



Director, Autodesk Cloud Platform (Forge)







About the speaker

Ron Locklin | Director
Forge Strategy & Marketing

Ron Locklin is responsible for the global business management for the Autodesk Cloud Platform (Forge), including strategy, pricing, packaging, partner strategy, sales enablement, and marketing.



The Power of Forge

What is Forge?

How does Forge fit within the "Future of Making" vision?

How can customers Benefit from Forge?

What are examples of Forge's Power?

What should I do next?

Forge: The platform powering the Future of Making

A set of web service APIs* and components that power the future of making.

FORGE IS:



The common SaaS technology stack Autodesk uses to build its own web applications.



APIs* you can use to extend and integrate

Autodesk web applications into your workflows.



Components from our technology stack that you can use in your own web applications.



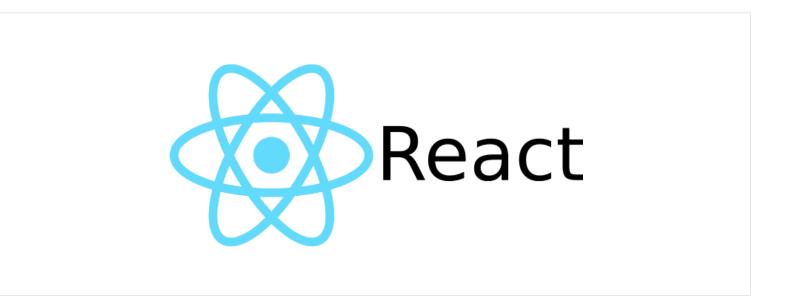
Forge is based on Web Standard Technologies













What is Forge?

SAAS DEV API'S DATA DEVELOPERS

Internal baseline for all SaaS development AND external SaaS platform

Leverage powerful API's to access data

Centered on Forge Data

Target audience

Who uses Forge?

INTERNAL AUTODESK DEVELOPERS **ENTERPRISE ACCOUNTS**

ISV'S

SYSTEMS INTEGRATORS

Identity

Forge data

Security



















Who interacts with Forge?

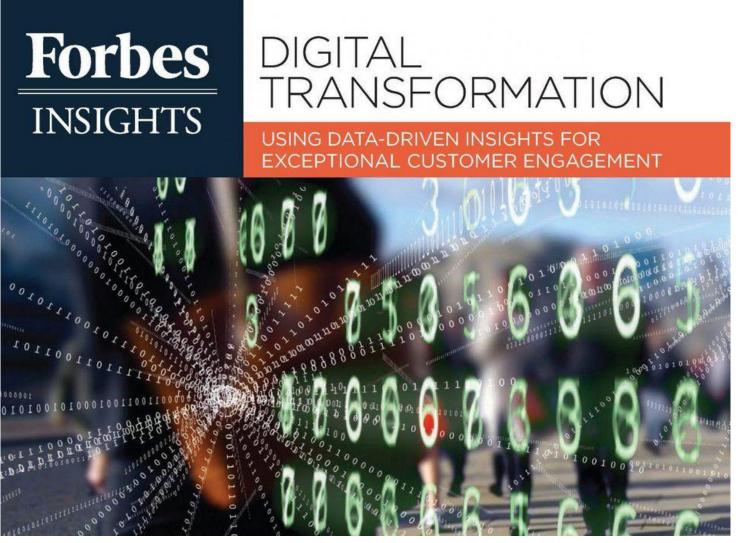
 "ECONOMIC BUYER"
 DEVELOPER OF A FORGE APP
 USER OF THE FORGE APP

 VP of IT, CIO, CEO of a small ISV
 Web apps developers
 e.g. Marketing team using dashboard app

The Economist

The world's most valuable resource is no longer oil, but data





Gartner.
Every Organization
Needs a Digital
Platform Strategy

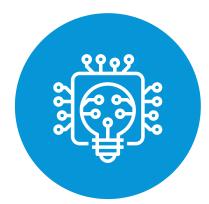




Platforms and Ecosystems: Enabling the Digital Economy



"Digital Transformation"



HBR

the firm around digital operating principle, integrating traditional assets to address new challenges and pursue new opportunities.



MIT SLOAN

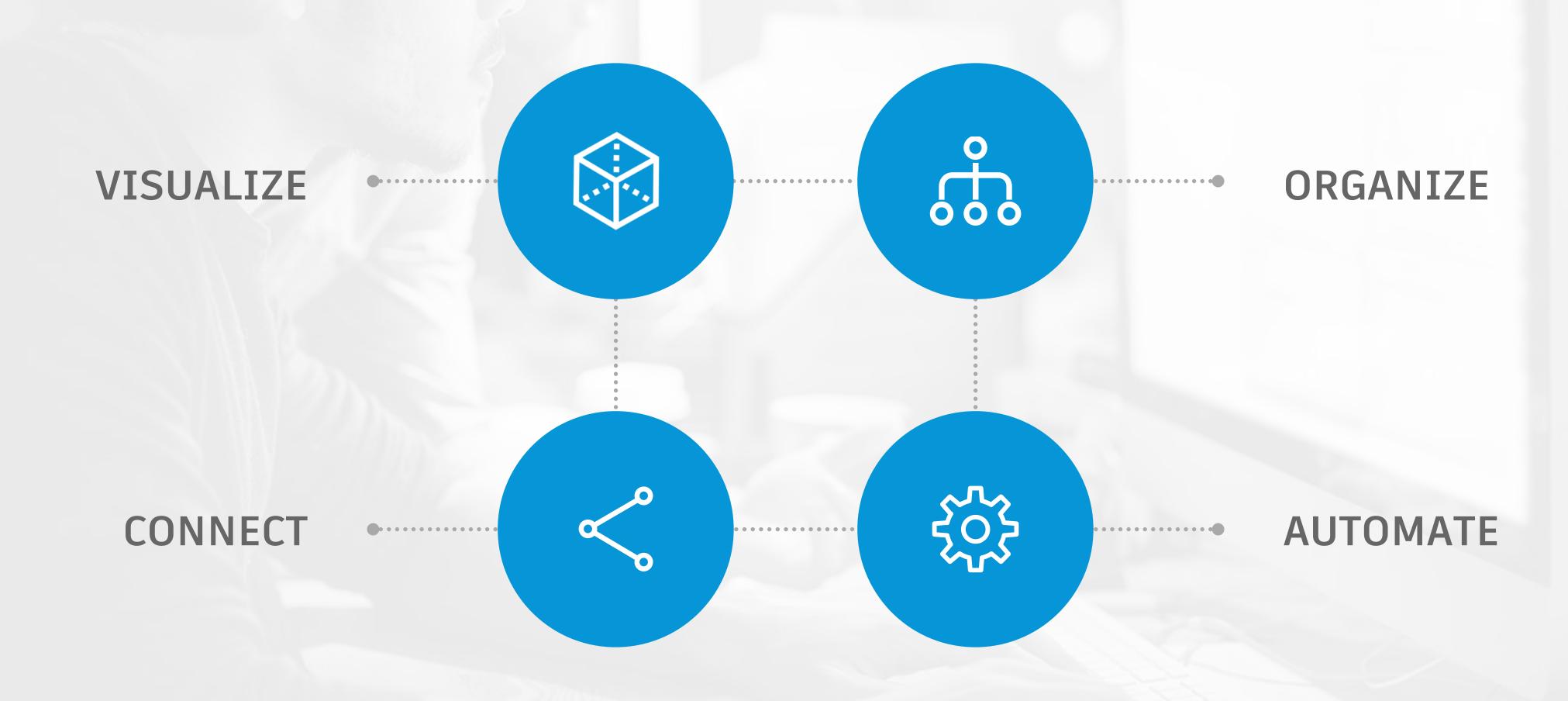
The use of technology to radically improve performance or reach of enterprises



Your Digital Transformation

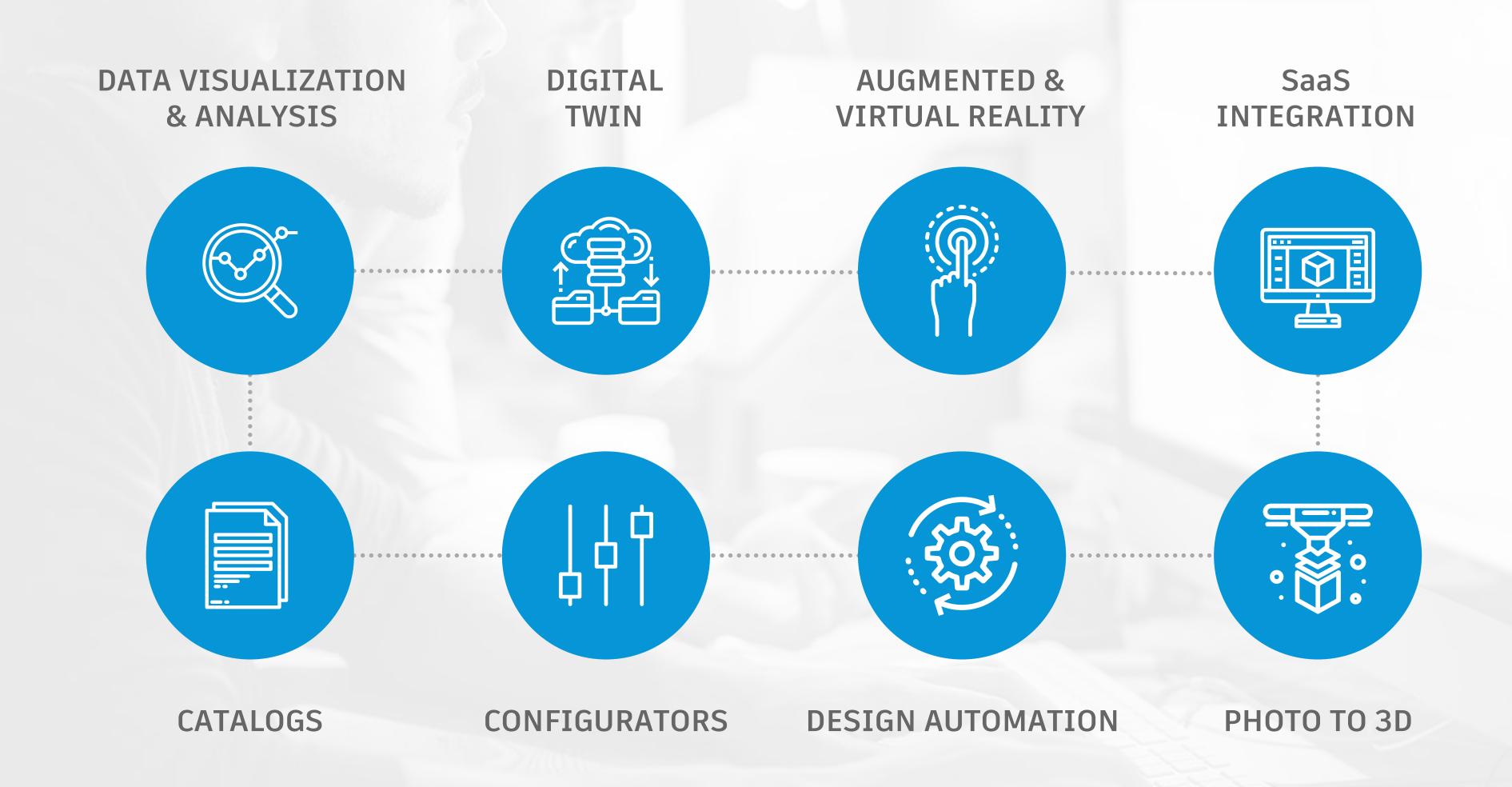


How can Forge enable your Digital Transformation?





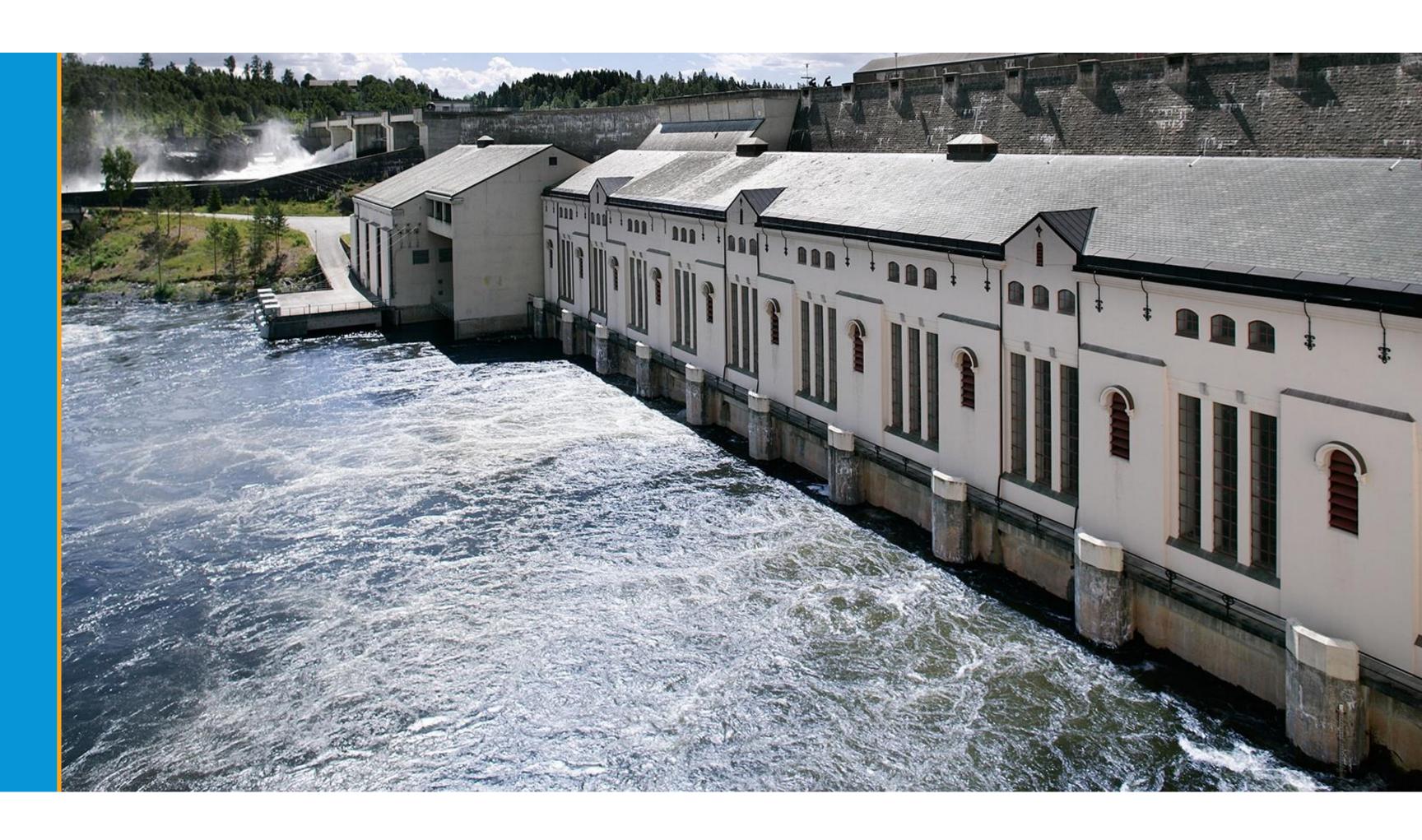
What customers and partners build with Forge



Norconsult **



Enhanced Viewer and Analytics















Visualization and Collaboration



CONNECTED CONSTRUCTION INFORMATION

NBS is an Integrated global platform for everyone involved in the design, supply and construction of the built environment



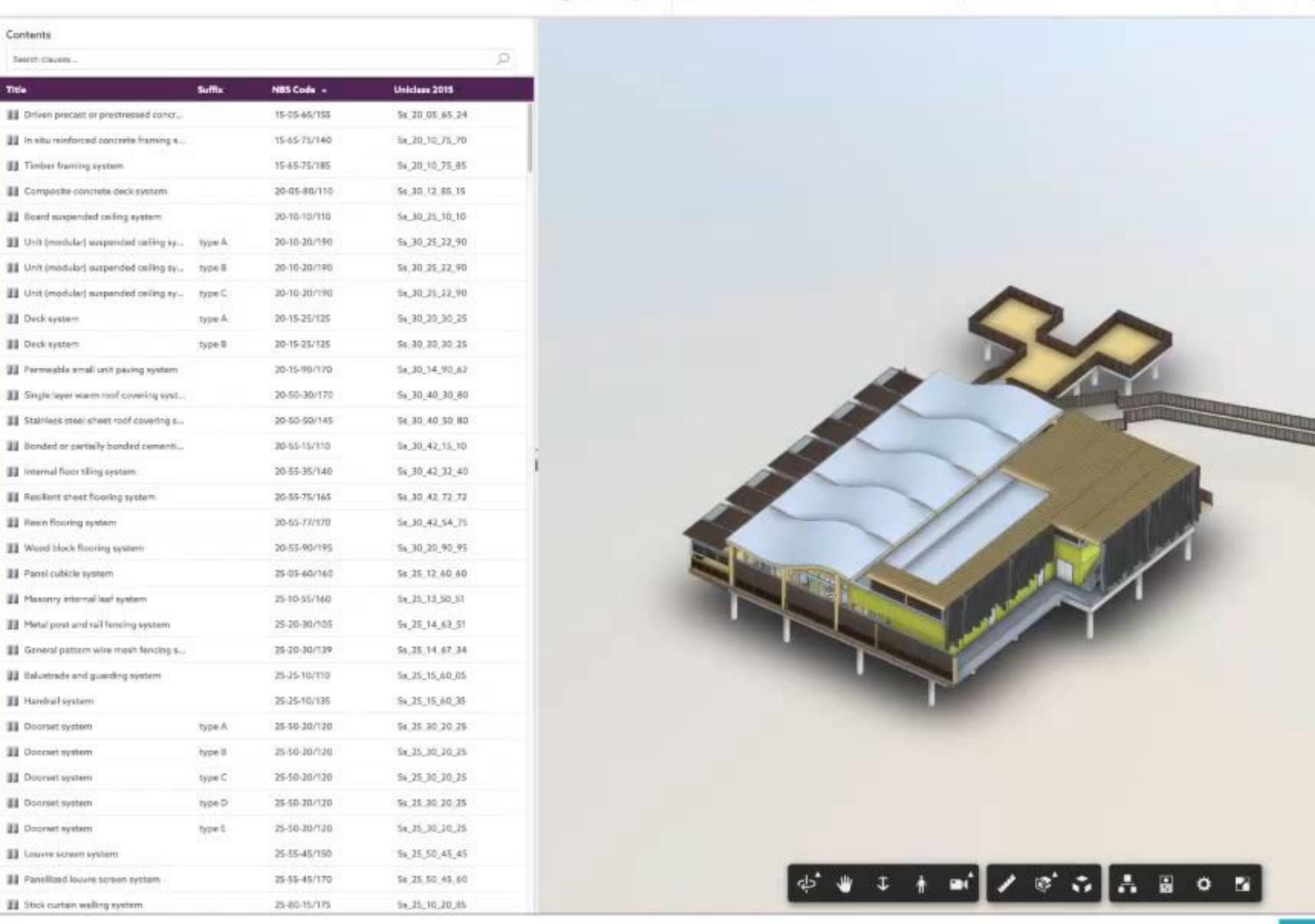
(a) Hack to Project

NBS Viewer

C Files

SUPPORT

2. Participants

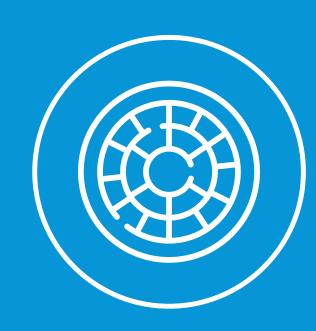




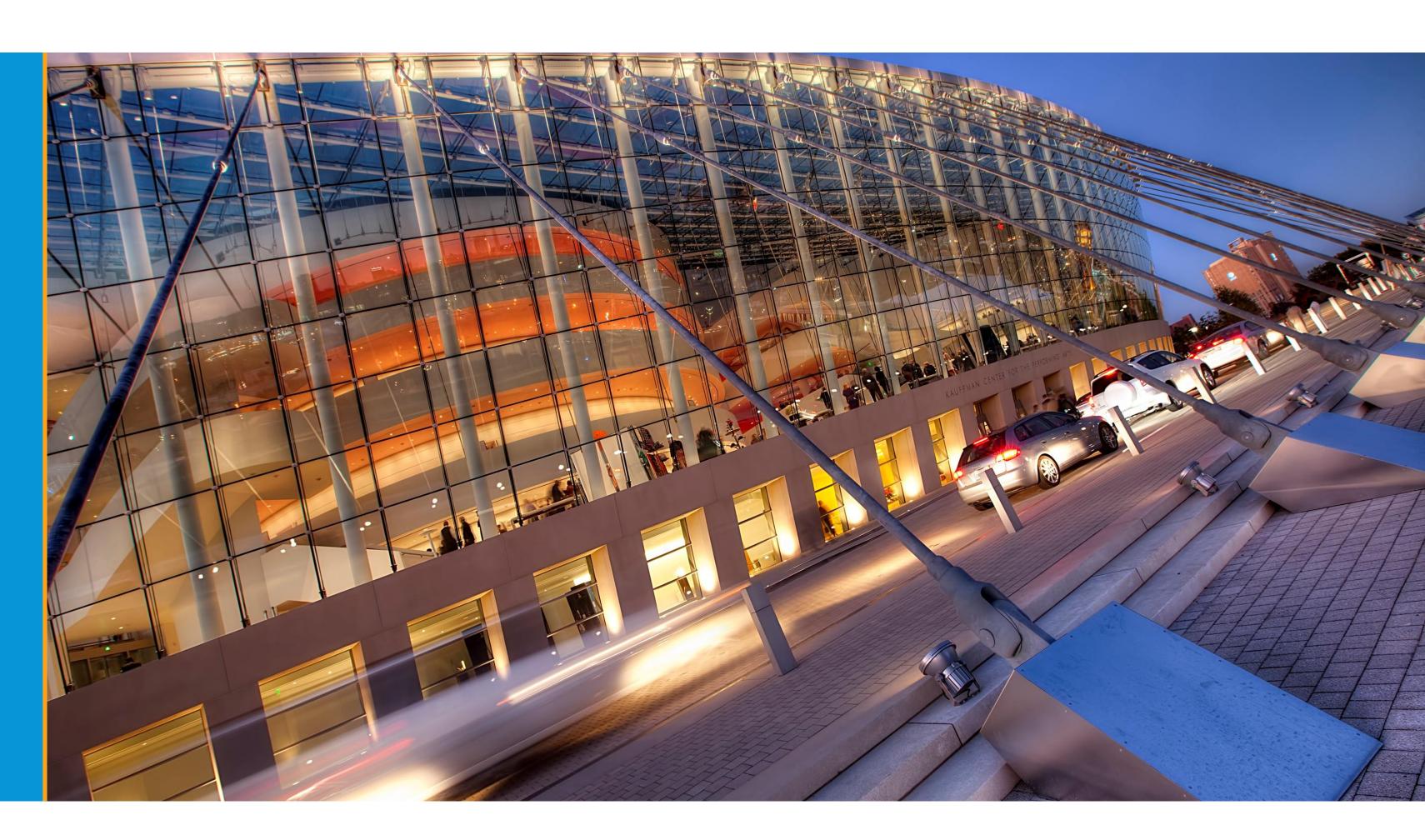
model to view its specification

Specification



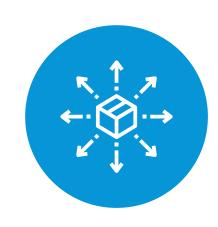


Visualization and Collaboration



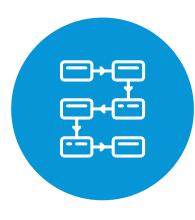
Benefits

FORGE HELPED JE DUNN BREAK THROUGH ITS DATA SILOS, INTEGRATING BIM WITH THEIR INTERNAL ESTIMATING TOOLS AND RUNNING IT ALL THROUGH A SINGLE ERP.



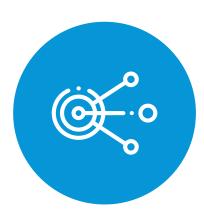
SCALABLE, TRANSPARENT SOLUTION

 Solution enables greater transparency with external users, and enhances design coordination between architects and owners



STREAMLINED WORKFLOWS

• Streamlines the design iteration process between the architects and the engineers that are making the changes



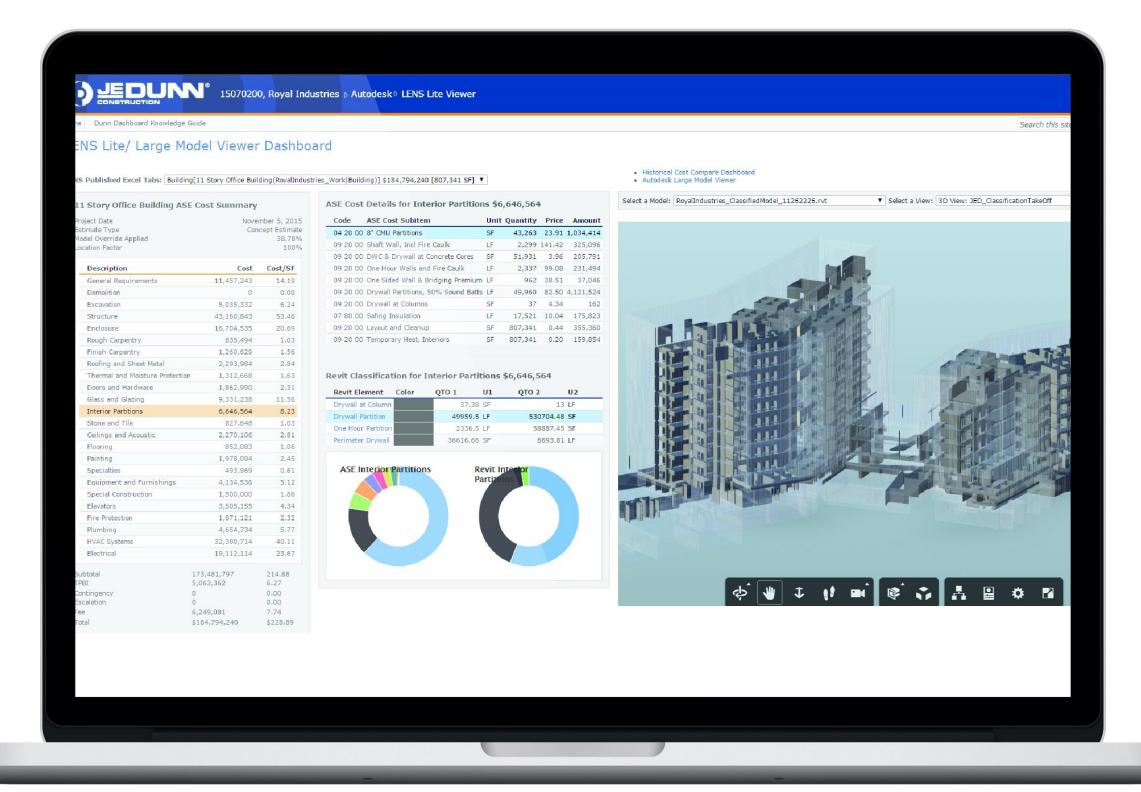
SHARE DATA ACROSS TEAMS

 Integrates virtual models and cost-related history into a seamless application, accessible across teams









Forge certified systems integrators

WE CERTIFY SYSTEMS INTEGRATORS SO CUSTOMERS HAVE ACCESS TO TRUSTED SUPPORT RESOURCES THAT CAN HELP THEM BUILD SOLUTIONS WITH FORGE.



































































triax°

OIVIVa

Versatile Natures

crewbuilder

astralink

















<u>A</u>assemble





































@TrueLook













Leica |

Geosystems







Dropbox

Applied Software

X I Excel





HOLO LAB











POINTFUSE





3DR

FotólN

















✓ builderbox

STACK





BEC<TECH

















































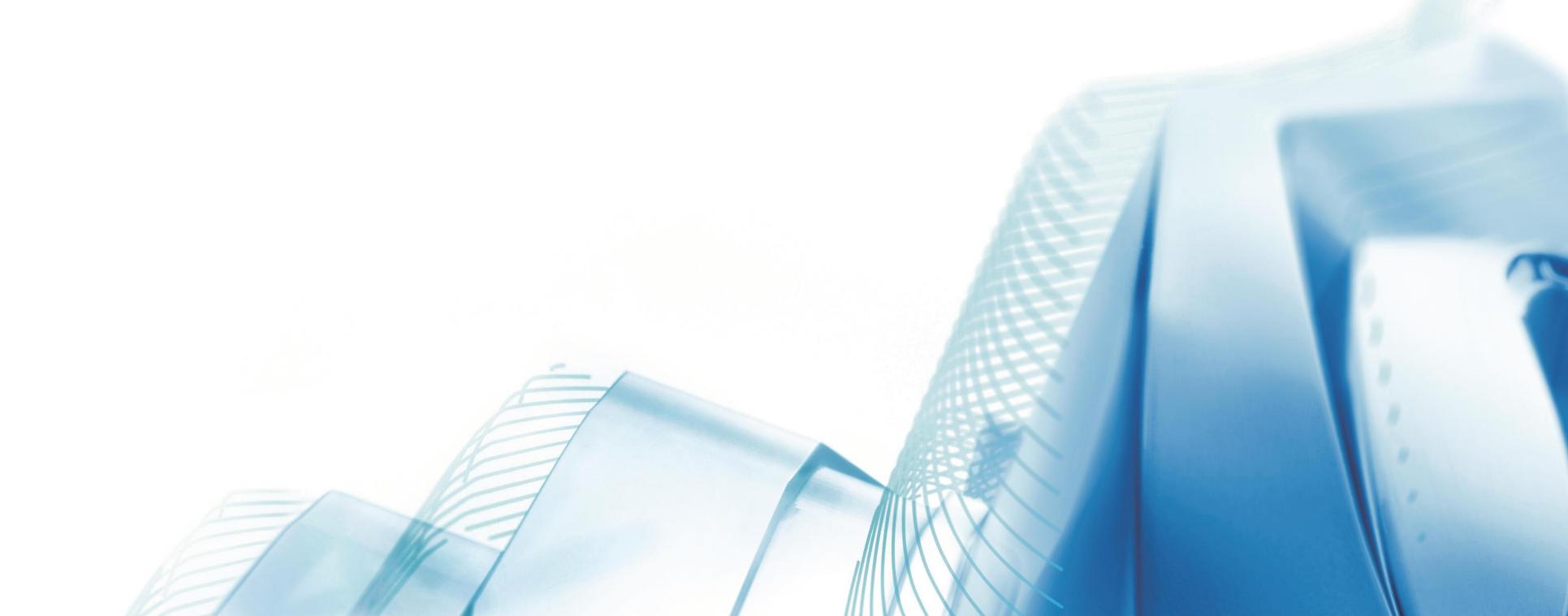






The Forge Business Model Explained





Web applications cost money to run



















How to access Forge?

EBA CUSTOMERS

OTHER CUSTOMERS

BIM 360DOCS/FUSION 360/ FUSION TEAM CUSTOMERS

Ask your CSM to add a Forge entitlement to your EBA contract

Consumption is in Tokens (1 Token = 1 Cloud Credit) Buy a Forge subscription via forge.autodesk.com/pricing

100 USD per year – Includes 100 Cloud Credits

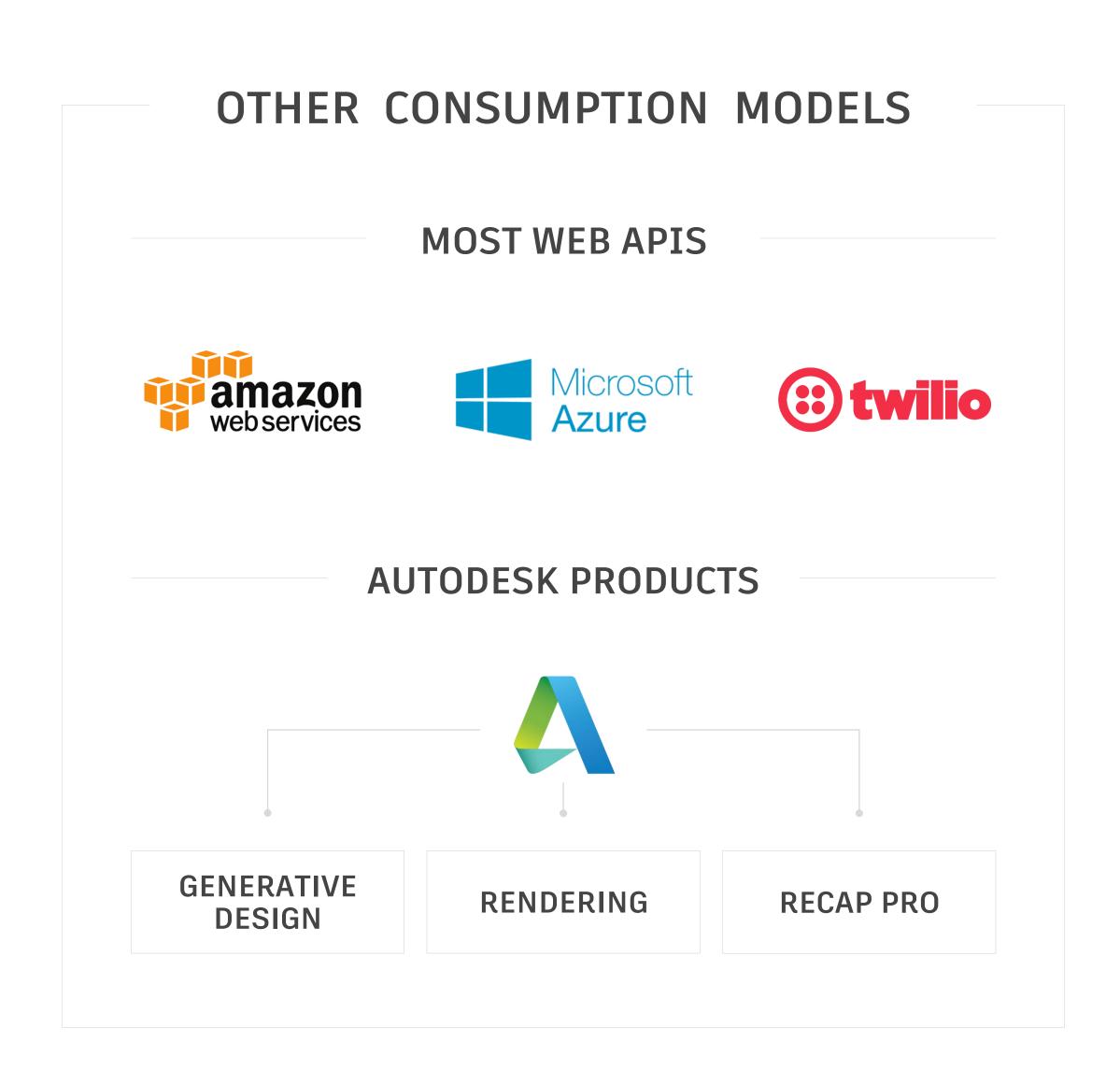
Buy additional Cloud Credits as needed

A subset of Forge APIs is available for free

Enable access on forge.autodesk.com/pricing

Forge pricing is based on consumption

Buy Credits in Advance Some API calls consume Credits Buy more Credits when you need them **PROS** CONS Customer pays for exactly It takes time for a customer to be able to predict costs. what they use – and no more.



What consumes cloud credits?



TRANSLATING A MODEL

Model Derivative API*

- 1.5 CCs for Revit and Navisworks
- 0.2 CCs for everything else
- (Not required to view models uploaded to BIM 360 Docs)



BATCH EDITING A DESIGN

Design Automation API

- 4 CCs per hour of processing time for AutoCAD
- 6 CCs per hour of processing time for everything else
- (Example Typical time to create 2D drawings from an Inventor model is 1-2 minutes= 0.1-0.2 CCs)

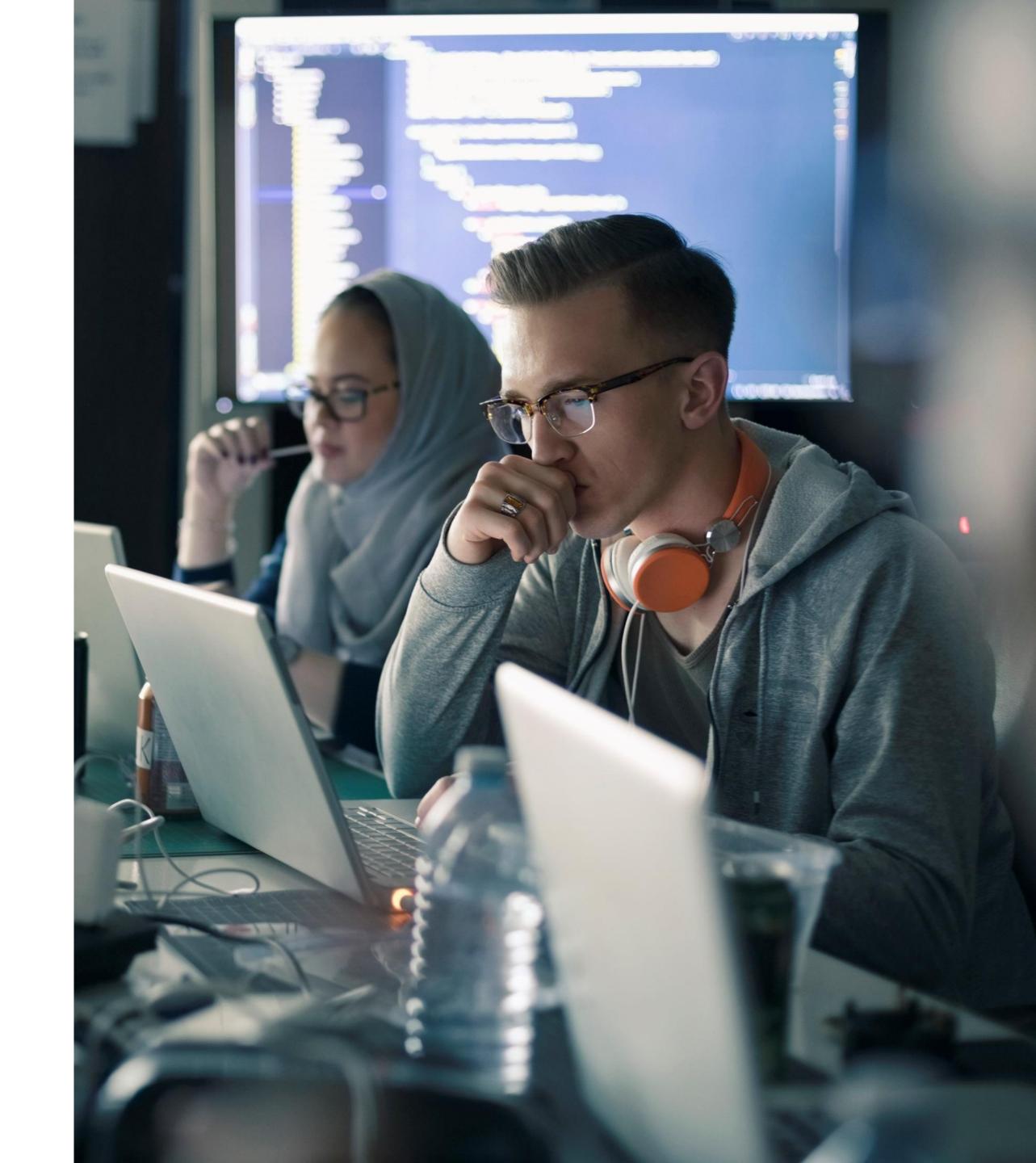


CONVERTING PHOTOS INTO A 3D MESH

Reality Capture API

• 3.5 CCs per gigapixel processed

*Translation cost is 'per model', not 'per file'.



Find out more...

WEBSITE/DEVELOPER PORTAL

forge.autodesk.com

CUSTOMER SUCCESS STORIES

forge.autodesk.com/customers

SALES MATERIAL

forge.autodesk.com/ots

SYSTEMS INTEGRATORS

forge.autodesk.com/systemsintegrators

ACCELERATORS

forge.autodesk.com/accelerator

FORGE DEVCON

forge.autodesk.com/devcon-2019

SALES QUESTIONS

forge.sales@autodesk.com

TECHNICAL QUESTIONS

forge.help@autodesk.com

SYSTEMS INTEGRATORS PROGRAM QUESTIONS

forge.si.program@autodesk.com



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