

Cloud Connected Workflows

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Class Objectives

Connect PDMC to the Cloud

1.
Increase your
Team
Collaboration
2.
Unleash the
Infinite
Computing
3.
Evangelize the use
of the products
inside the PDMC

Positioning the Cloud Autodesk Solutions





Stakeholders



Design

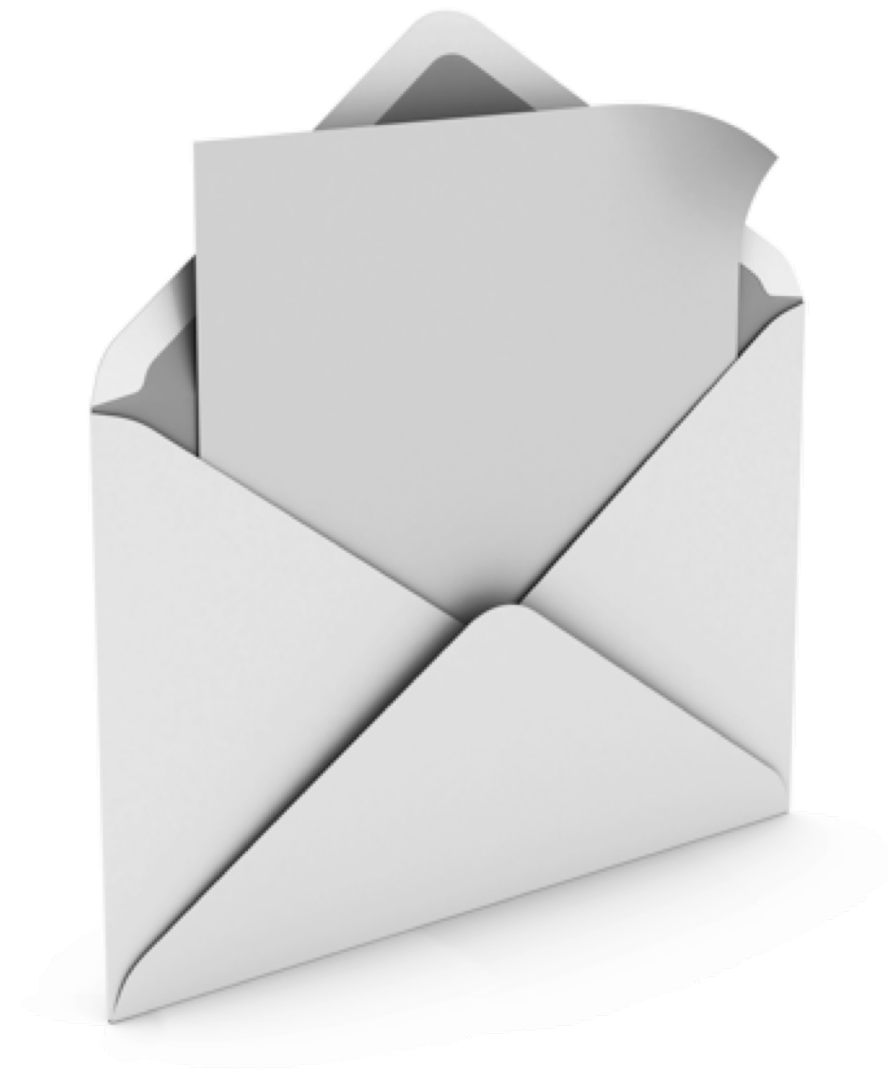


Design



Design

Current standard collaboration tools





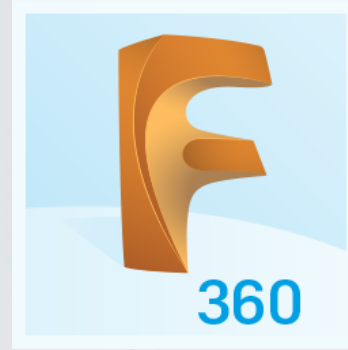
Inventor
Professional



Autodesk
Nastran
In-CAD



HSM
+
HSM Works



Fusion 360



Nesting
Utilities



One
AutoCAD



Factory
Design
Utilities



3ds Max



Navisworks
Manage



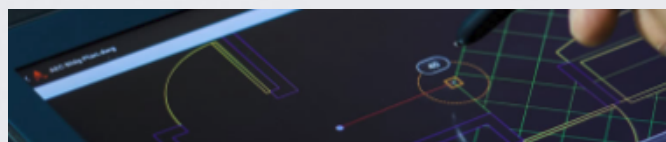
Vault Basic



ReCap Pro



ADSK
Drive



A AUTOCAD mobile app



AUTODESK RENDERING



CLOUD STORAGE

AUTODESK[®] PRODUCT
DESIGN & MANUFACTURING
COLLECTION



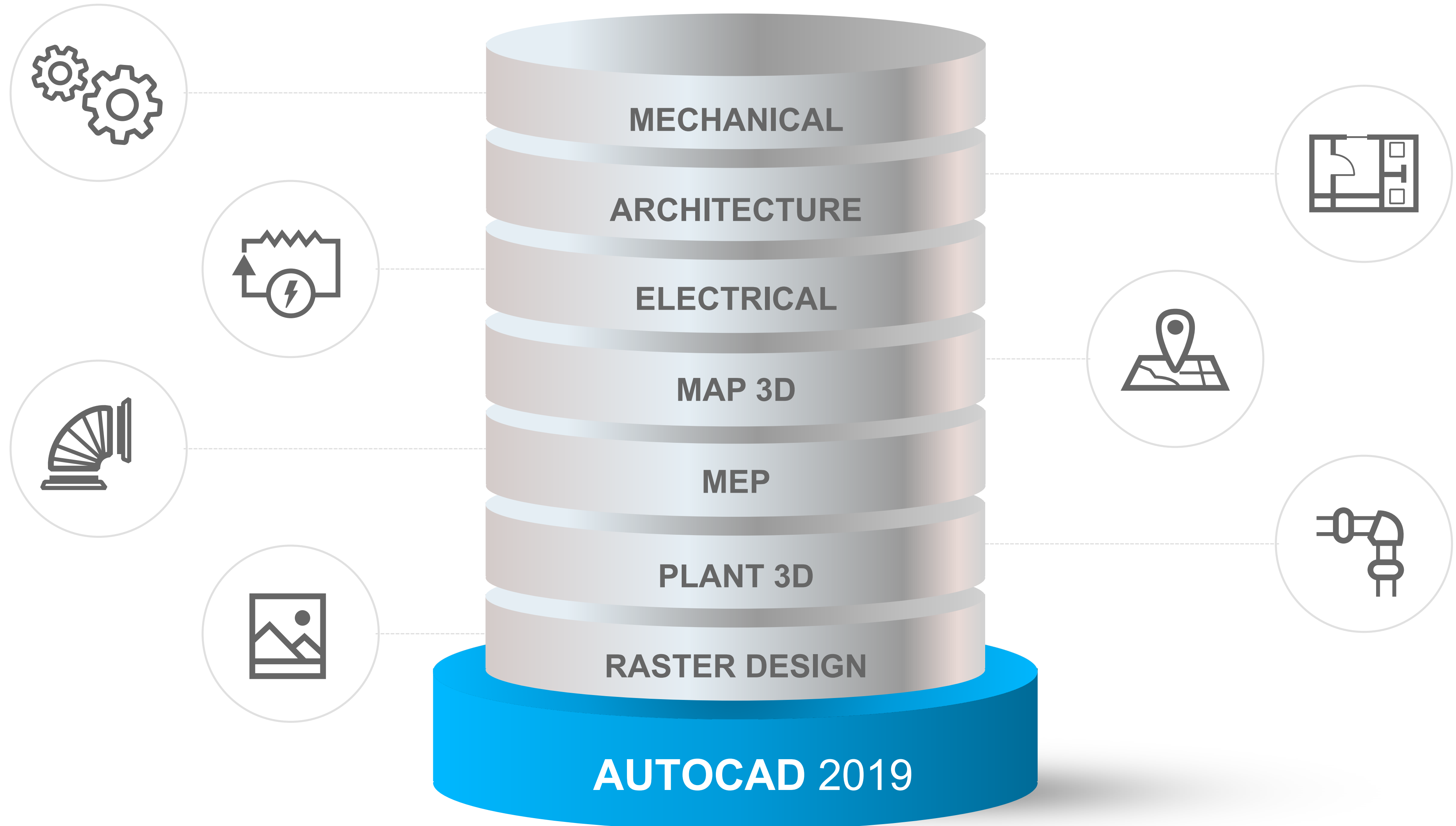
AUTODESK

AUTOCAD mobile app



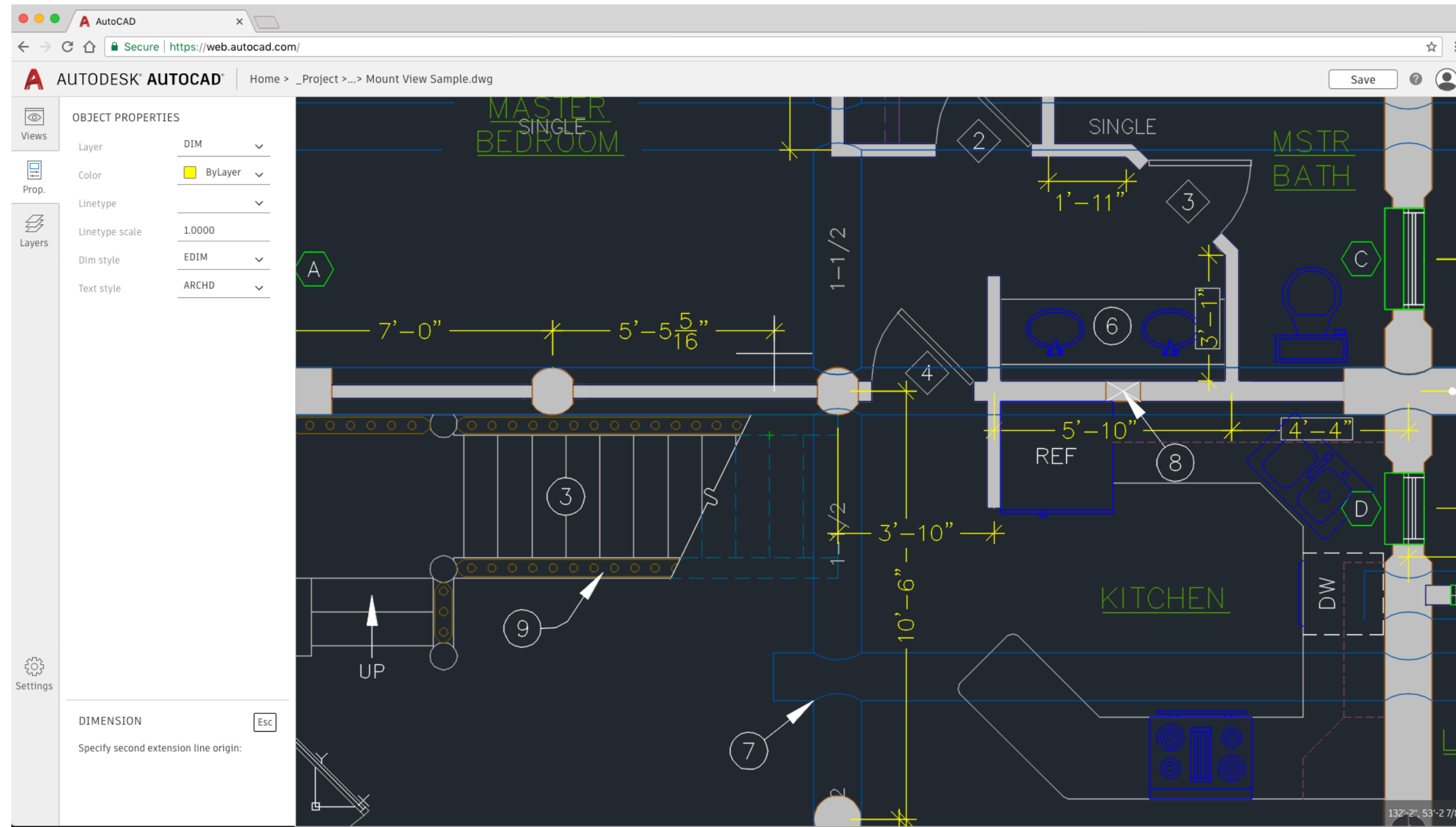
AutoCAD including specialized toolsets

Subscribers get access to industry-specific toolsets

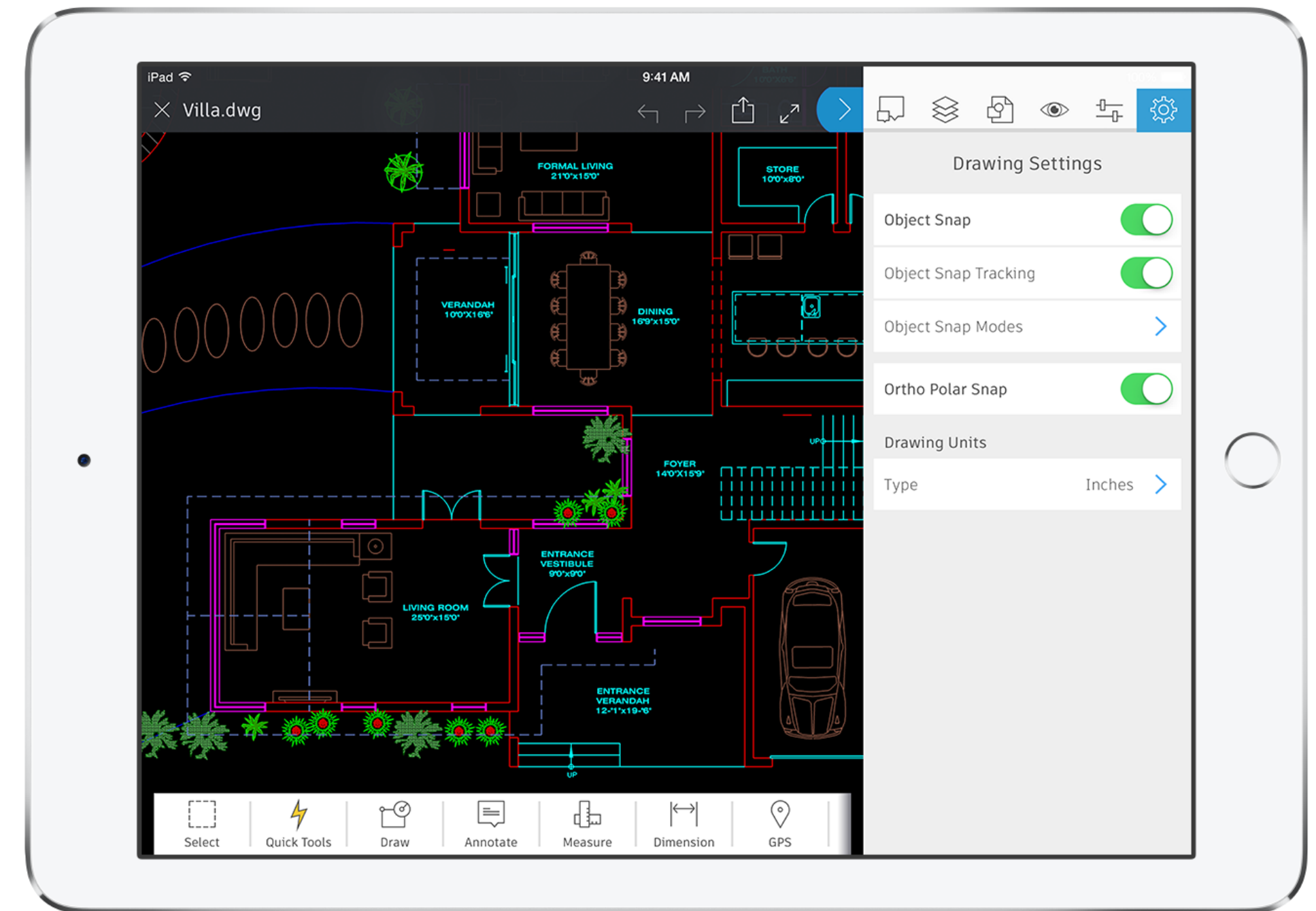


AutoCAD web & mobile apps

Work anytime, anywhere



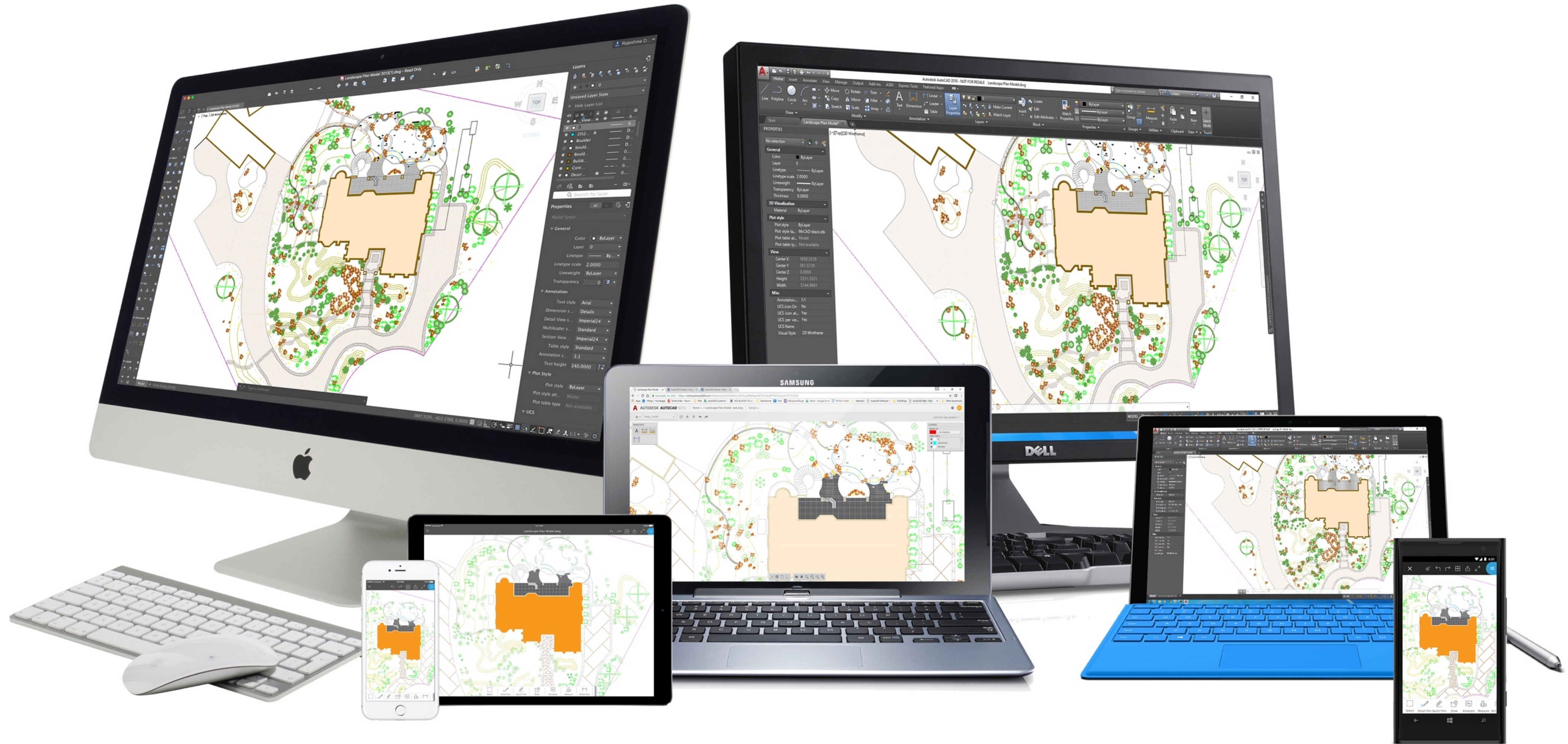
Edit, create, and view CAD drawings in a simplified web interface from any computer with the **AutoCAD web app**.



View, edit, create, and share CAD drawings anytime, anywhere with the **AutoCAD mobile app**.

Connected AutoCAD

Cohesive Across Platforms



Work anytime, anywhere



Stay on top of your projects at home or on the jobsite.

Edit, annotate, create, and view your DWGs to extend your workflows beyond your desk.

The power, reliability, and familiarity of the AutoCAD core engine.



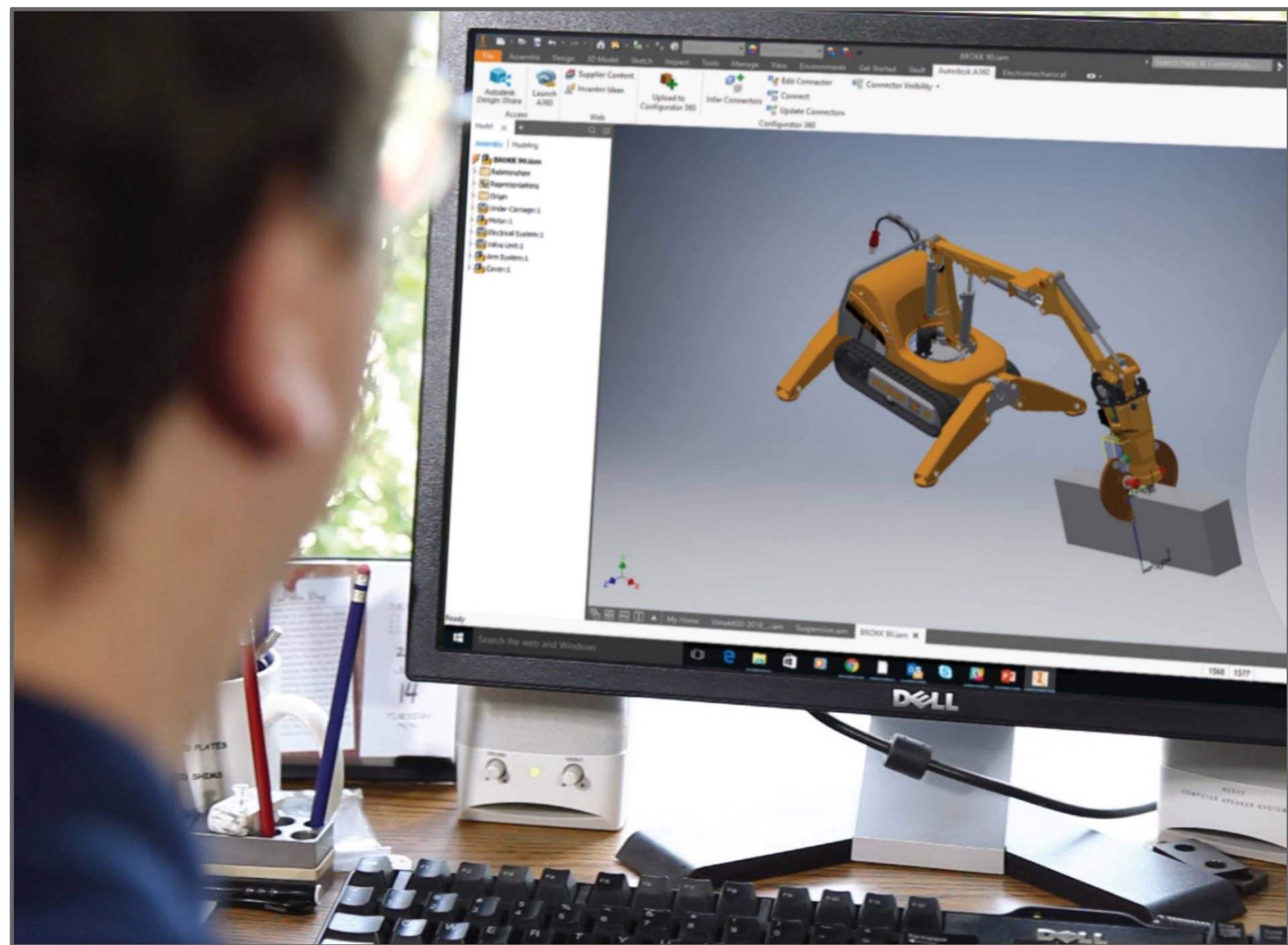
mobile app

Shared View

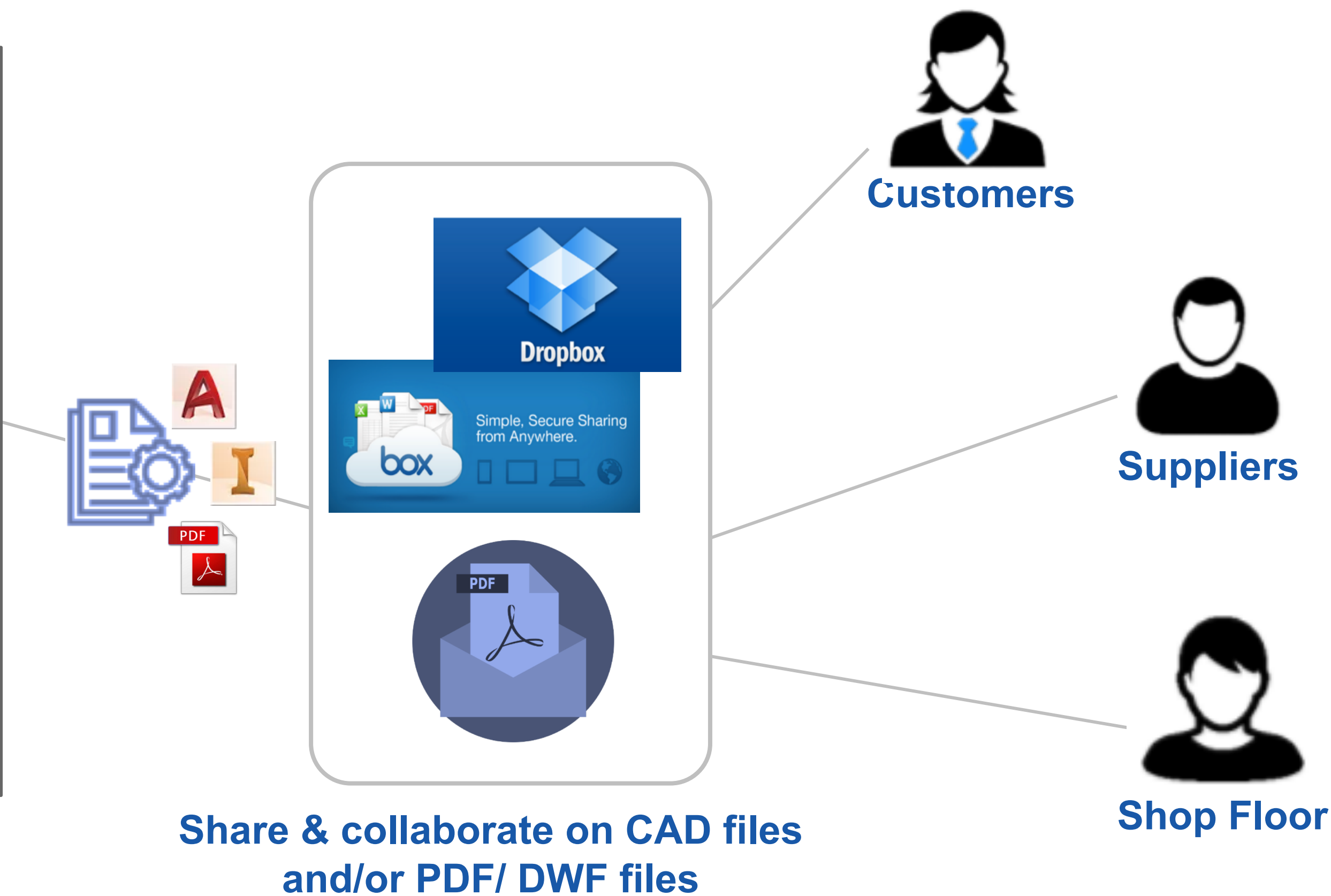


Get feedback on Work in Process – Challenge

Positioning of the Shared View

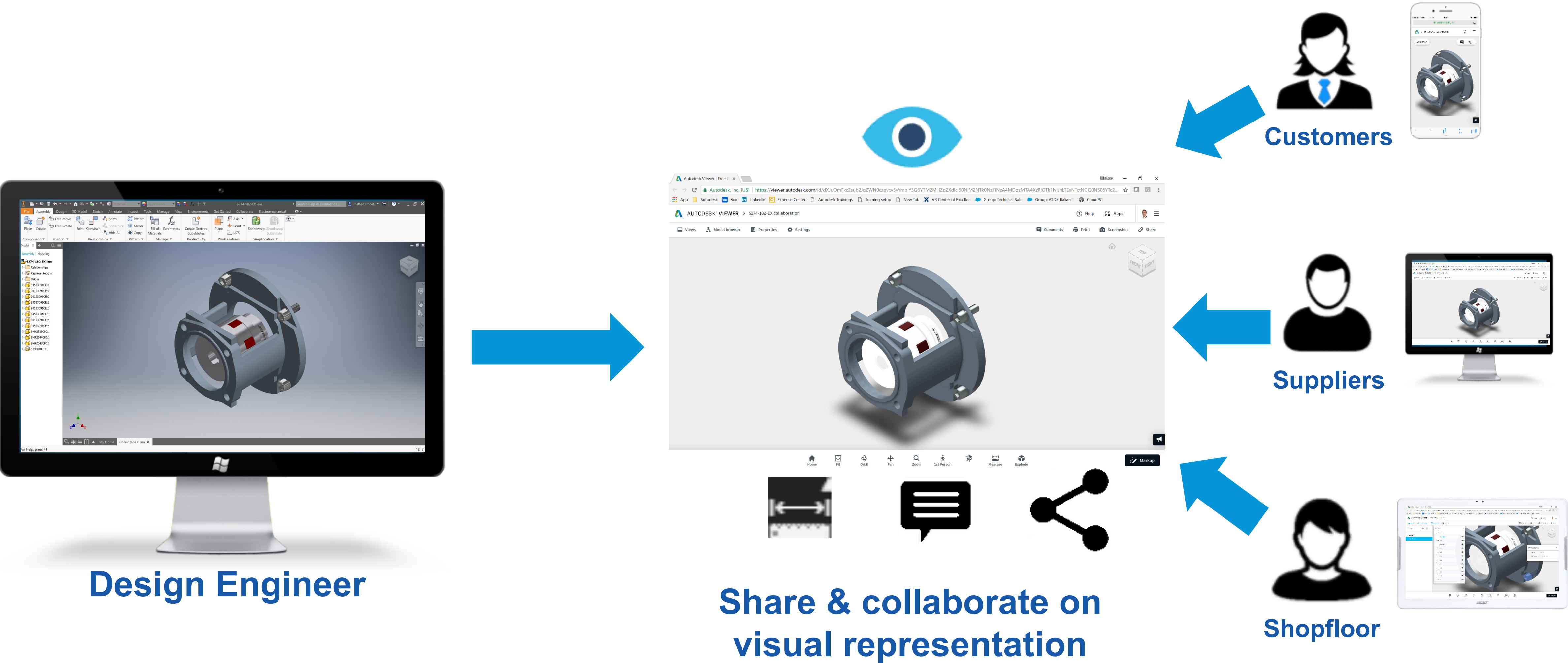


Design Engineer



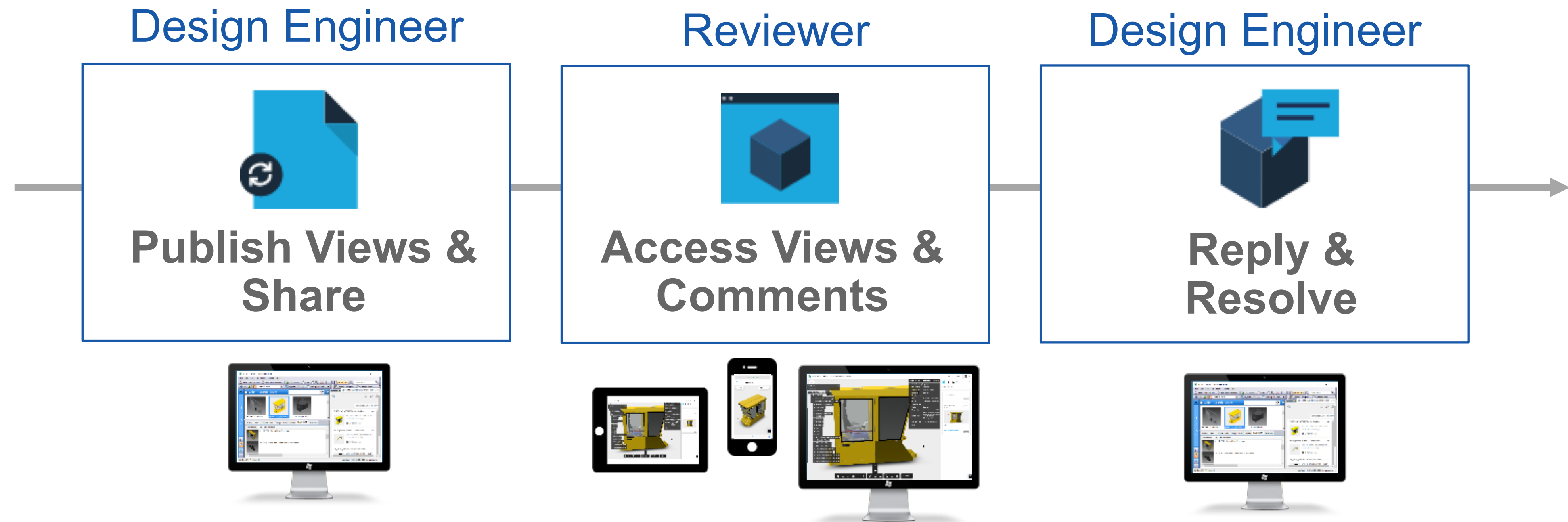
Simplify and Speed up Review Cycles

Shared View Mechanism



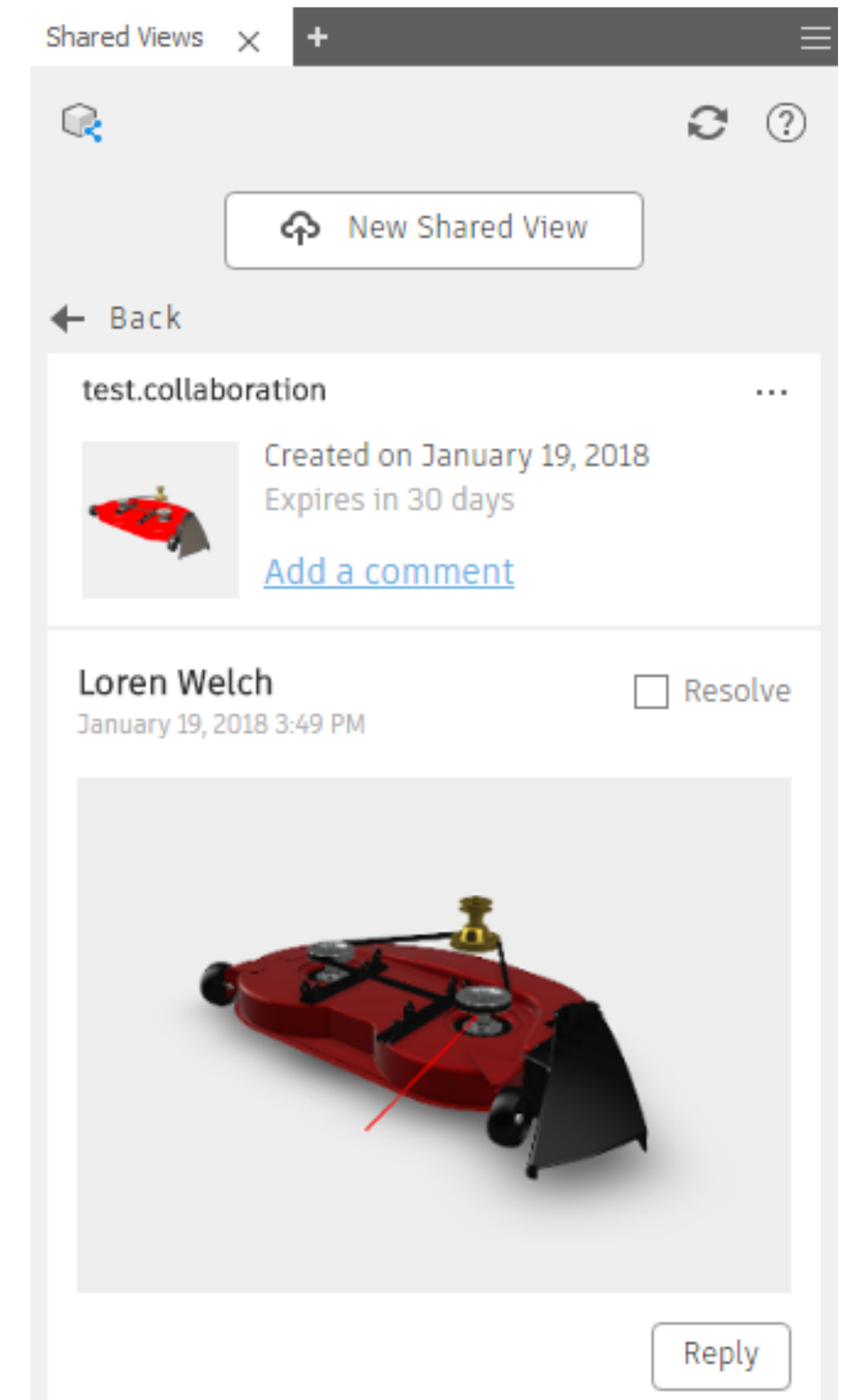
Shared Views Workflow

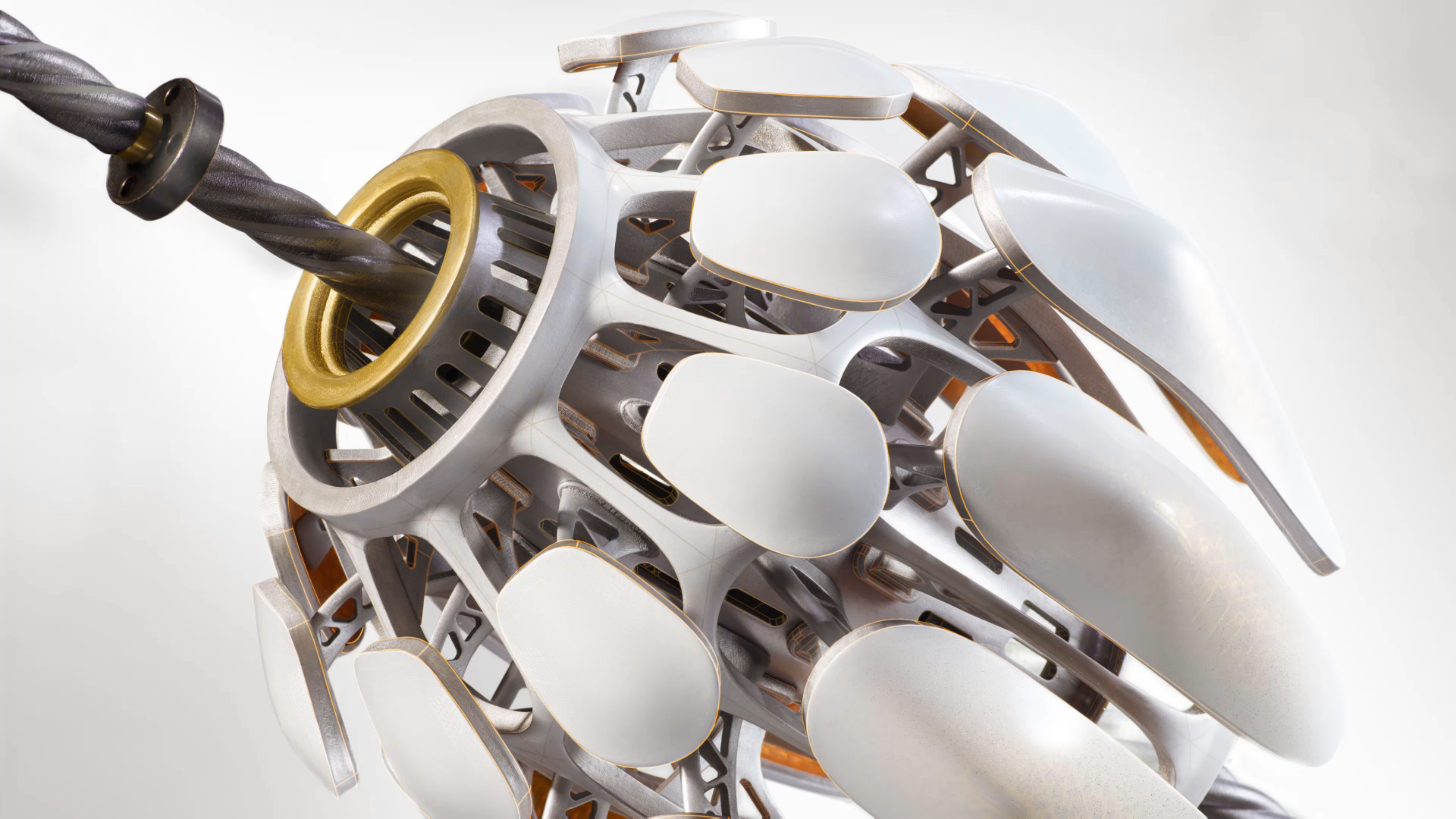
Mechanism of the Shared View



Shared View

- Create and Share viewable to Autodesk Viewer
 - Unique URL with 30-day expiration
- Activity feed in-product panel
- Same experience across Autodesk Products:
 - AutoCAD
 - Alias
 - Plant3D
 - DelCAM
 - Moldflow
 - Vault
 - Inventor
 - Civil 3D
 - 3ds Max
 - Infraworks





Autodesk Drive and Desktop Connector



Autodesk Drive and Desktop Connector

- Subscription service
- CAD-aware cloud storage for individuals and small teams
- Supports over 60 types of Autodesk and 3rd party files
- View and organize files stored in Autodesk Drive from your desktop



Desktop Connector

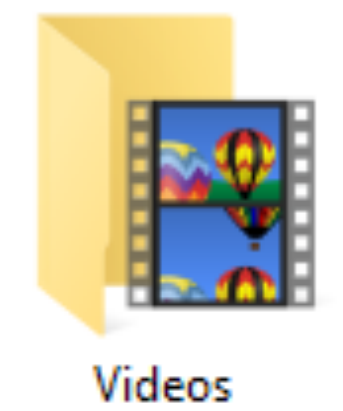
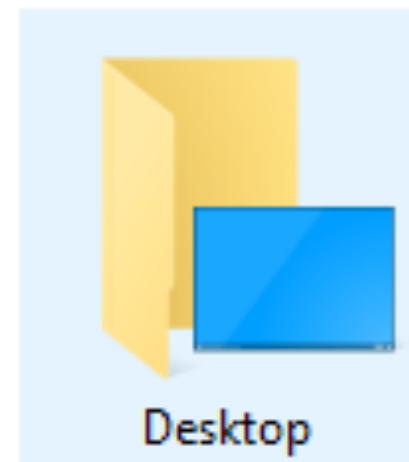
CLOUD CONNECTED



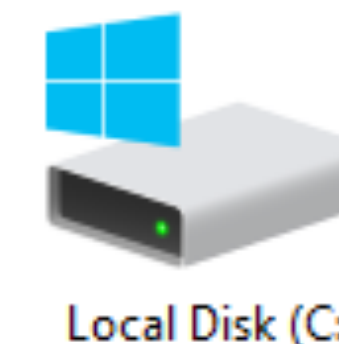
Autodesk Desktop Connector

Creates 'drives' within Explorer, to directly work, open, save pack and go to / from Autodesk Drive, BIM360 Team & Fusion Team

✓ Folders (6)

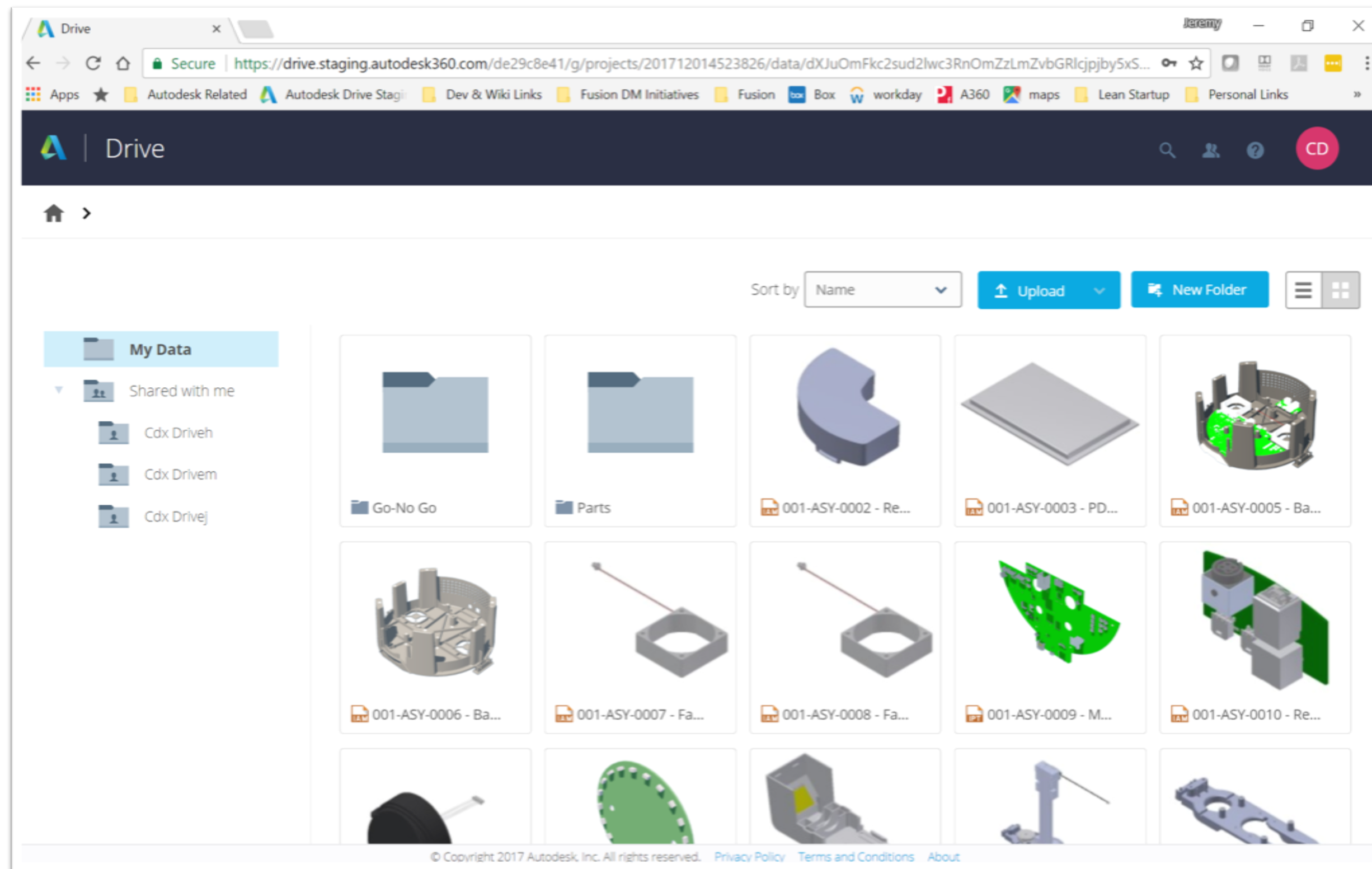


✓ Devices and drives (5)

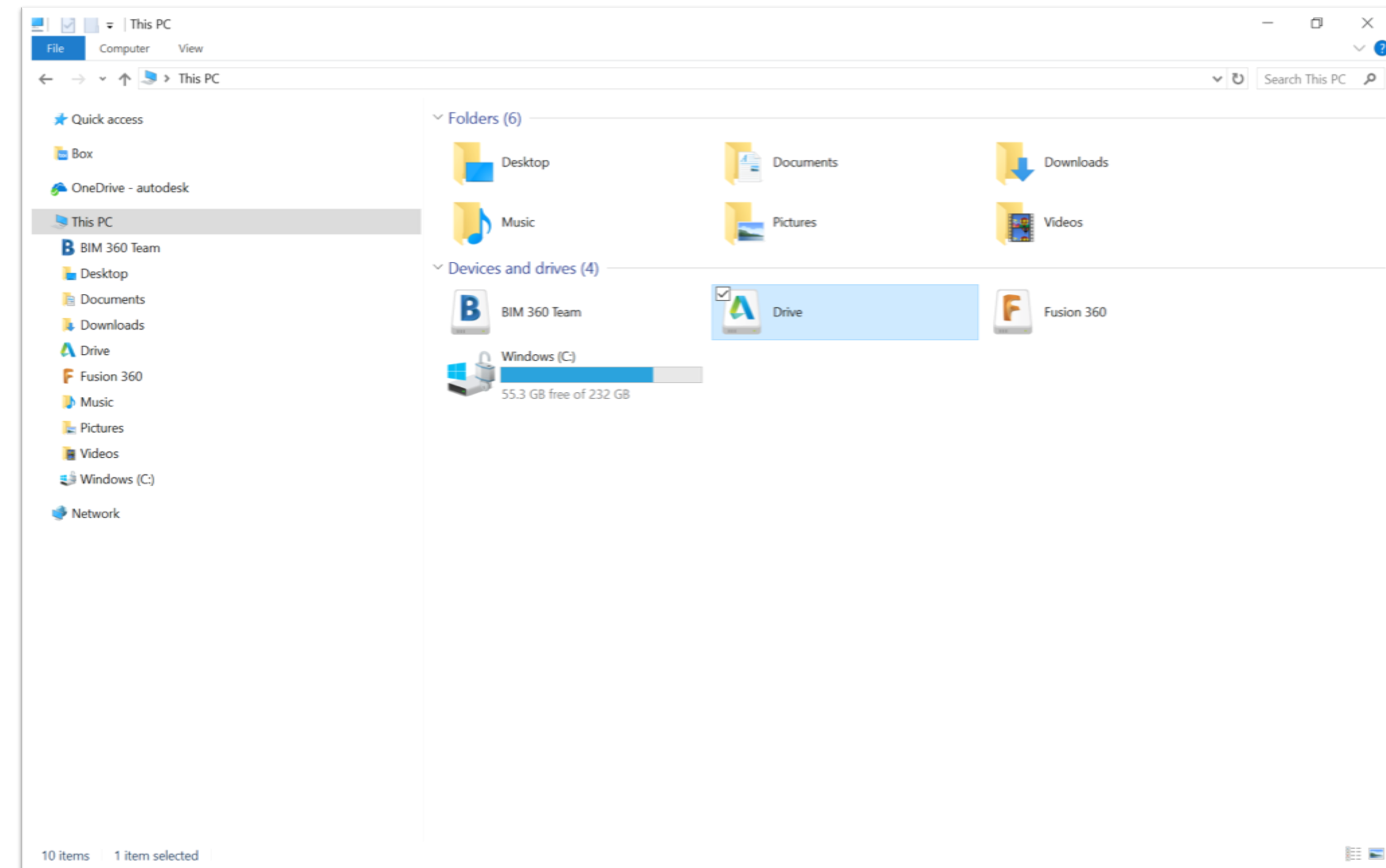


Drive and Desktop Connector

Web Access



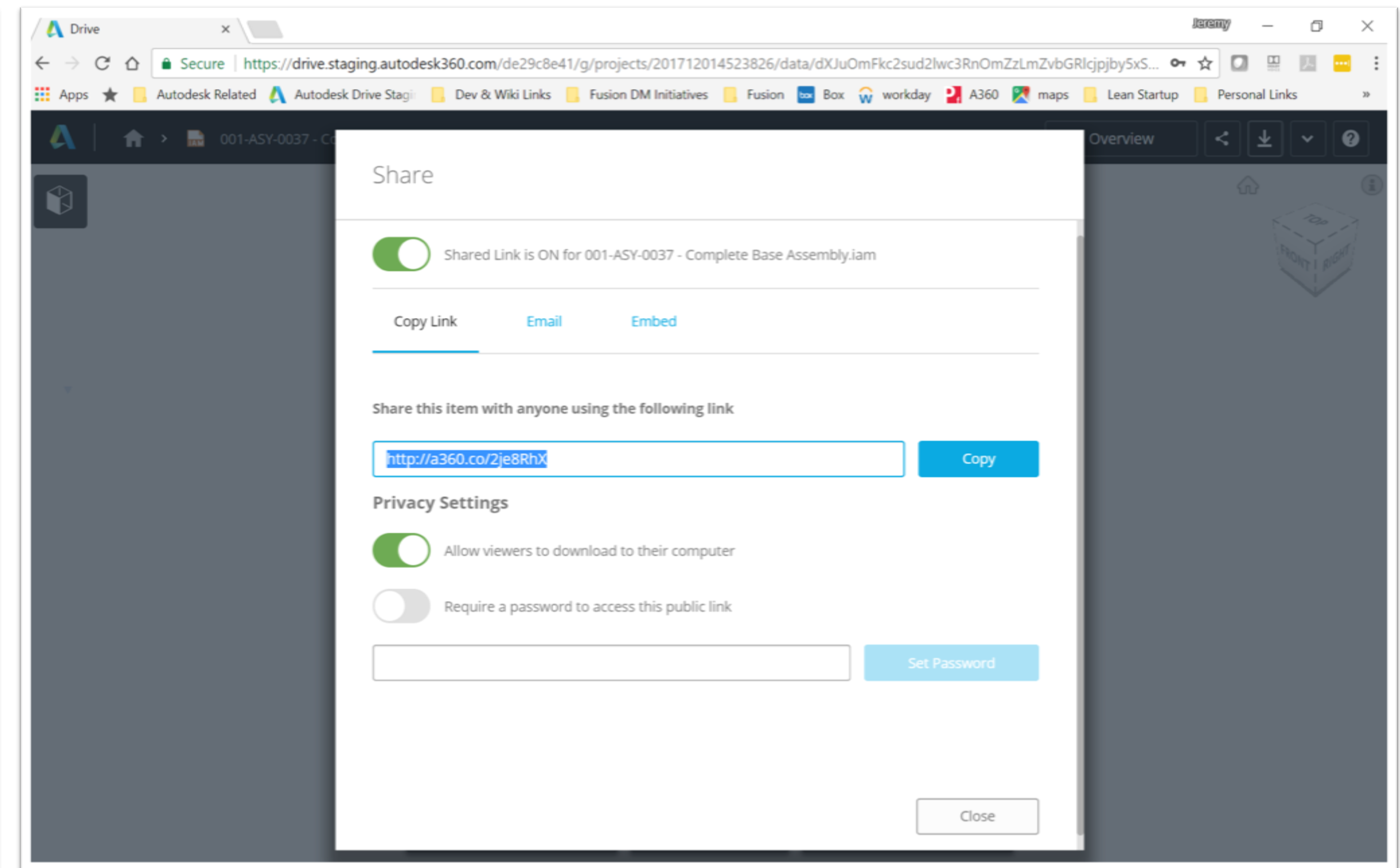
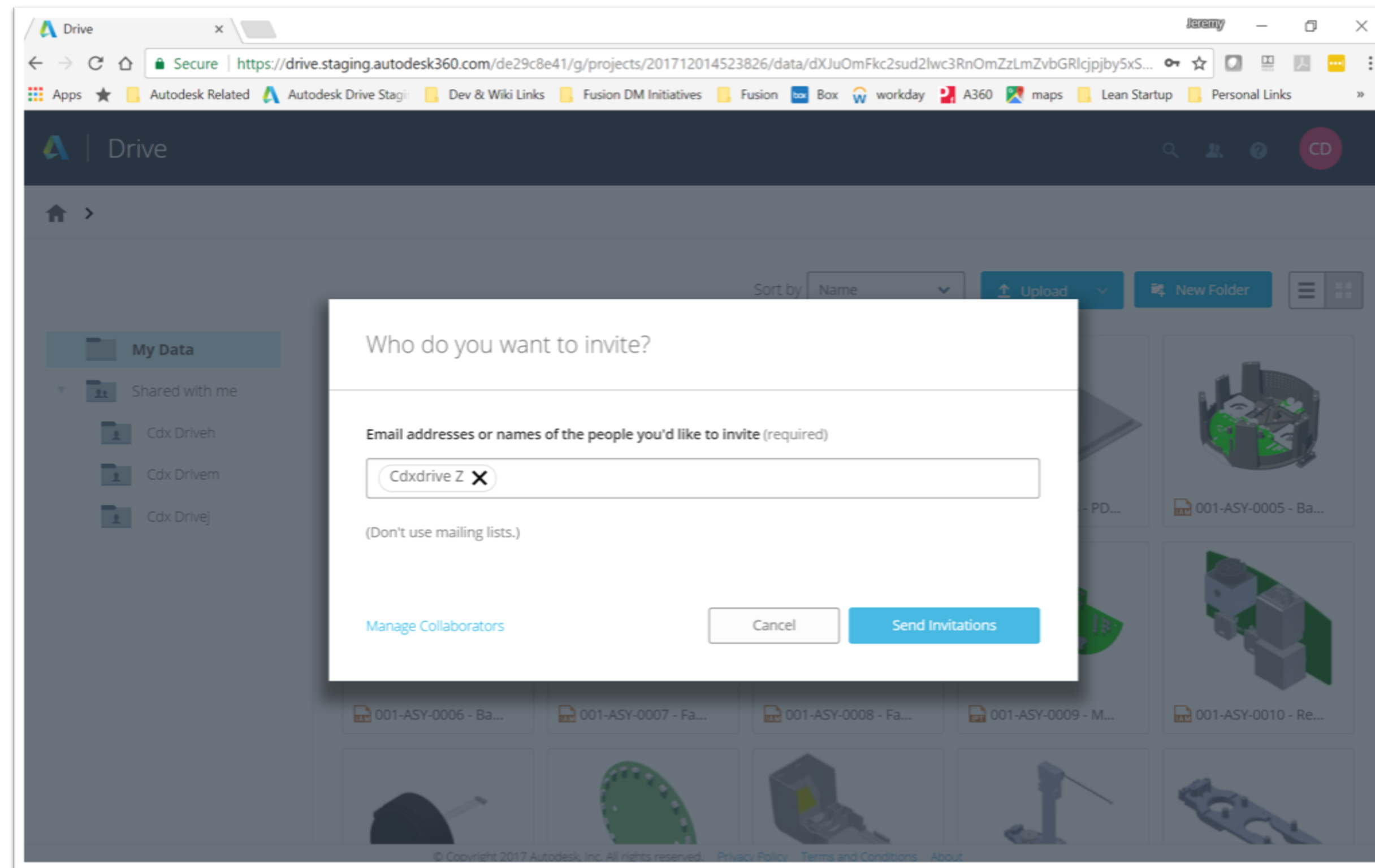
Desktop Access



Key Benefit: Sharing with Colleagues & Stakeholders

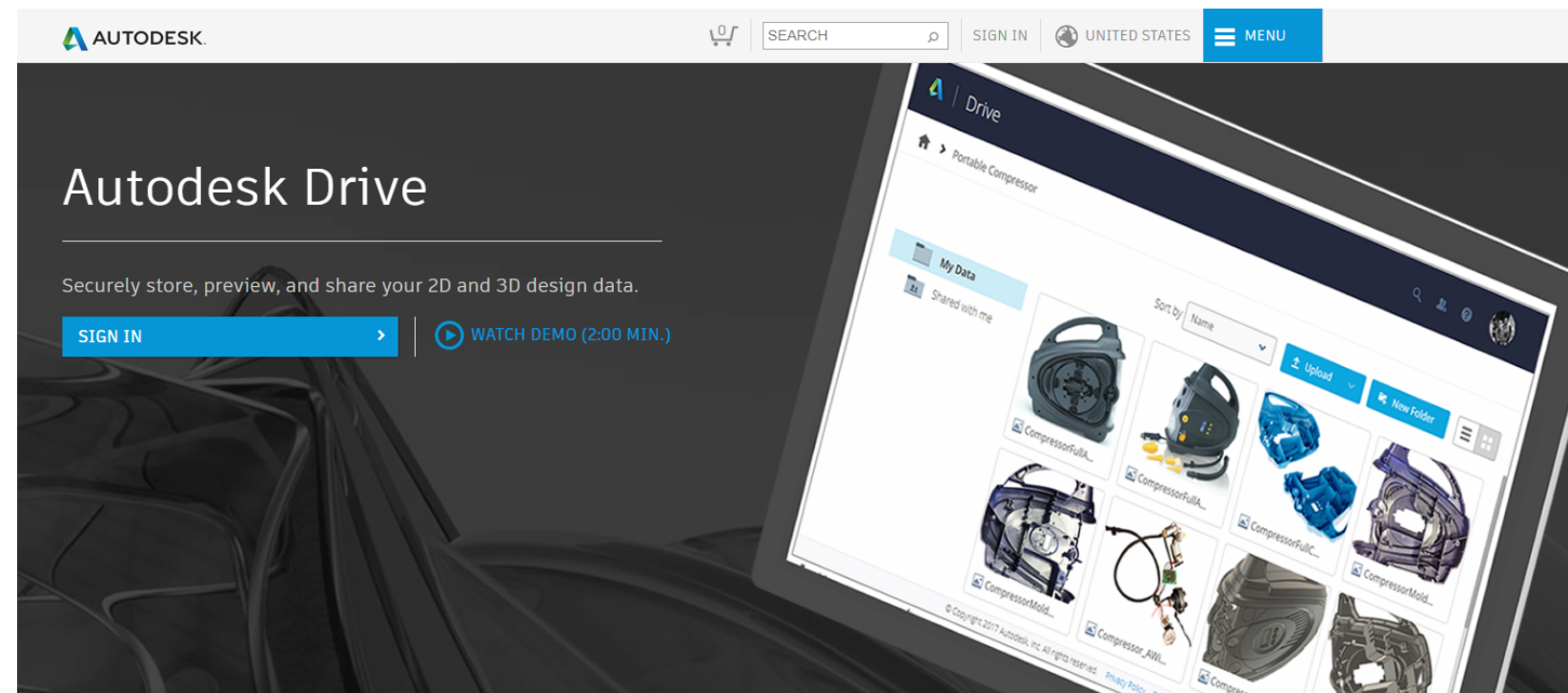
Data Sharing

View Sharing & Downloading

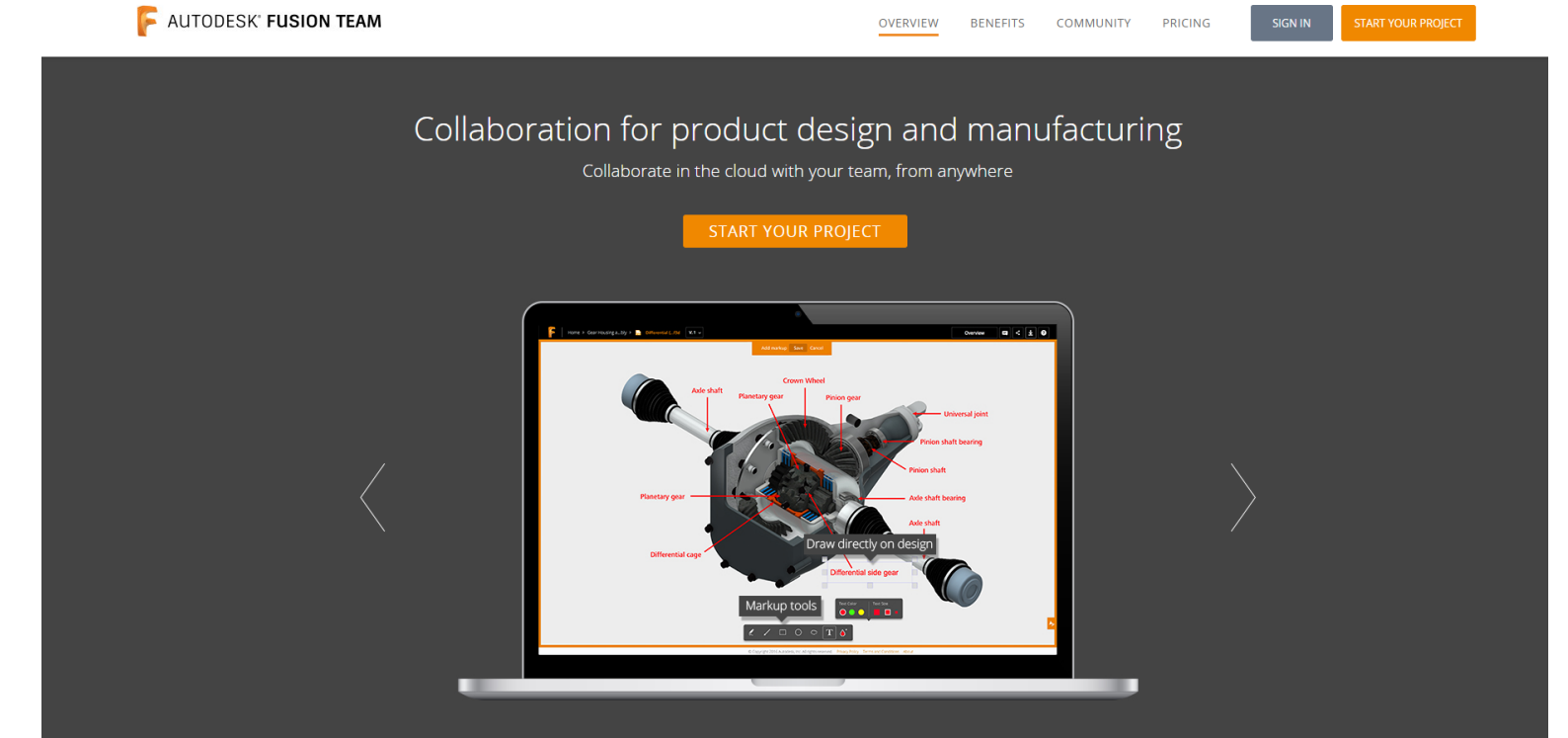


Autodesk Drive & Fusion Team

Positioning Comparison



- Subscription benefit for individual
- 25Gb of storage
- Simple solution, low barrier to entry
- Design sharing with customers/stakeholders
- More details [here](#)



- Commercial solution for teams
- 500Gb of storage per user
- Project based administration with permission models
- Design collaboration with markup, commenting, and live review
- Integrates with Fusion 360 & AnyCAD
- More details [here](#)

- Relationships
- Representations
- Origin
- 6272-XX-1-EP:1
- 6269-X-EP:1
- 6273-C-XX-XX:1
- 6272-Flex Shaft:1
- 52330100:1
- 6271-C-XX-XX:1
- 6274-182-EX:1
- 62240100:1
- 2X.188 U-DRIVE SCREW:2
- 2X.188 U-DRIVE SCREW:4
- 2X.188 U-DRIVE SCREW:5
- 2X.188 U-DRIVE SCREW:6
- 90123031CE:1
- 90123031CE:2
- 90123031CE:3
- 90123031CE:4
- 52867700:1

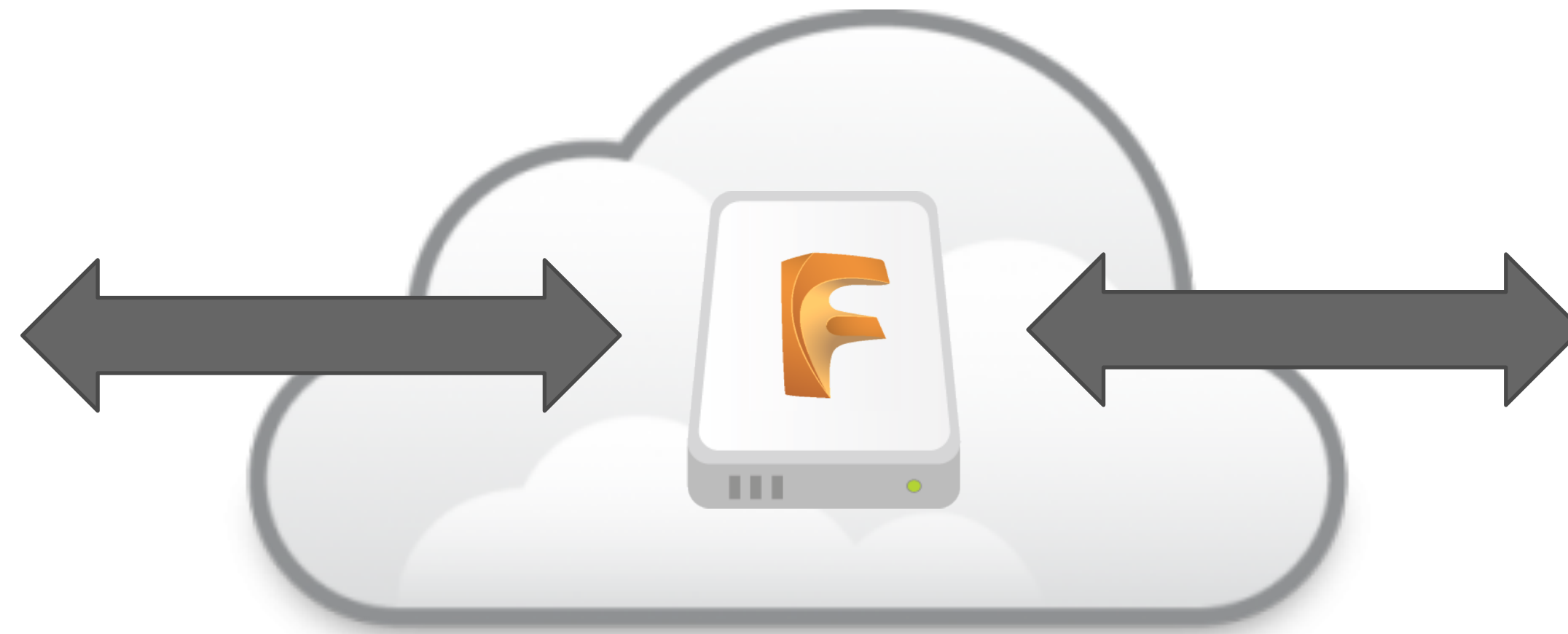
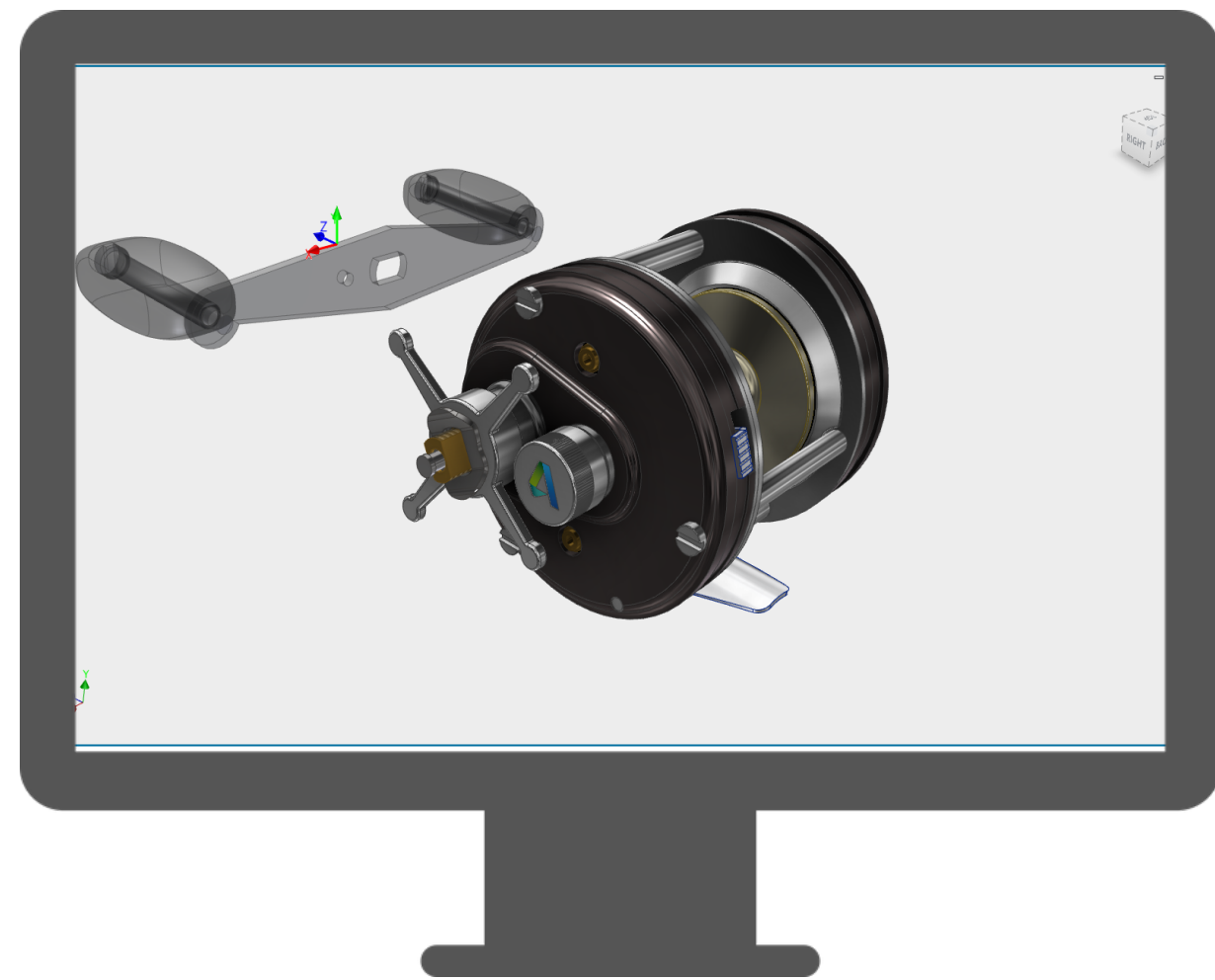


Inventor and Fusion 360 AnyCAD



Inventor and Fusion 360 AnyCAD

**AUTODESK®
INVENTOR®**

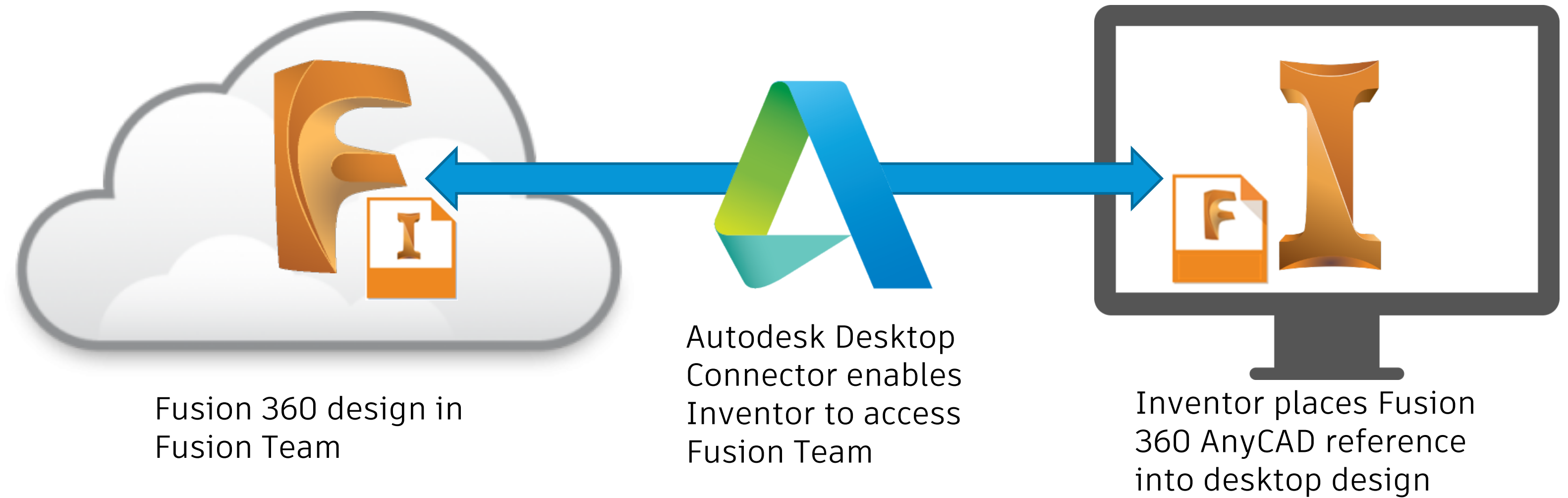


**AUTODESK®
FUSION 360™**



How does it work?

- Insert .fusiondesign into Inventor
 - Consume updates
- Insert .ipt into Fusion 360
 - Consume updates



Autodesk Desktop Connector

Download from Fusion Team

The screenshot displays the Autodesk Desktop Connector web interface. At the top, a dark blue header bar contains the Autodesk logo, the text "Team Shared Data", and navigation icons for search, clock, notifications (3), and help. Below the header, a navigation bar includes tabs for "PINNED", "ALL", "OWNED BY ME", "SHARED WITH ME", and "ARCHIVED", along with a "Create Project" button. The main content area features a list of items on the left, including "AU2017 - CP122622", "Inventor and Fusion360 AnyCAD", "Inventor and Fusion360 AnyCAD", "Shared Data", and "Test Area". A large modal window is open in the center, displaying the Autodesk Desktop Connector logo and the text "Welcome to Autodesk® Desktop Connector". Below the logo, it states "Desktop Connector installed successfully. You are only a click away from accessing your stuff." and provides a list of actions: Cut, Copy, Paste, Delete, and Move. A red rectangle highlights the "Desktop Connector for Fusion" option in the right-hand sidebar. The sidebar also shows the user's profile (Loren Welch) and a list of teams, including "Team Harry Zhang", "Team Connected Desktop", "Team Autodesk", "Loren Welch", and "Team Kevin Durham". At the bottom, a footer bar contains copyright information and links to "Privacy Policy", "Terms and Conditions", and "About".

Team Shared Data

PINNED | ALL | OWNED BY ME | SHARED WITH ME | ARCHIVED

Create Project

Name Created By Created On

AU2017 - CP122622

Inventor and Fusion360 AnyCAD

Inventor and Fusion360 AnyCAD

Shared Data

Test Area

Welcome to Autodesk® Desktop Connector

Desktop Connector installed successfully.
You are only a click away from accessing your stuff.

Cut
Copy
Paste
Delete
Move

Manage remote files from your desktop.

Team Shared Data
autodesk1837.autodesk360.com

Team Harry Zhang
autodesk1865.autodesk360.com

Team Connected Desktop
autodesk1823.autodesk360.com

Team Autodesk
autodesk2740.autodesk360.com

Loren Welch
myhub.autodesk360.com

Team Kevin Durham

Desktop Connector for Fusion

Sign Out

M-CH-1138.ipt

Loren Welch commented

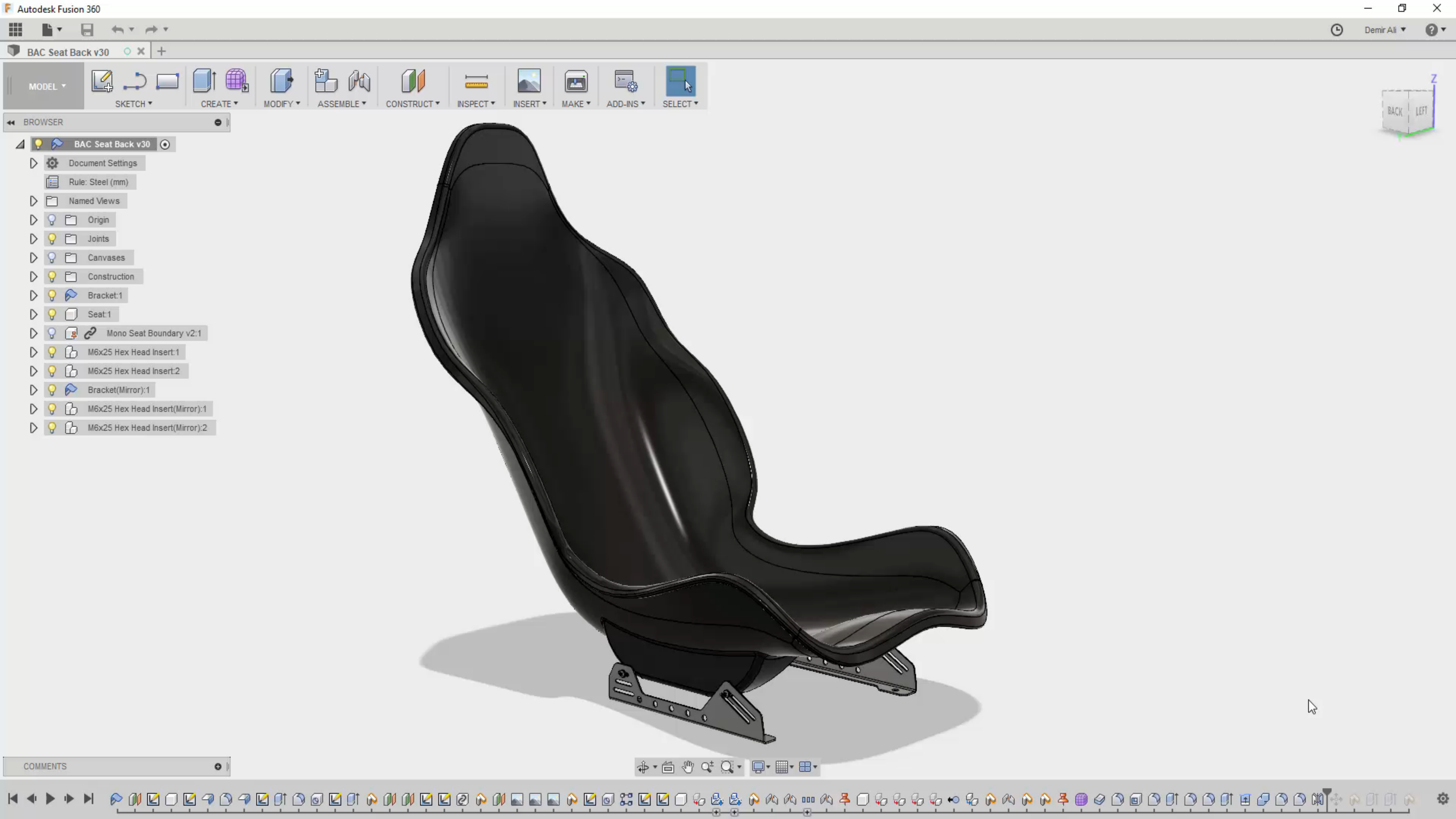
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Inventor and Fusion 360 AnyCAD Preview



- Conceptual design
- Industrial design
- Mesh & reverse engineering
- Advanced SIM
- Advanced CAM
- ECAD with Fusion 360+ Eagle

- Large assembly design
- Mechanical design (frames, machinery, adv sheet metal, routed systems)
- BIM content creation
- Design automation
- Factory layout

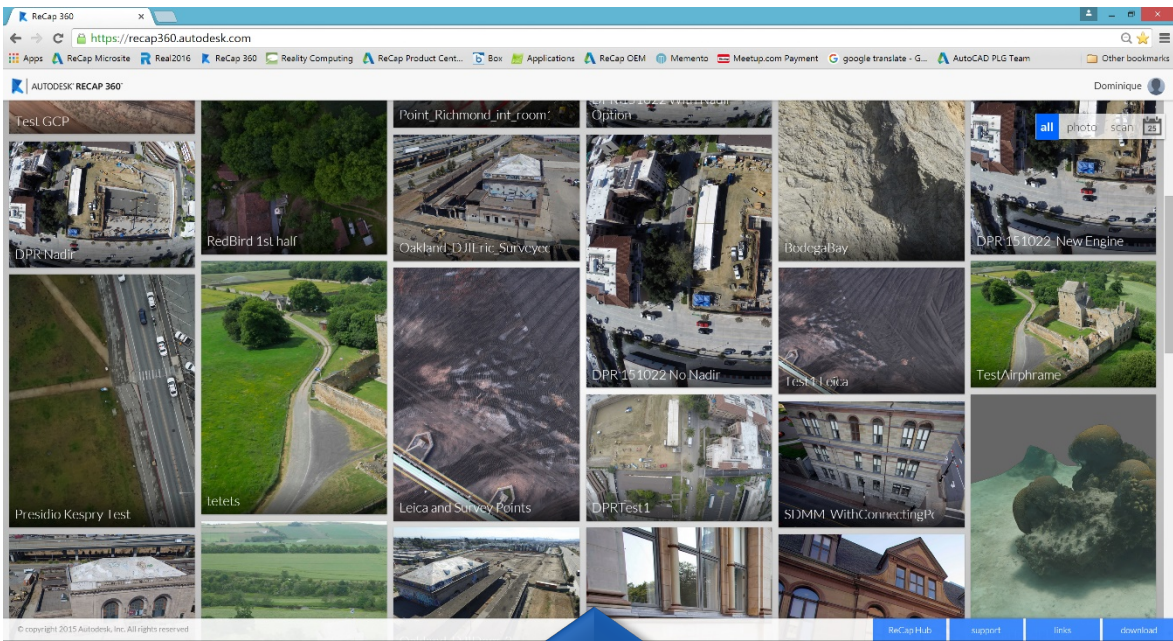




Laser scanning in ReCap Pro



Scans



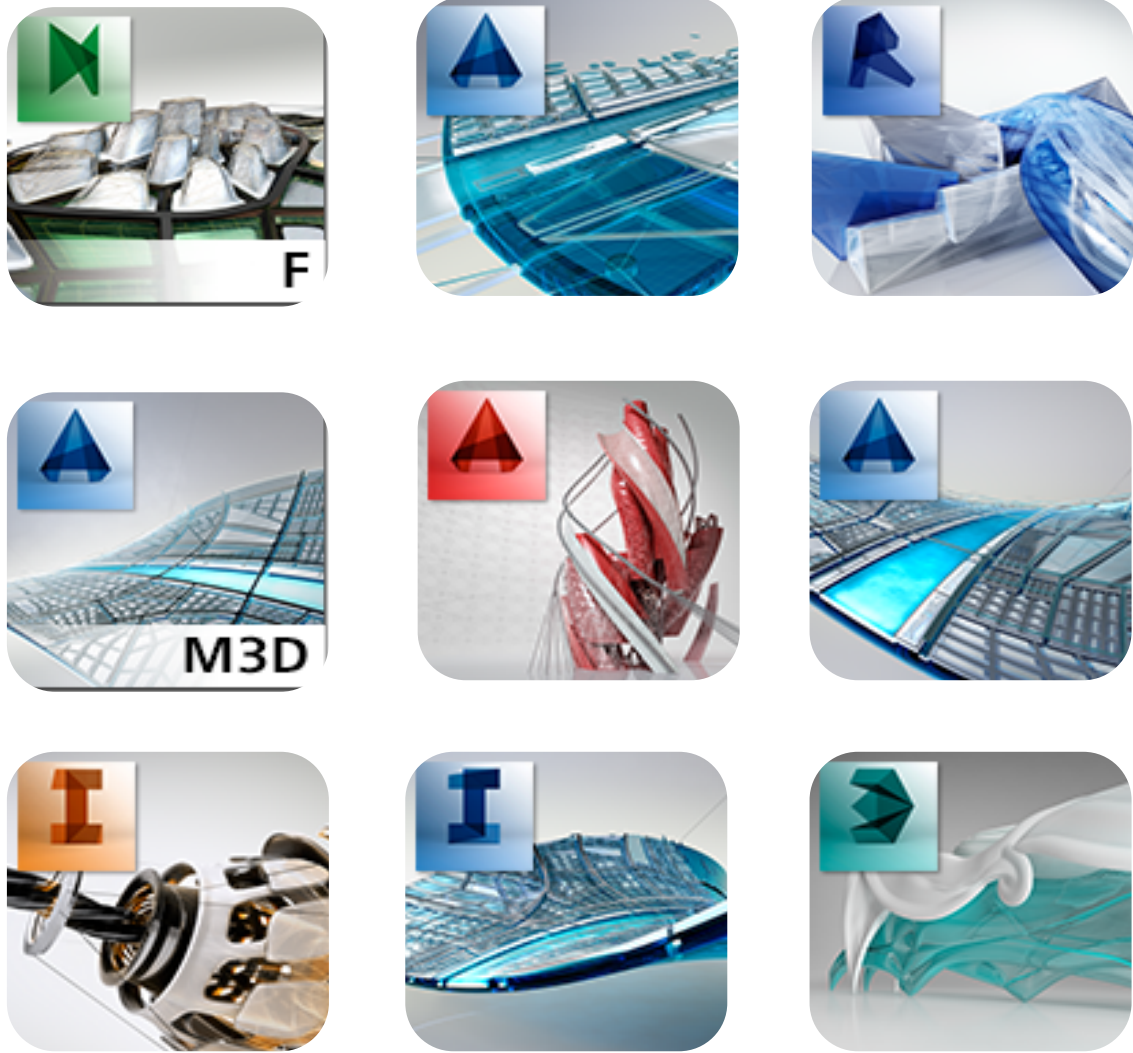
Point clouds



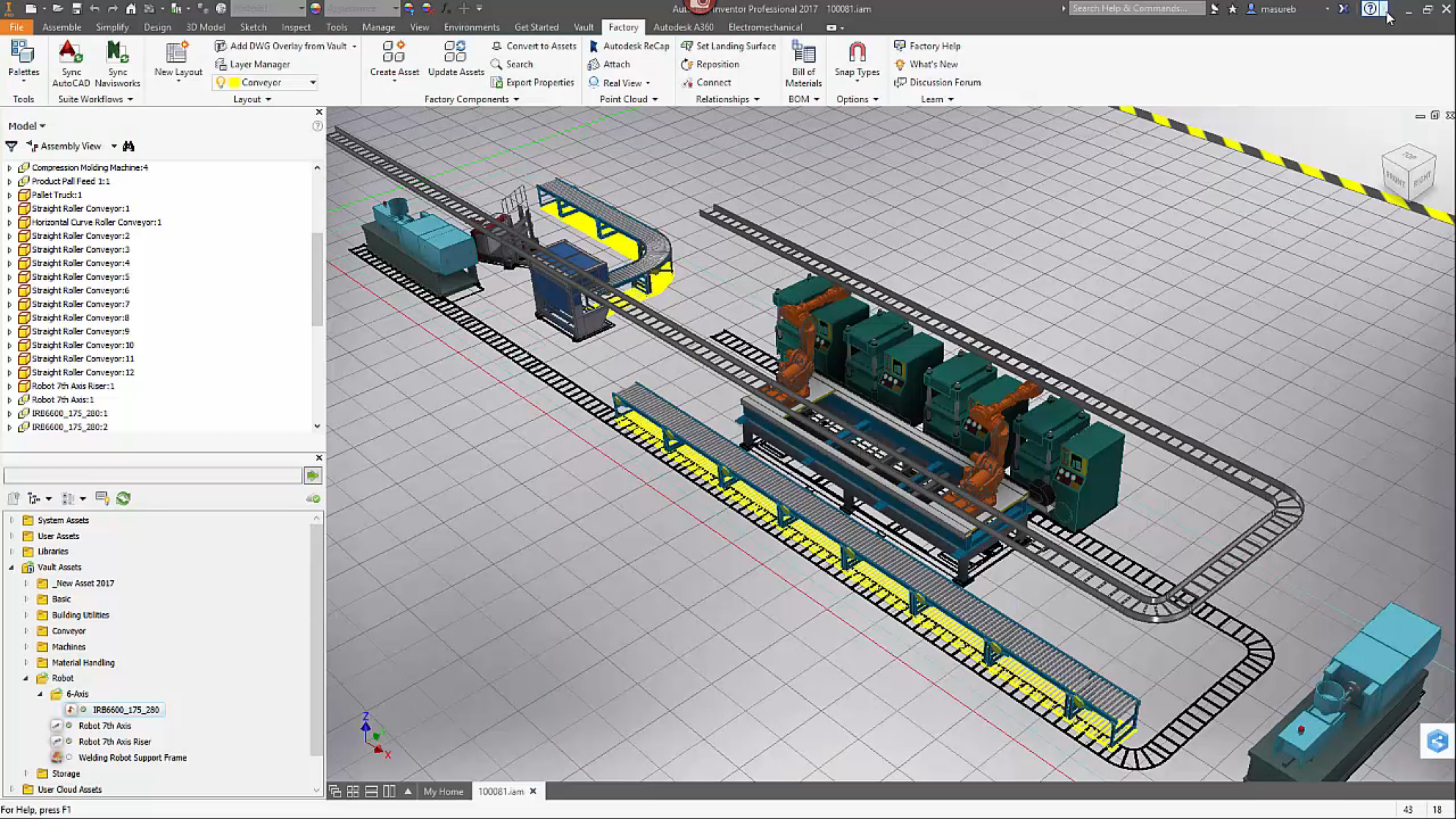
3D meshes

AUTODESK® RECAP™ PHOTO

3D meshes







Acquiring data

 AUTODESK® RECAP™ PRO



CAPTURE



COMPUTE



CREATE



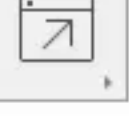
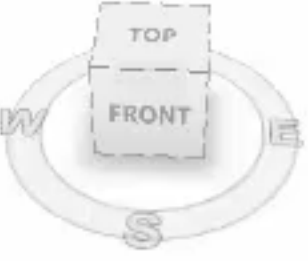
Dashboard

Editor

shoe.rcm - ReCap Photo

Education license

matteo.crocetti@auto...



MODEL

SKETCH

CREATE

MODIFY

ASSEMBLE

CONSTRUCT

INSPECT

INSERT

MAKE

ADD-INS

SELECT

EXACTFLAT

SHAFT

BROWSER

(Unsaved)

Named Views

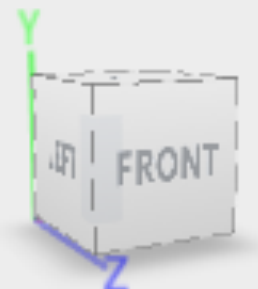
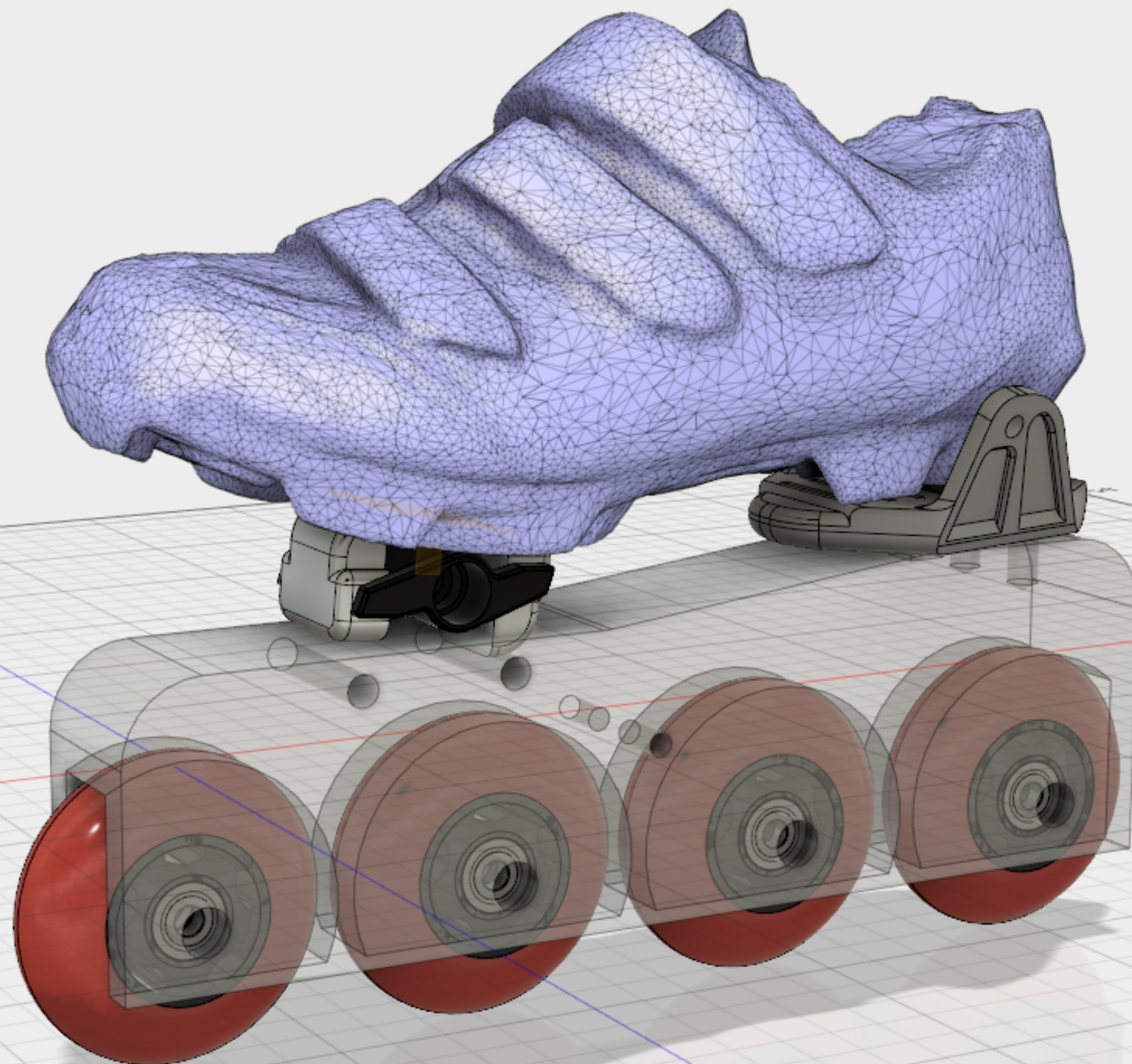
Units: mm

Origin

COMMENTS

BROWSER

- model_3d_printing_Ger...
- Named Views
- Units: mm
- Origin
- Analysis
- Joints
- Bodies
- Decals
- Sketches
- Construction
- FDM opt structure:1
- SX Flange:1
- DX Flange:1
- Heel:1
- generative structure:1
- Commercial component:1
- wheel v2:1
- wheel v2:2
- wheel v2:3
- wheel v2:4
- pedal_connection v1:1
- shoe v1:1
- 90249A225:2



Recap Photo

- No need of credits with Subscription
 - 1 to 300 photos will use 12 cloud credits.
 - 301 to 700 photos will use 30 cloud credits.
 - 701 to 1,000 photos will use 55 cloud credits.
- Upload limit 300 photos for Object
- Upload limit 1000 photos for Aerial Project
- Credit consumption



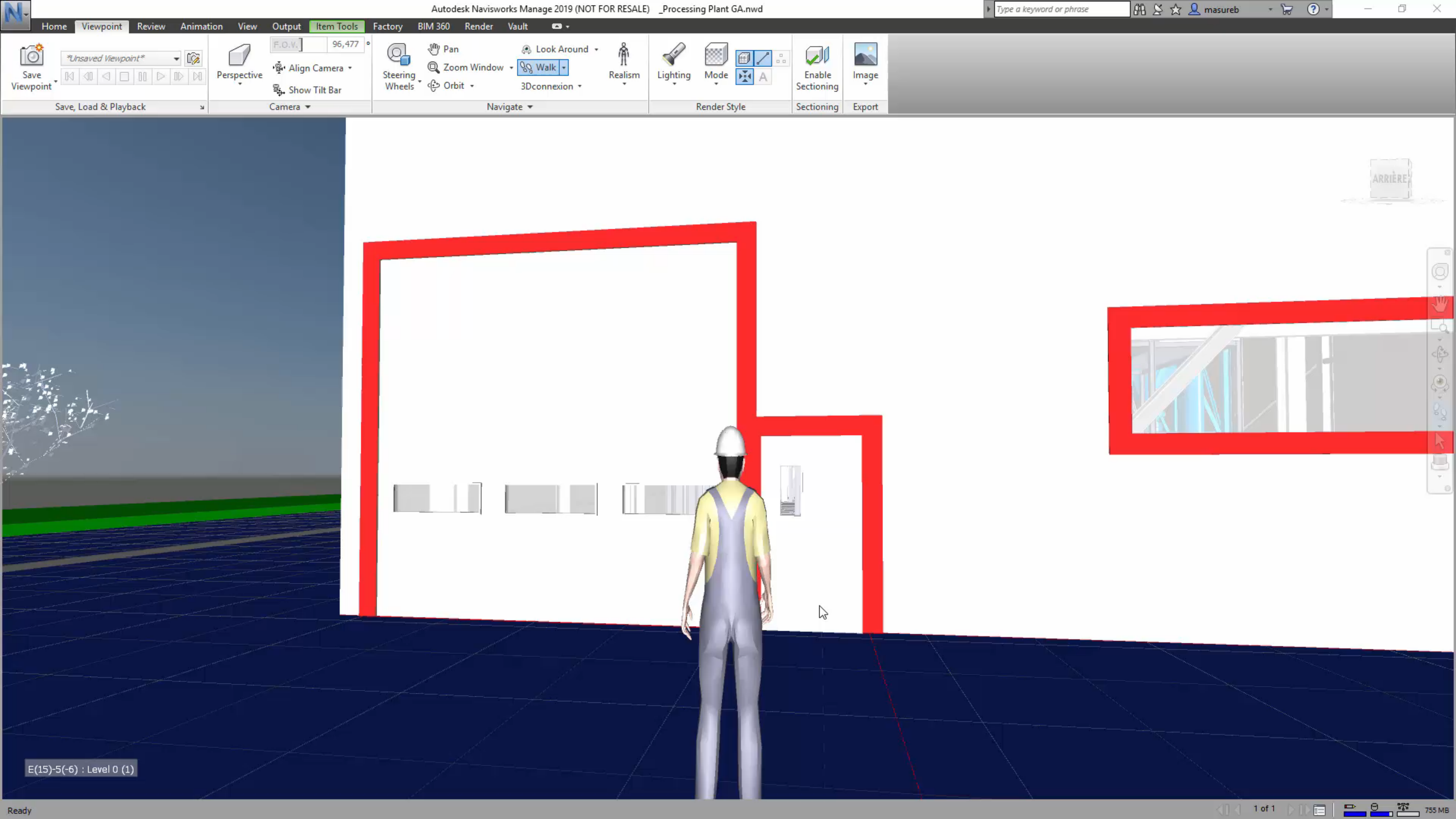


AUTODESK. RENDERING

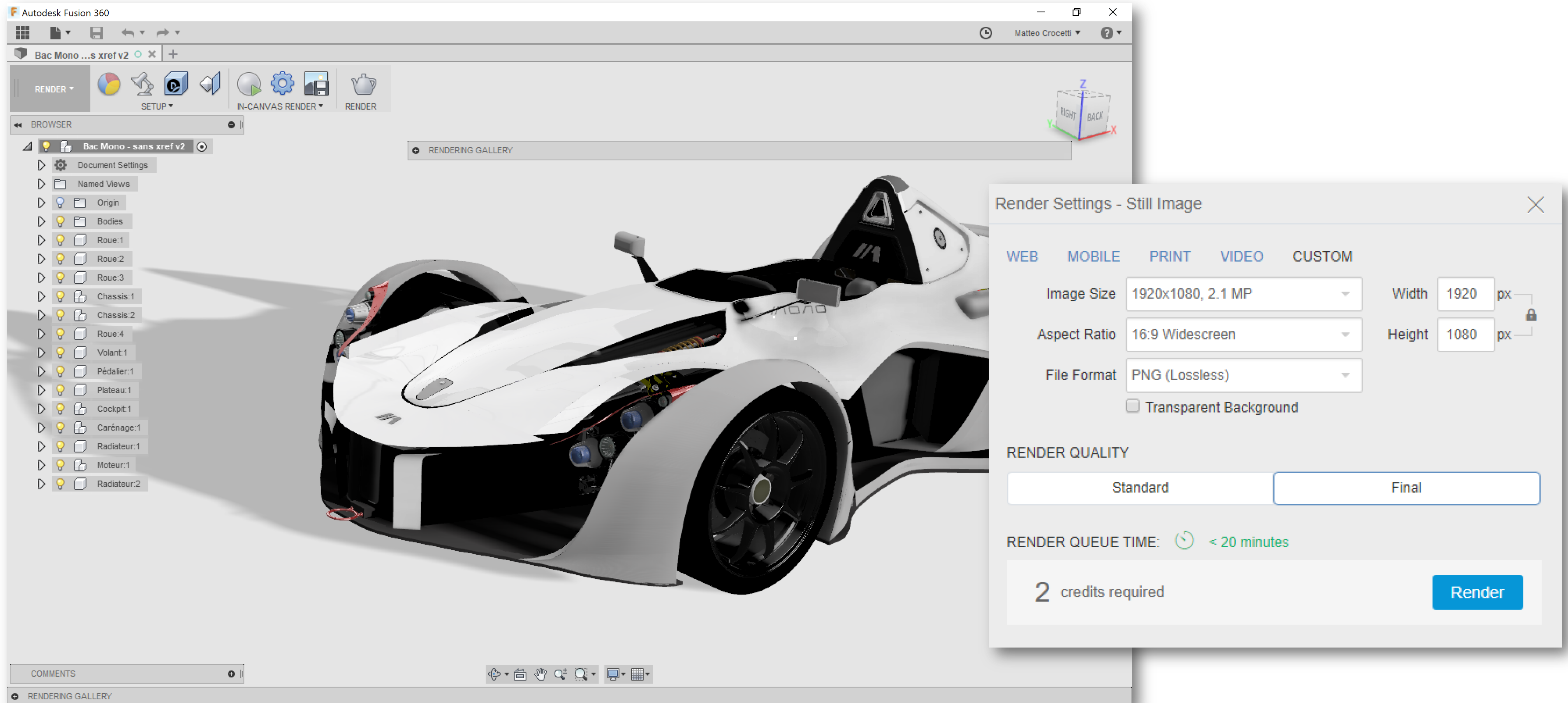
Supported Application







How to use it – Credits base service



Autodesk Account

How to buy credits

My Renderings - Autodesk

Autodesk - Account

https://manage.autodesk.com/cep/#reporting/cloud-usage/individual

AppAutodeskBoxLinkedInExpense CenterAutodesk TrainingsTraining setupNew TabVR Center of ExcellenceGroup: Technical SaleGroup: ATDK Italian TCloudPC

Mostra app

AUTODESK.ACCOUNT

PROFILEMANAGEMENT

SupportMatteo Crocetti

REPORTING

Cloud Services Usage

Cloud Services Usage

Individual Cloud Credits

Individual Usage

As an assigned user you get 100 individual cloud credits.

0 Used100 Remaining

Get individual credits

Usage by Service

No cloud credits used on any service

Access your cloud servicesTry and learn more

A360

Storage

Subscription, Student Access2.1 GB Used497.9 GB of 500 GB Available

Access Now

AUTODESK.

Add Cloud Credits 100 pack

Live Chat SupportNeed help?

Cloud Credits 100 pack - €140,00

Purchase additional usage-based cloud credits for creating large photorealistic renderings or performing compute-intensive simulations in the cloud. Cloud credits expire 12 months from purchase.

Quantity1/100 Pack

Cloud Credits 100 pack Qty 1 (100 pack) €115,00

Subtotal ex. VAT €115,00

Estimated Total VAT €25,30

Subtotal €140,30

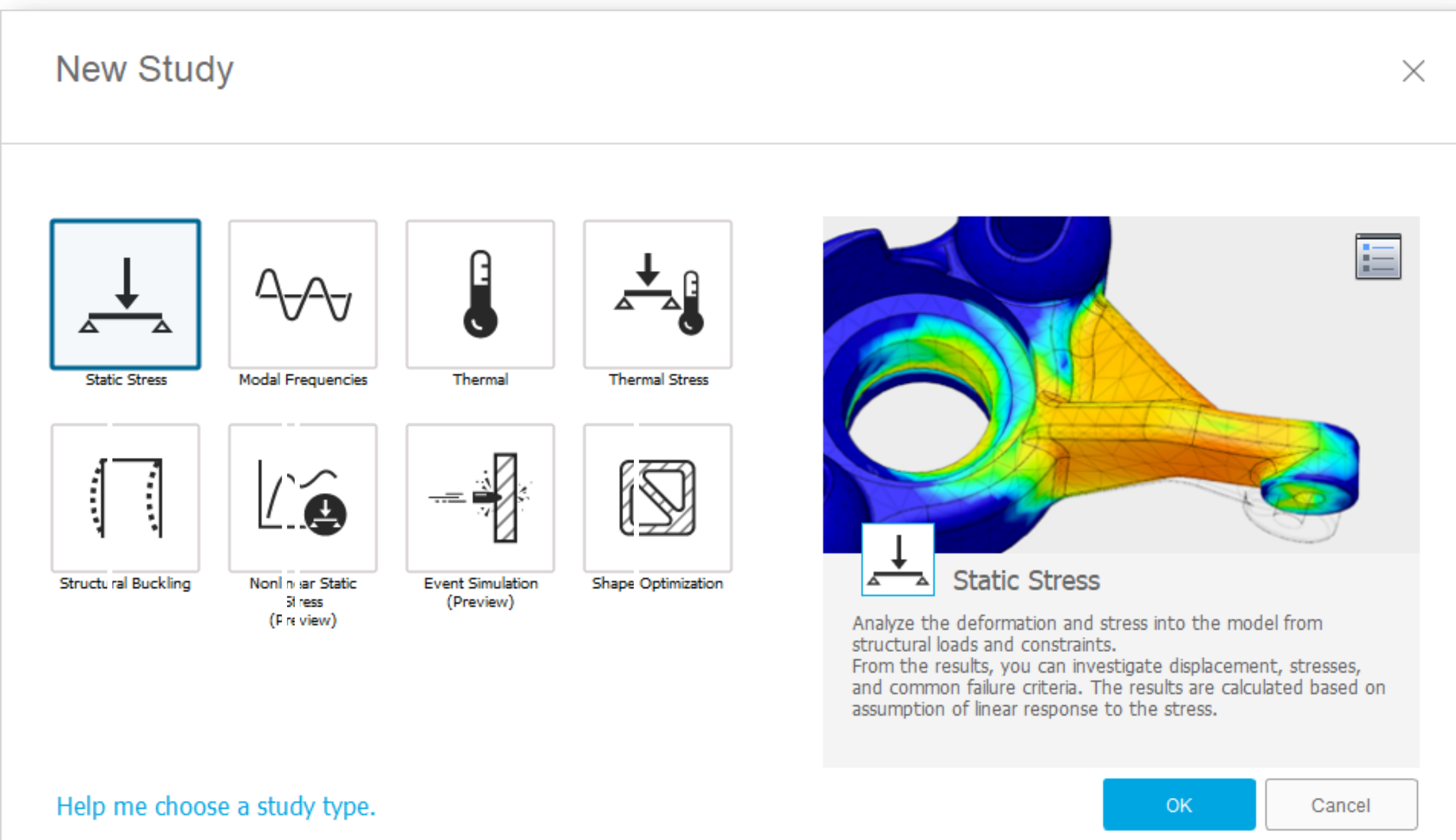
Continue

Fusion 360 Cloud Solving



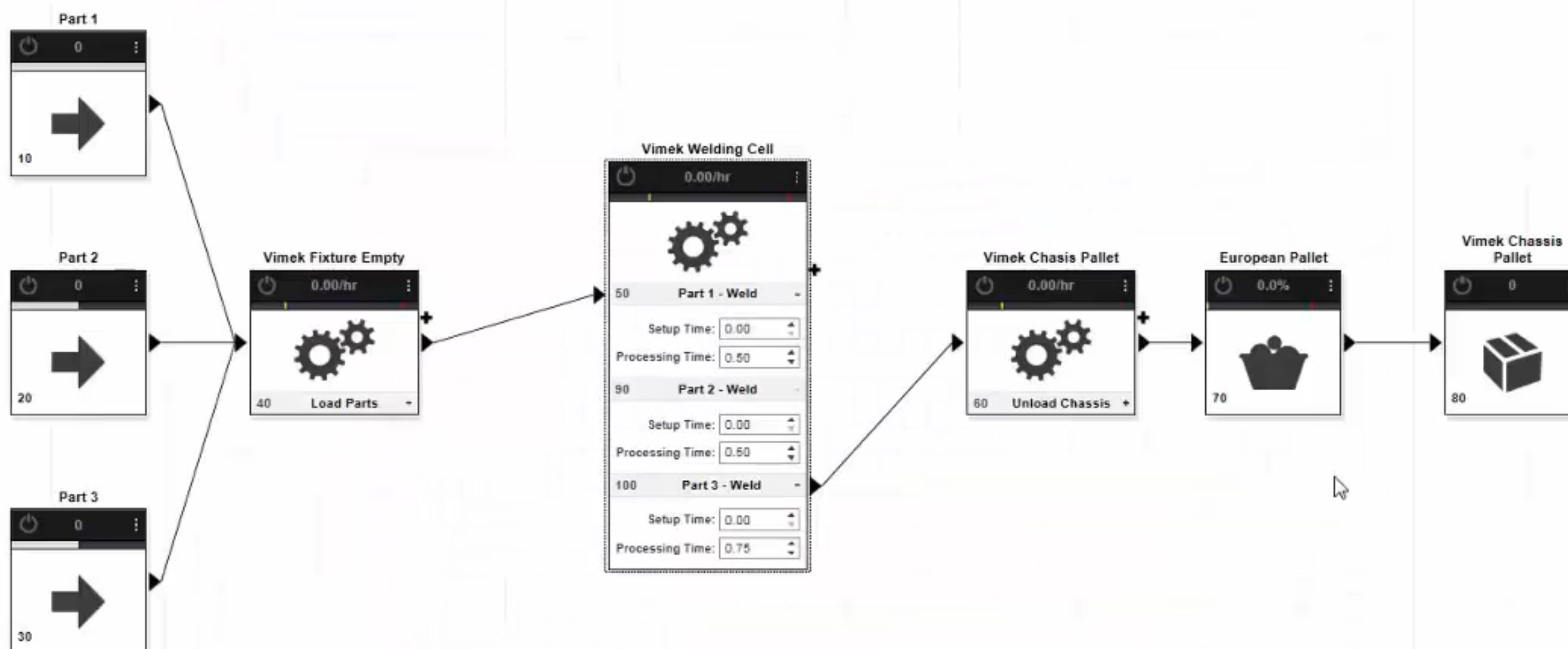
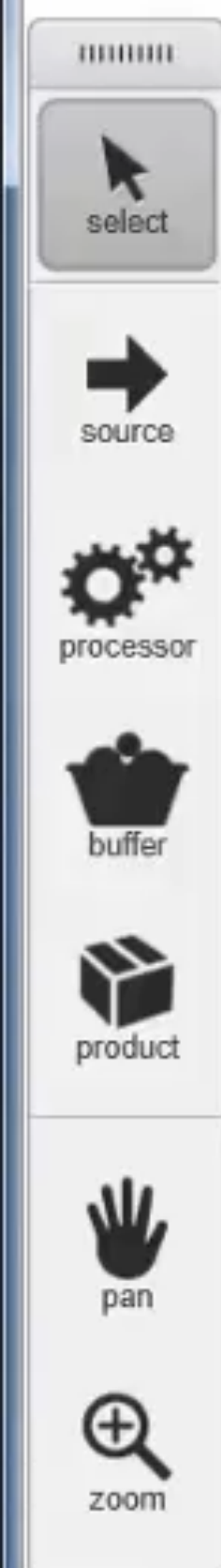
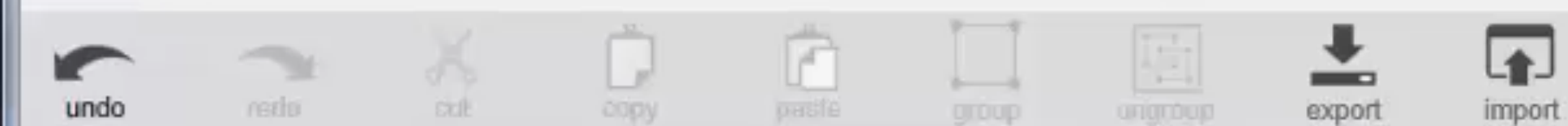
Cloud Credits

How is it consumed...



- Simulation Credits
 - 5 Credits Cloud
 - 15 Credits Cloud
 - Free Credit Cloud as a preview
- Rendering Credit
 - 1 Cloud for 1Mo
- More info [here](#).
- For Unlimited Cloud Credit: Associated your account with a student one!
 - More info [here](#)

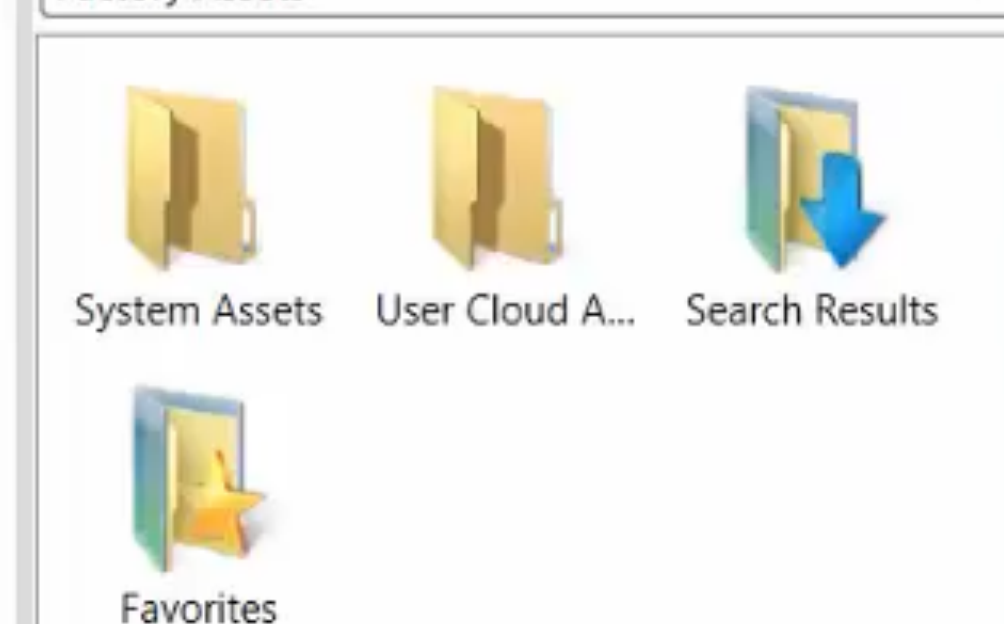




Factory Assets



Factory Assets



Factory Assets Properties View Settings Settings



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