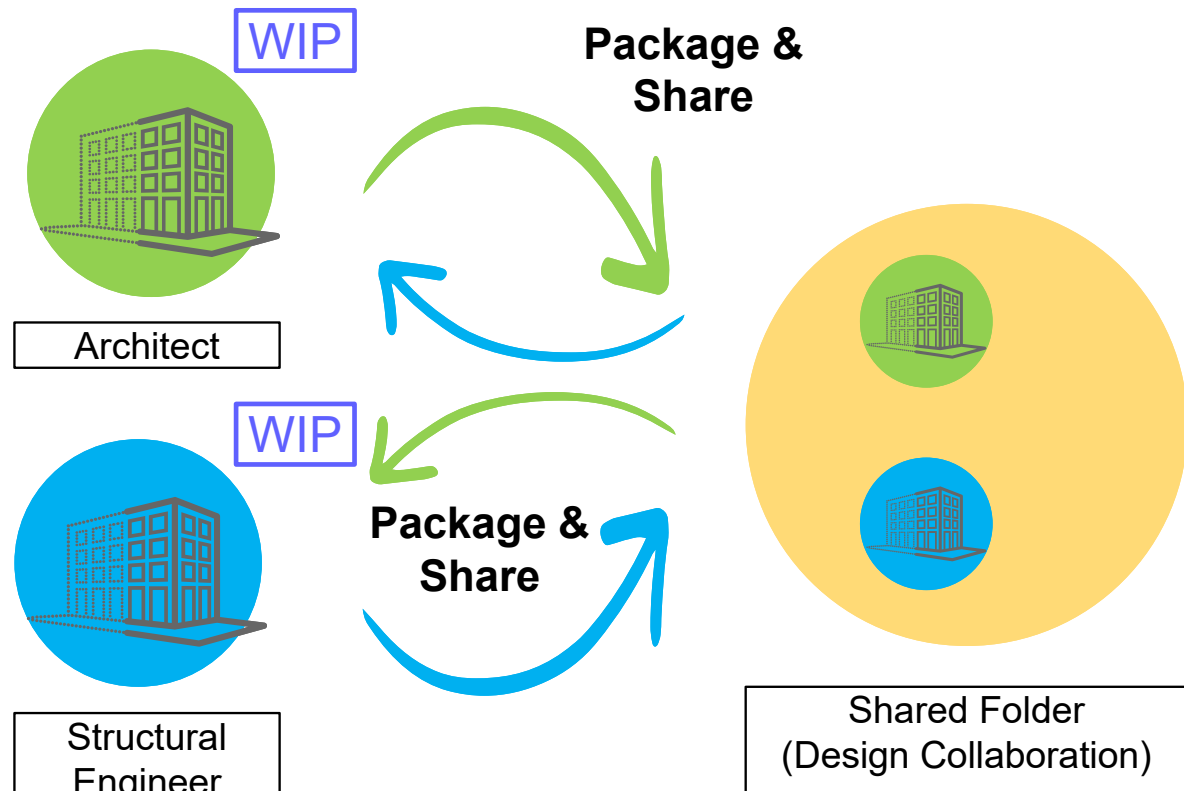
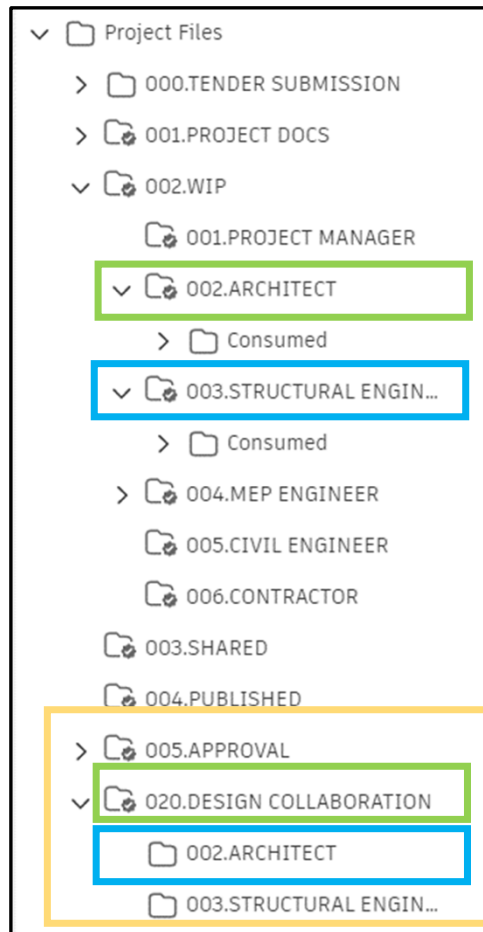
Revit Worksharing – Live Linking





BIM Collaborate Pro

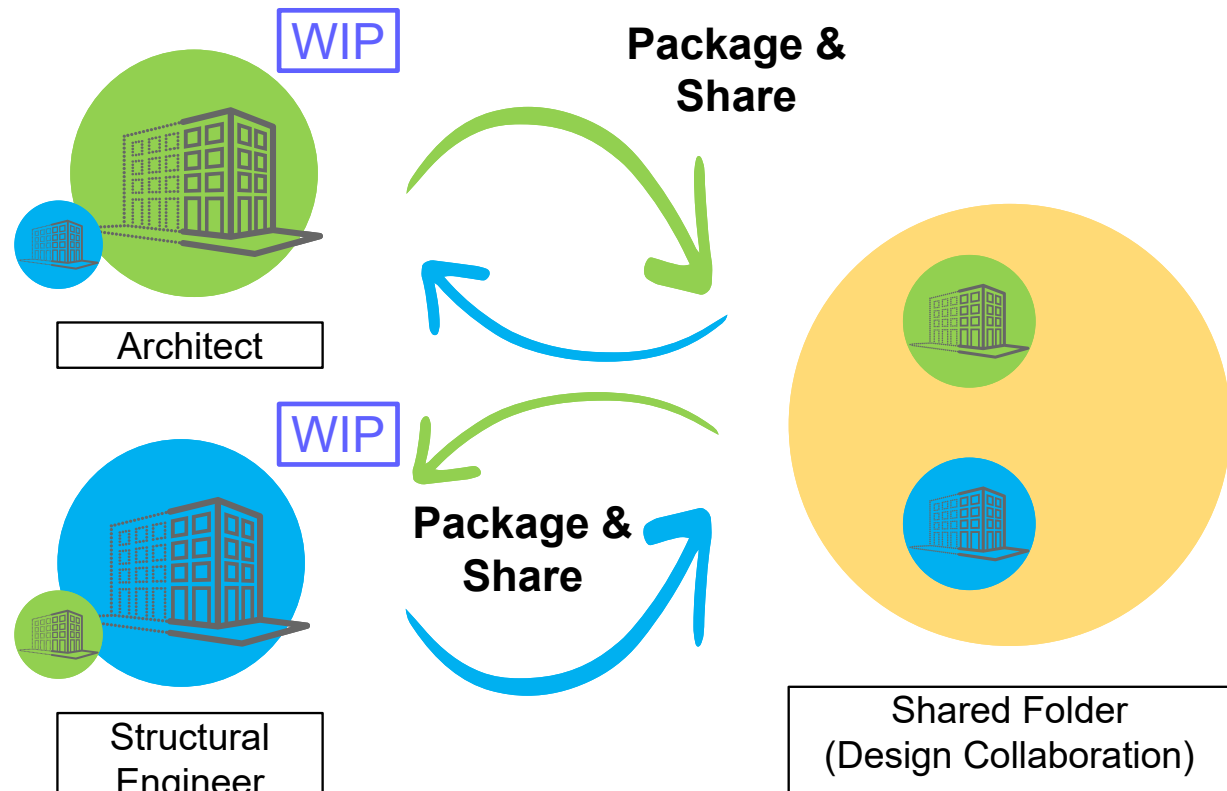
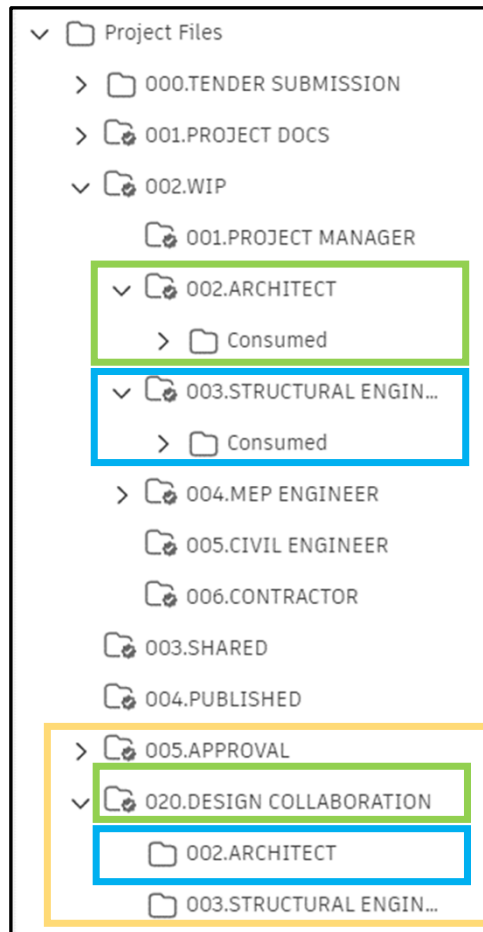
Revit Worksharing – Shared Linking





BIM Collaborate Pro

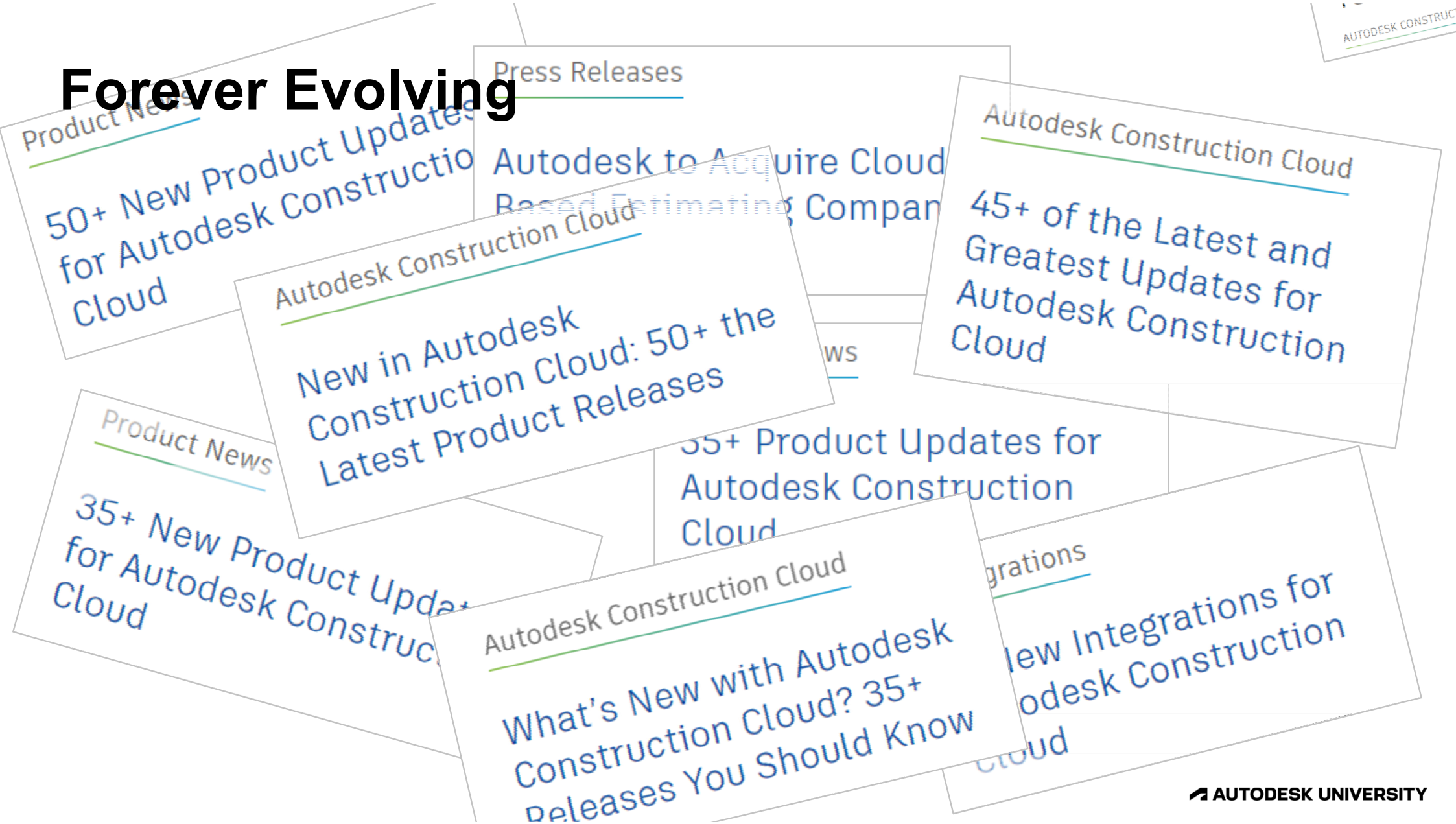
Revit Worksharing – Consumed Linking





And You Back in The Room

Forever Evolving



Ten Takeaways



1 Expert help getting started

2 Plan your implementation

3 Select correct server

4 Account administrators

5 Project Templates

6 Test project

7 Review

8 Training and Education

9 File sharing

10 Storage

11 Keep software up to date

Q&A

Presenter Contact Details



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Gareth Spencer



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Tel: +44(0)1844 263700

Email: gareth.spencer@manandmachine.co.uk



@TheDarkAsset





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