BIM 360
Hackathon

Jim Quanci
Senior Director, Forge Partner Development

AUTODESK.

100 thousand++

AUTODESK.

200%

GROWTH IN USERS

42

COUNTRIES WHERE BIM 360 IS SOLD

77%

BIM 360 SALES THROUGH CHANNEL

"Customers are getting excited, **we are excited**. We are 100% bought into BIM 360 Docs this year. **It's a great platform**, it's **customer ready**, and we are excited to go tell the story."

Ben Hollowell
President, ATG-USA

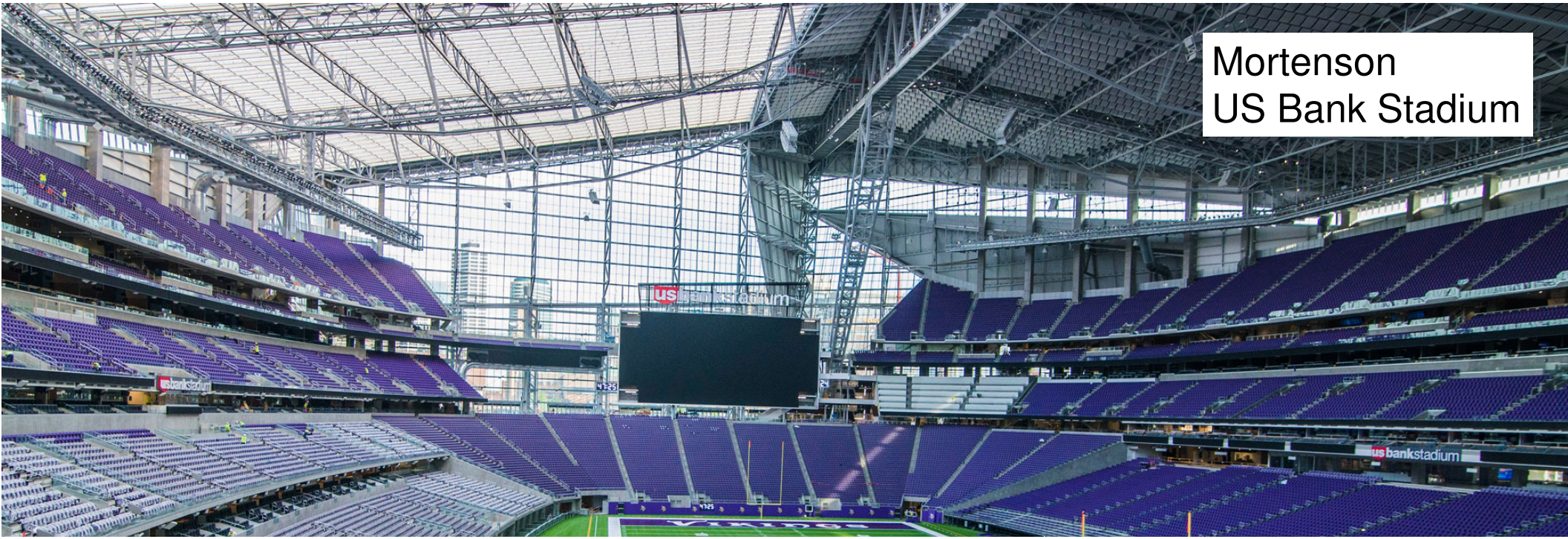
AUTODESK.
Platinum Partner

DPR CONSTRUCTION
SUFFOLK
A.O. Reed & Co. SINCE 1914
ACS
HOCHTIEF
HYUNDAI ENGINEERING & CONSTRUCTION
中国交通建设股份有限公司 CHINA COMMUNICATIONS CONSTRUCTION COMPANY Ltd.
ferrovial
REC 中国中铁
LOS RIOS COMMUNITY COLLEGE DISTRICT
GP construcción
BECHTEL
VINCI
STRABAG SOCIETAS EUROPAEA
BOUYGUES
Wayne Brothers INCORPORATED
CAMDEN Living Excellence
eni
JGC
CSCEC 中国建筑 CHINA STATE CONSTRUCTION
Technip
FLUOR
COACH
saipem
SAMSUNG
SAMSUNG C&T
NEW YORK CITY HOUSING AUTHORITY
Gatwick AIRPORT
THE GREAT SEAL OF THE STATE OF CALIFORNIA
ODEBRECHT
POWERCHINA
Petrofac
SKANSKA
McCARTHY
Gilbane
lendlease
SCHLOSSER STEEL BUILDINGS INCORPORATED
BREMIK CONSTRUCTION
CBI
PCL
WT WHITING-TURNER
KBR
STRUCTURETONE
SHAYLOR GROUP
FLUOR
Tutor Perini CORPORATION
SANDIS
AECOM
JACOBS
WALSH The Walsh Group
Roebbelen
Turner Building the Future
Balfour Beatty
CLARK CONSTRUCTION
Mortenson construction
Norconsult
hiteco engineering ltd
ROCKFORD CONSTRUCTION
Hunter Roberts CONSTRUCTION GROUP
BARNHILL CONTRACTING COMPANY
ebc INC
MTA
POMERLEAU
NEW LINE STRUCTURES
NUEVOPUDAHUEL
SWINERTON INCORPORATED
RODGERS Our Passion is Building
Travel. Transformed. DFW
DANIS
SAUNDERS Building Confidence
PARIC EXPERIENCE. EXCELLENCE.
PB 125 YEARS
Brookfield Residential
McCARTHY
SHIEL SEXTON
NABHOLZ
TDIndustries
CDI CONTRACTORS
OSBORNE
Austin
CLAYCO THE ART & SCIENCE OF BUILDING
PLANT
JE DUNN CONSTRUCTION
VAUGHN
LINBECK
OKLAND CONSTRUCTION
ZACHRYVAUGHNLAYTON
Rhatigan J.J. Rhatigan & Company
AUTODESK.

Mortenson construction

SKANSKA

中國建築
CHINA STATE CONSTRUCTION



$100M
Lower Cost

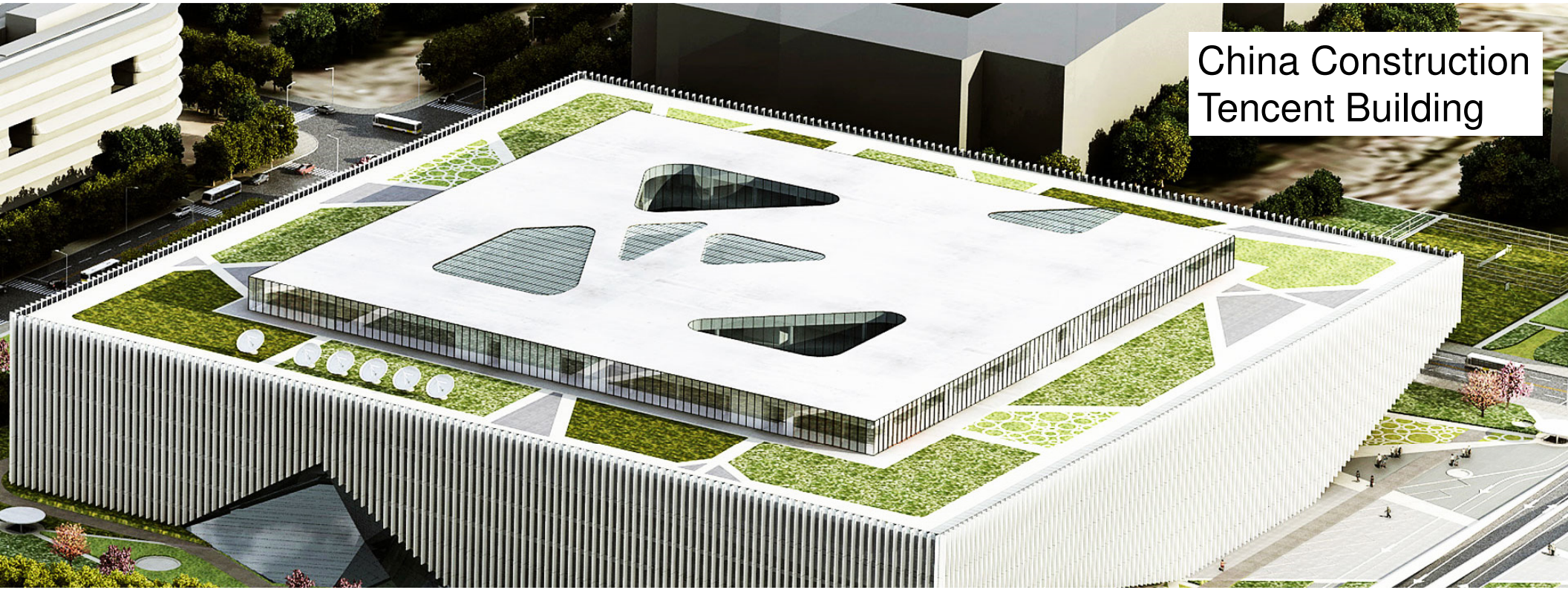
20,000
Issues Managed

6 Weeks
Early Delivery

146
Active Projects

100%
Digital

298,000
Issues Closed



50%	1.6M	60 Days
Layout Costs	Sq. Ft. Modeled	Early Delivery

BIM 360

Integration Opportunities in Construction

AUTODESK.

BIM 360 | Partner Opportunities in Construction

- Quantification/ Takeoff
- Bid Management
- Design Checking/ Coordination
- Estimating
- Accounting/ ERP/CRM
- Scheduling
- Field Management
- Cost Management
- Construction Management
- Layout/ Reality Capture…
- And More

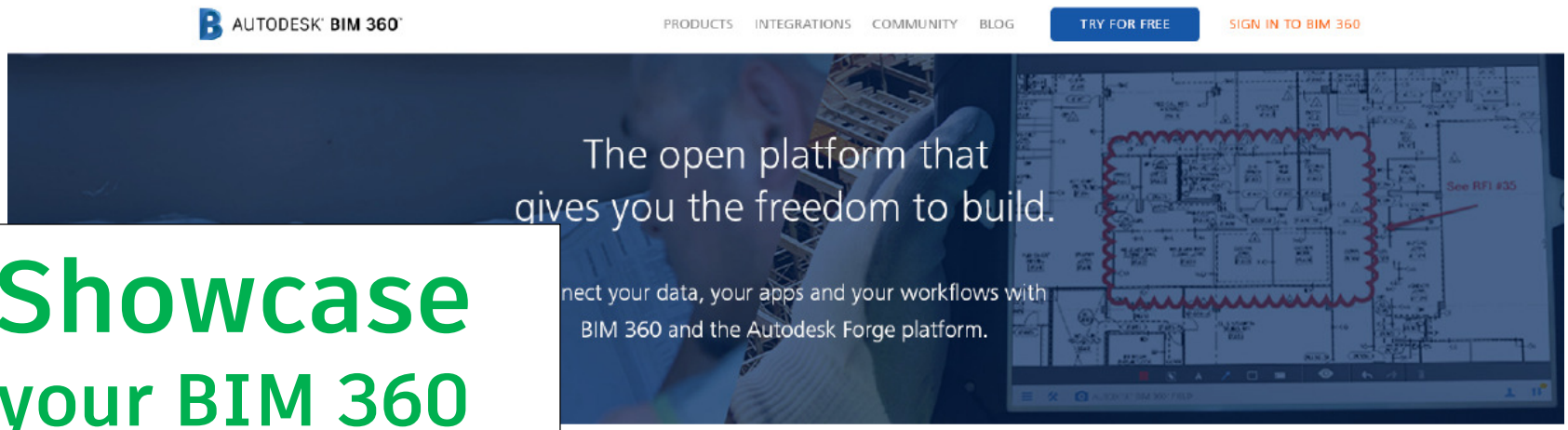
AUTODESK.

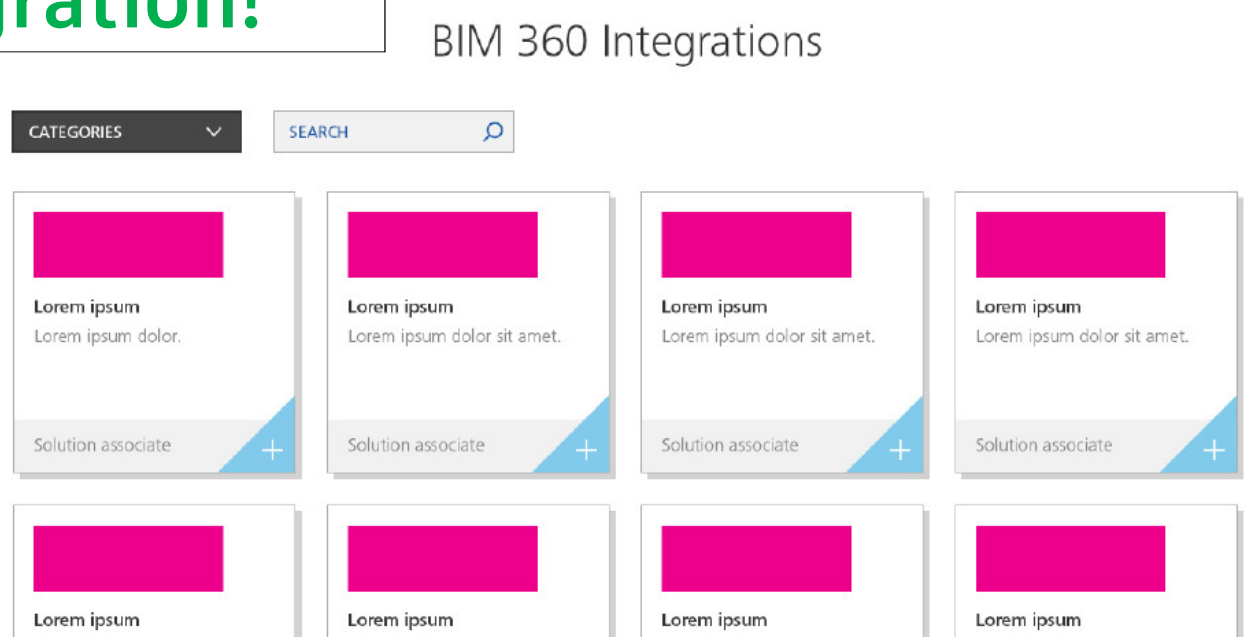
BIM 360

Co-Marketing Opportunities

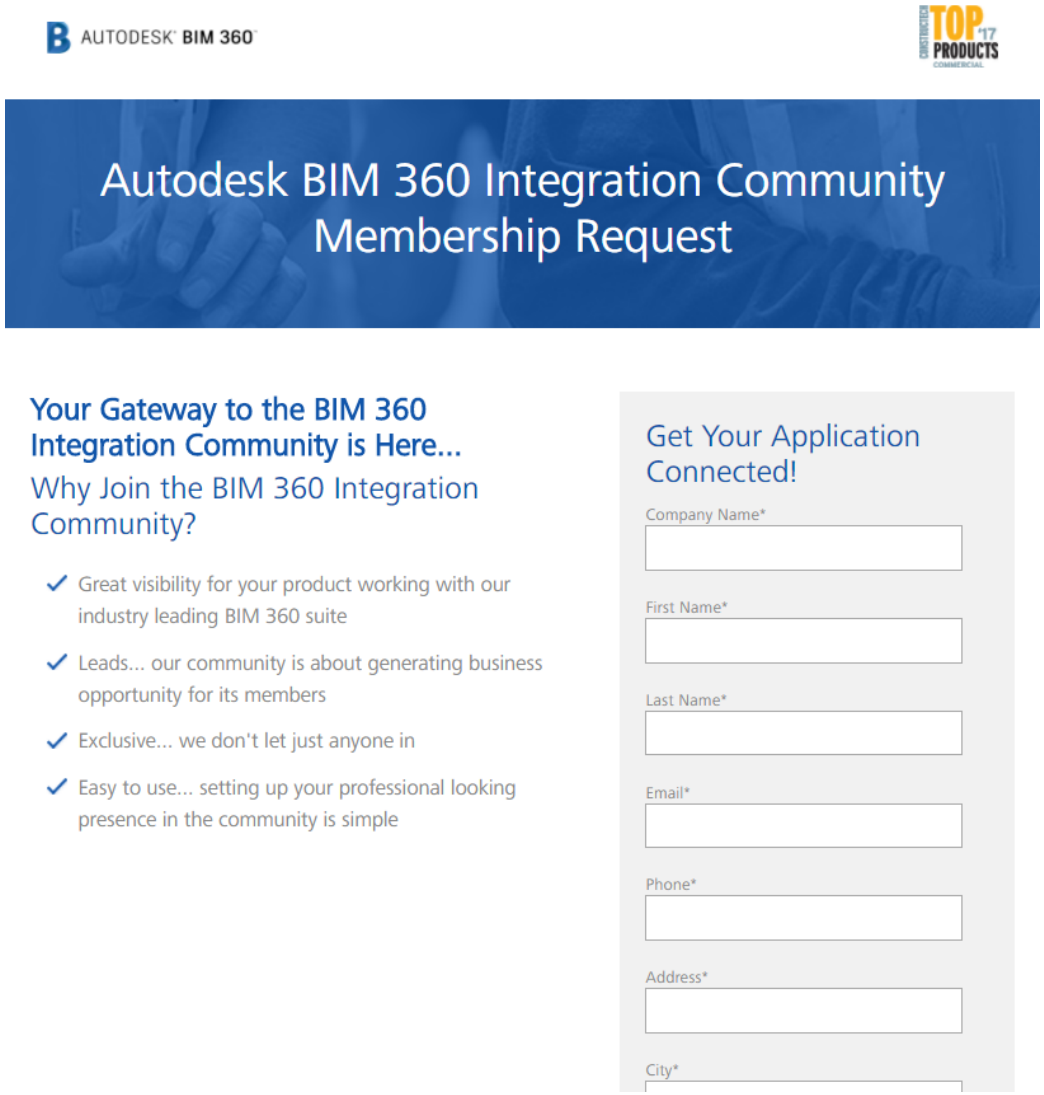
AUTODESK.

Showcase your BIM 360 Integration!





AUTODESK.



Showcase

your BIM 360 Integration!

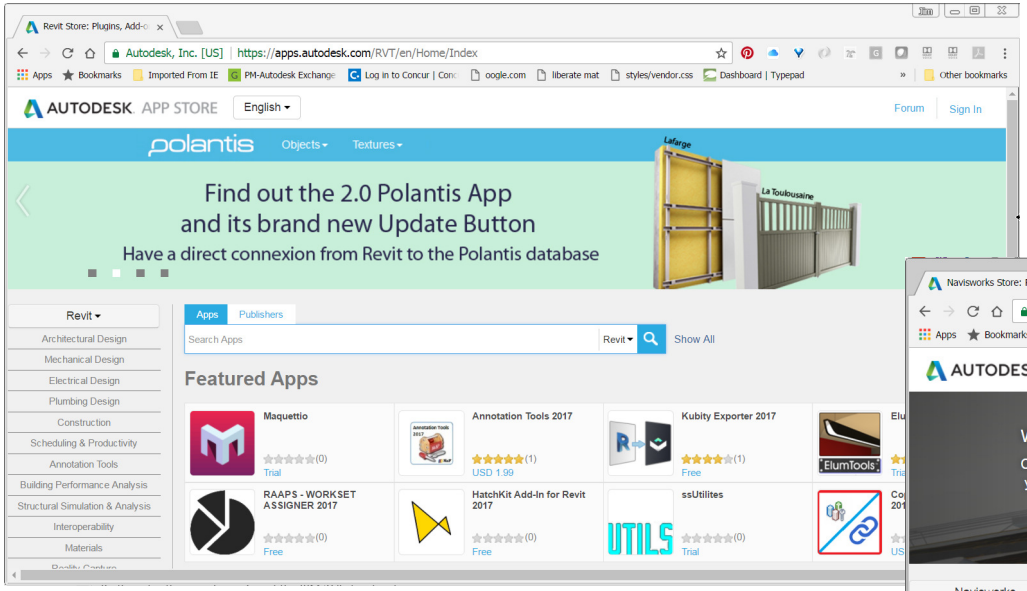
Go to this link to register and begin filling out your profile Today!

https://info.bim360.autodesk.com/bim360-integration-community-membership-request

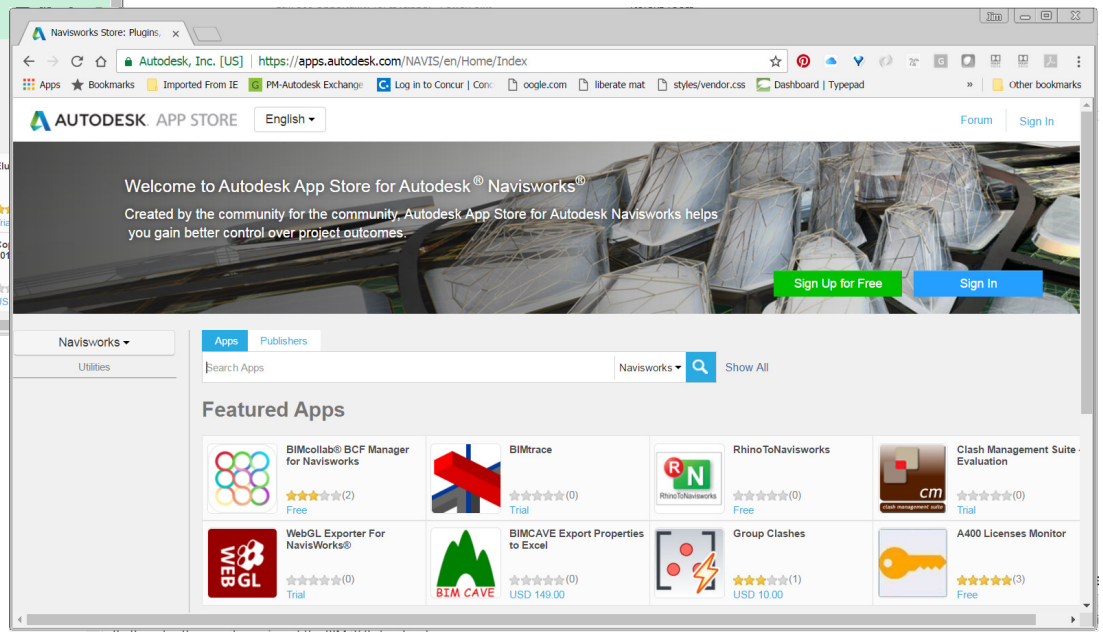
1 million
300 thousand

AUTODESK.

The Revit Storefront



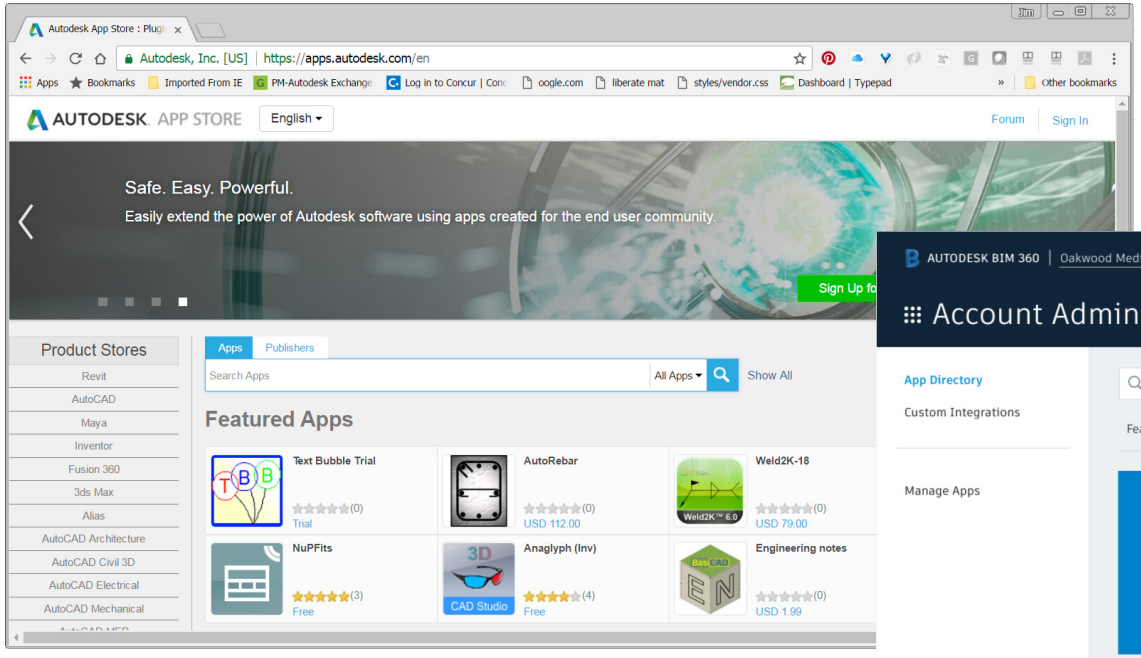
The Navisworks Storefront



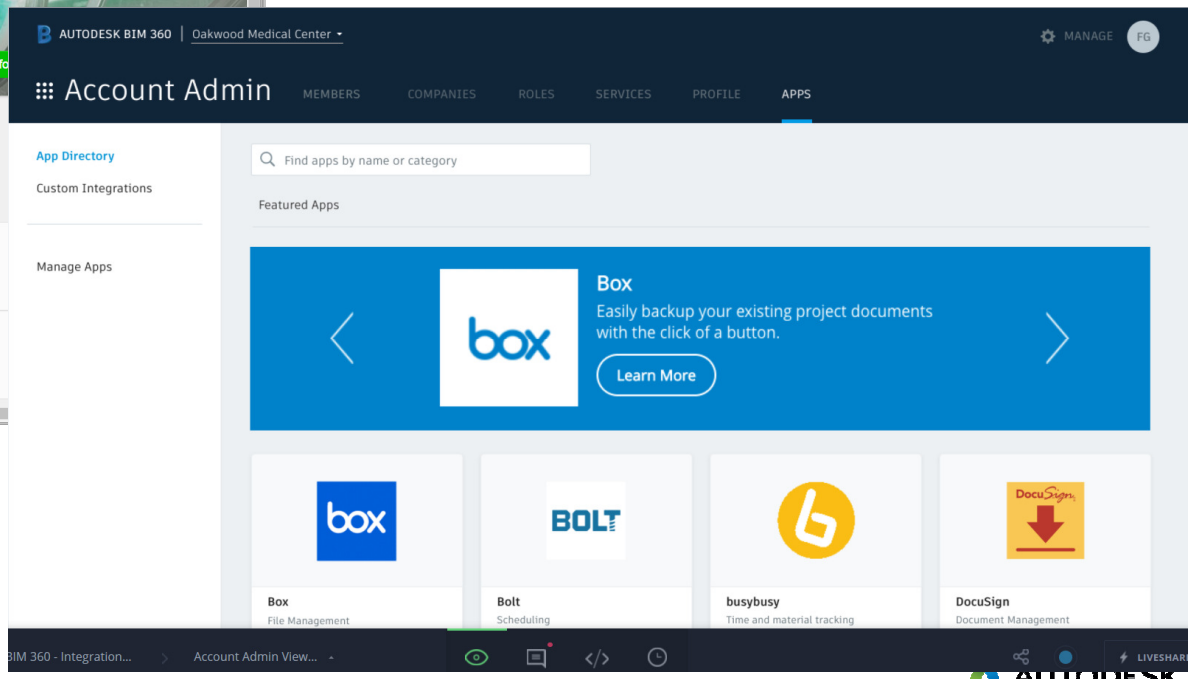
AUTODESK.

The BIM 360 Storefront

In the Autodesk App Store TODAY



In BIM 360 by Autodesk University



BIM 360

How?

AUTODESK.

FORGE

AUTODESK.

RESTful API

GET PUT POST DELETE

HTML CSS JavaScript

React

node

ANGULARJS

three.js

Web Developer Skills

AUTODESK.

Forge Ecosystem

Resolving™

PERKINS + WILL

3DR

BONAVA

Google

JE DUNN® CONSTRUCTION

CAD & COMPANY

COWI

CITRIX®

hsbcad
Empowering you to realise

SKANSKA

bim object®

NCC

NBS

DPR CONSTRUCTION

AMCBRIDGE

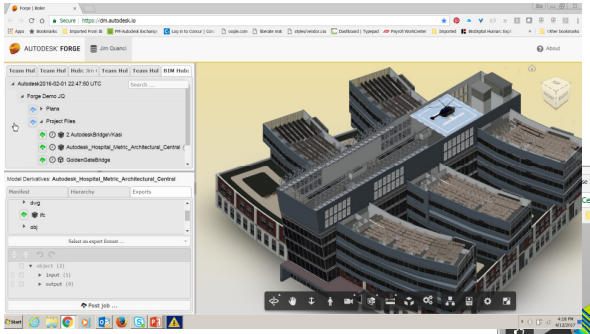
ATKINS

Southland™

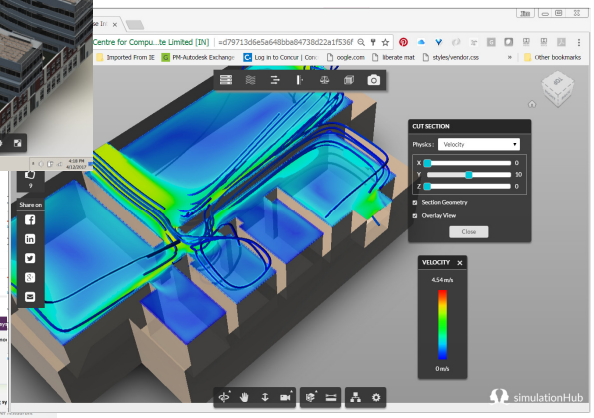
AUTODESK.

BIM 360 | Integration Today with Forge

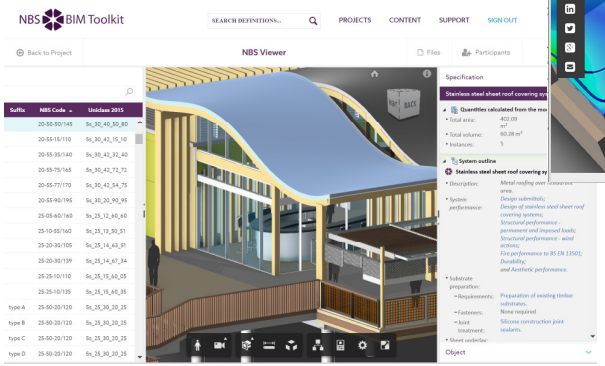
Pull and push most any file out of and into BIM 360



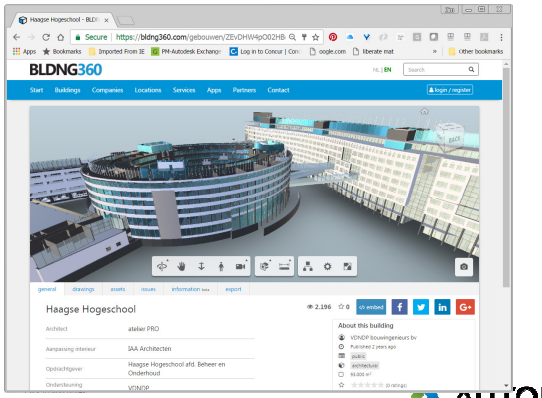
Extract data from most CAD file types stored in BIM 360, pull into your system for analysis/processing, and as needed push back to BIM 360



Extend your existing Revit or AutoCAD add-in to automatically pull from or save information directly to BIM 360.



Add easy access to files in BIM 360 – including Viewing and metadata – to your app



AUTODESK.

Connect islands of data

Most any Autodesk
“Hub” on the Cloud

360

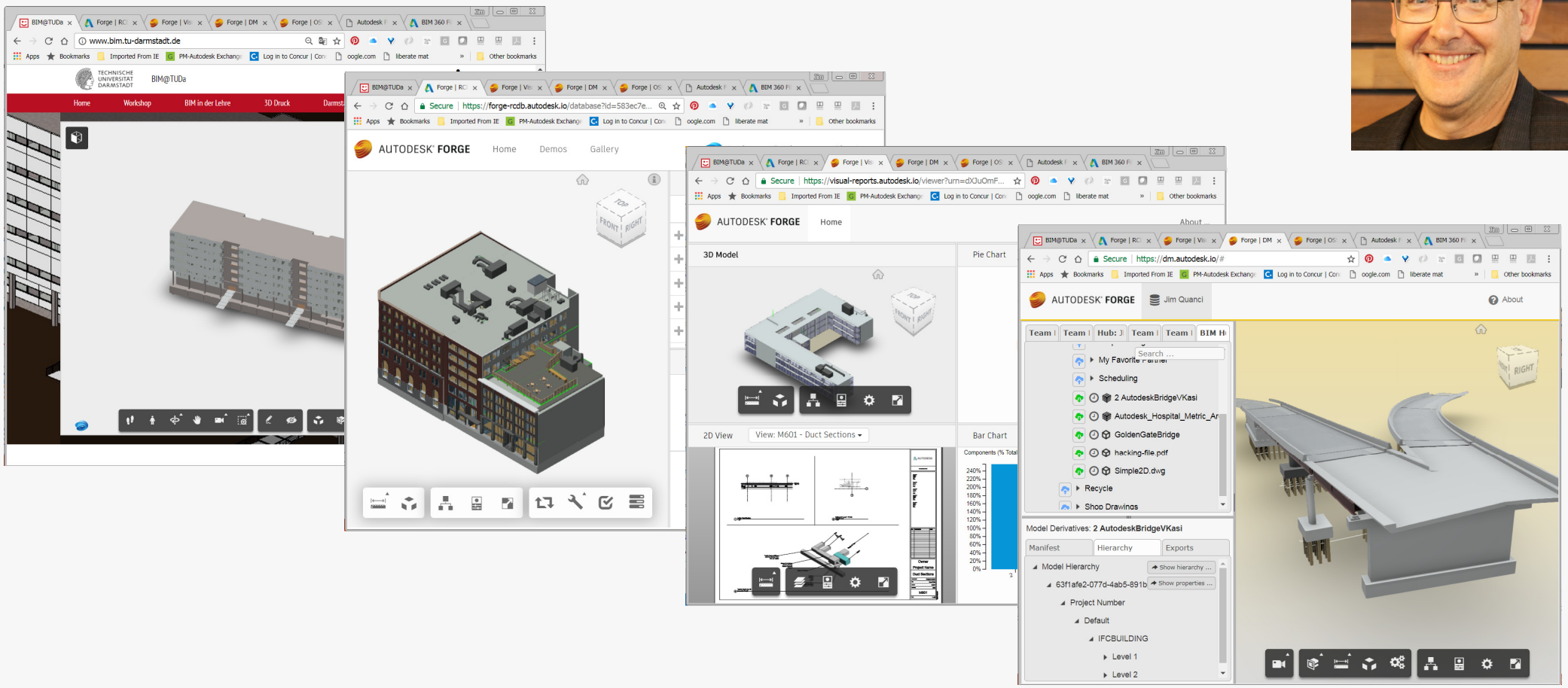
TEAM

C4R

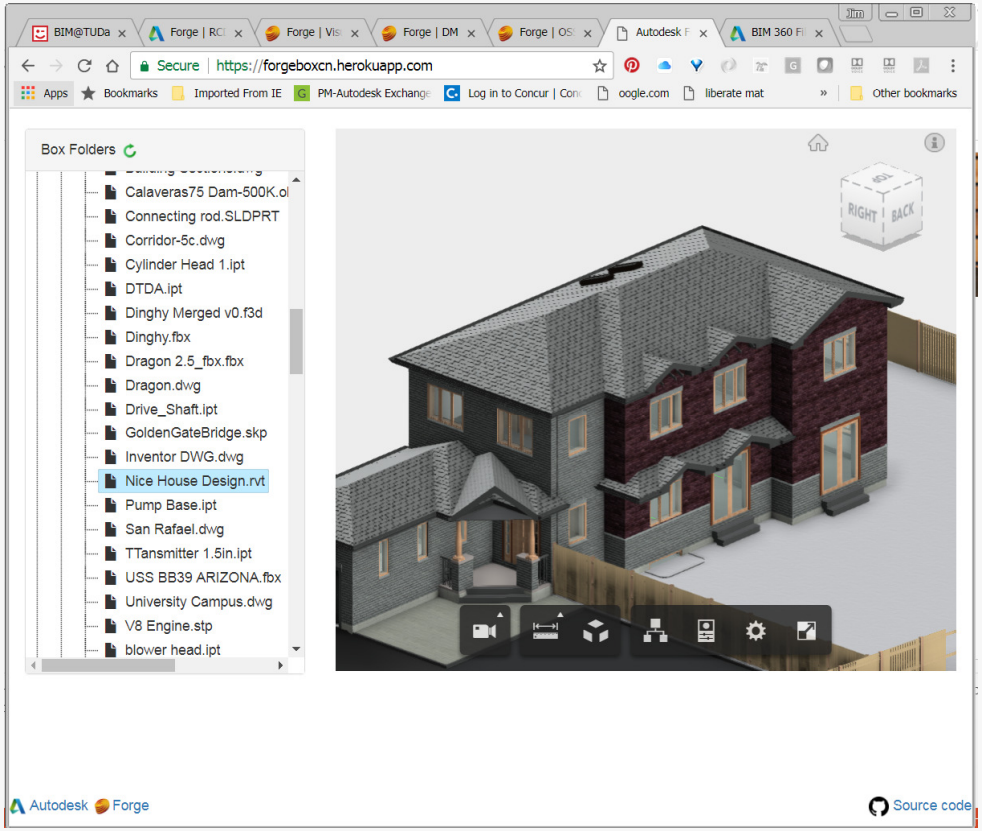
AUTODESK FORGE

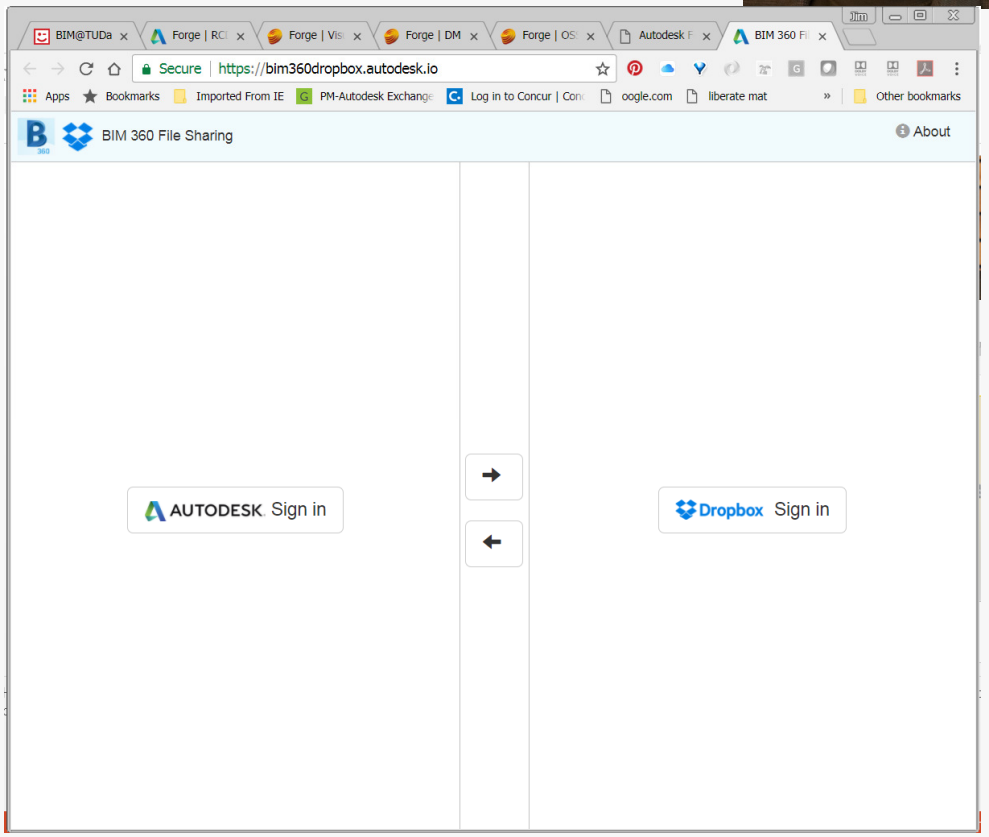
Your
App/Service

Connect islands of data



Connect islands of data





Common File Share Integrations

http://bim360box.autodesk.io

http://bim360dropbox.autodesk.io

http://bim360google.autodesk.io

http://bim360onedrive.autodesk.io

http://bim360egnyte.autodesk.io

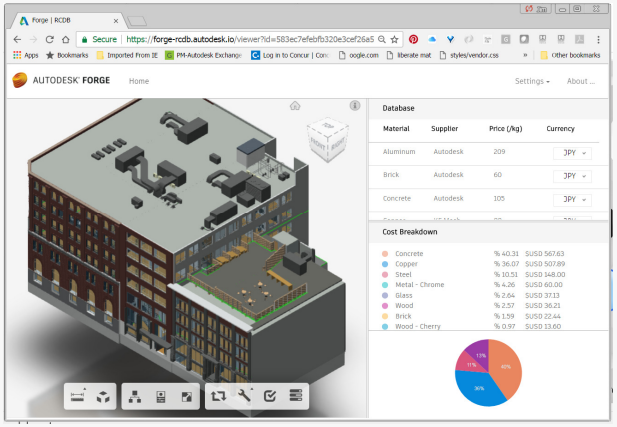
For fun…
http://bim360xls.autodesk.io

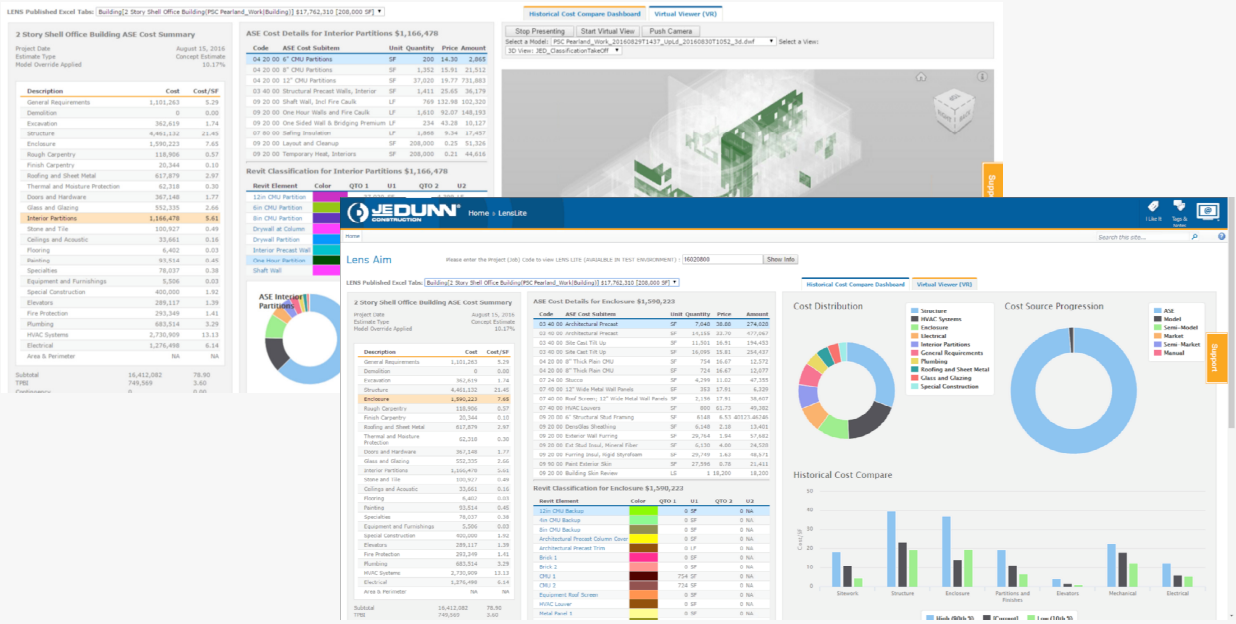
AUTODESK.

Help your customers shrink costs, schedule, and risk through Transparency

Create insightful web and mobile dashboards that reach beyond the Project Team – to the whole Enterprise and beyond to Customers

https://forge-rcdb.autodesk.io/

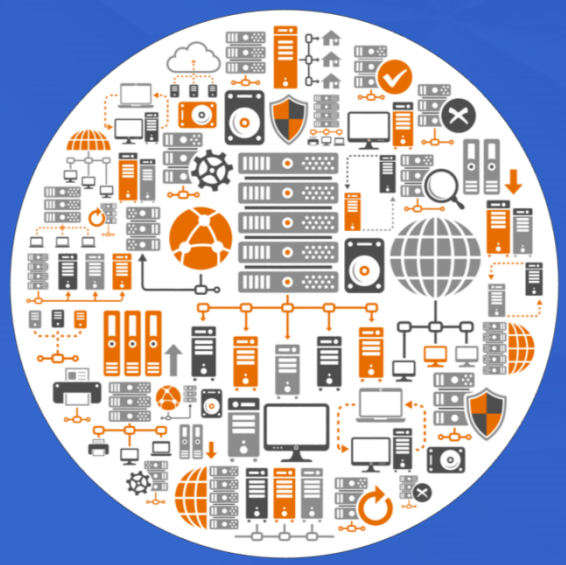




JE DUNN CONSTRUCTION

"The BIM 360 and Forge platforms allow us to integrate our virtual models and our cost-related history into a seamless application. This integration enables greater transparency with our external users, and enhances design coordination between architects and owners."

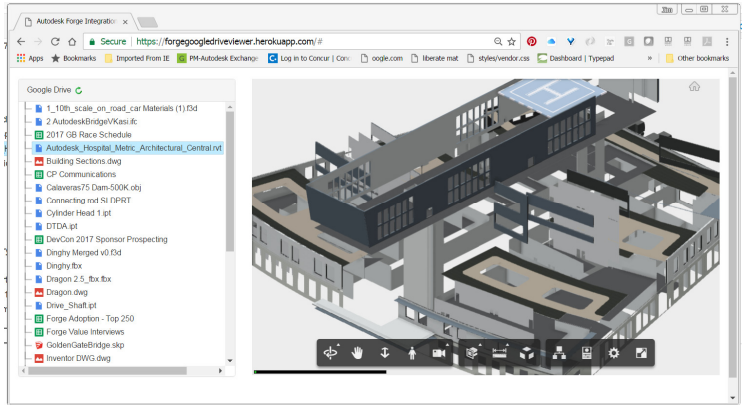
Pain Point:
Multiple, disconnected systems.



Google

Situation:
The Google IT team, a BIM 360 customer, is working with global teams need to collaborate efficiently and as Google's real estate development is scaling quickly.

https://forgegoogledriveviewer.herokuapp.com/



AUTODESK.

BIM 360 | Integration Tomorrow

Folder Creation	RELEASED
Eventing thru WebHooks	AUTODESK UNIVERSITY
Integrated App Store	AUTODESK UNIVERSITY
Issues endpoints (pull and push)	YEAR END (maybe by AU)
RFI endpoints (pull and push)	YEAR END (maybe by AU)
Checklists (QA, Inspection, Punchlists, etc)	EARLY NEXT YEAR
Submittals	EARLY NEXT YEAR
In BIM 360 User Interface integration	TBA
BIM 360 embedding (into your app)	TBD
More	

AUTODESK.

BIM 360 | Integration

AUTODESK® BIM 360™ DOCS

Account Administration	NOW
Document Management	NOW
Field Management	BETA

AUTODESK® BIM 360™ FIELD

AUTODESK® BIM 360™ GLUE

Collaboration for Revit

AUTODESK.

BIM 360 | Integration

AUTODESK® BIM 360™ DOCS

Account Administration	NOW
Document Management	NOW
Field Management	BETA

AUTODESK® BIM 360™ FIELD

AUTODESK® BIM 360™ GLUE

Collaboration for Revit

AUTODESK.

BIM 360 | Integration

AUTODESK® BIM 360™ DOCS

Account Administration	NOW
Document Management	NOW
Field Management	BETA
Model Coordination	*Soon*

AUTODESK® BIM 360™ FIELD →

AUTODESK® BIM 360™ GLUE →

AUTODESK.

BIM 360 | Integration

AUTODESK® BIM 360™ DOCS

Account Administration	NOW
Document Management	NOW
Field Management	BETA
Model Coordination	*Soon*
Authoring Collaboration	*Soon*

AUTODESK® BIM 360™ FIELD →

AUTODESK® BIM 360™ GLUE →

Collaboration for Revit →

AUTODESK.

BIM 360 | Integration

AUTODESK® BIM 360™ DOCS

Account Administration	NOW
Document Management	NOW
Field Management	BETA
Model Coordination	*Soon*
Authoring Collaboration	*Soon*
Insight (aka IQ)	*BETA*

AUTODESK® BIM 360™ FIELD →

AUTODESK® BIM 360™ GLUE →

Collaboration for Revit →

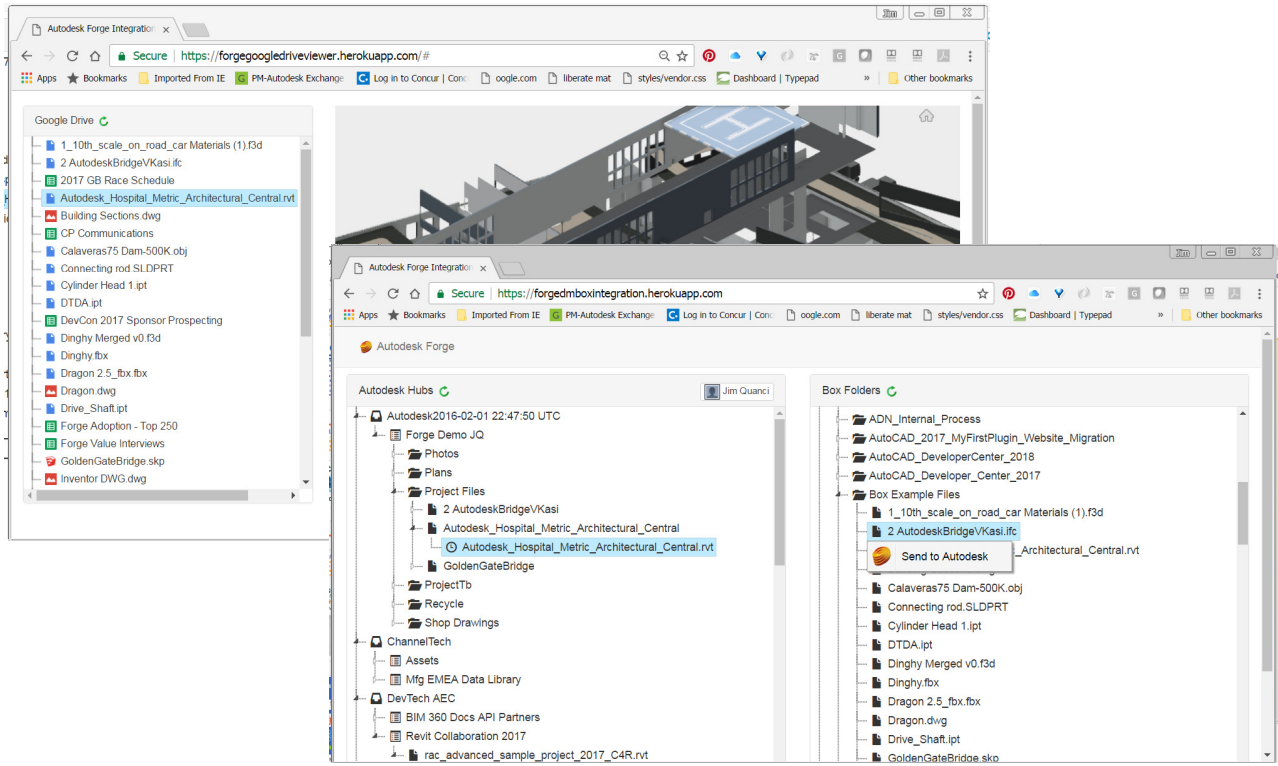
AUTODESK.

Data Management API

A unified and consistent way to access data across BIM 360 Team, BIM 360 Docs and A360.

Features

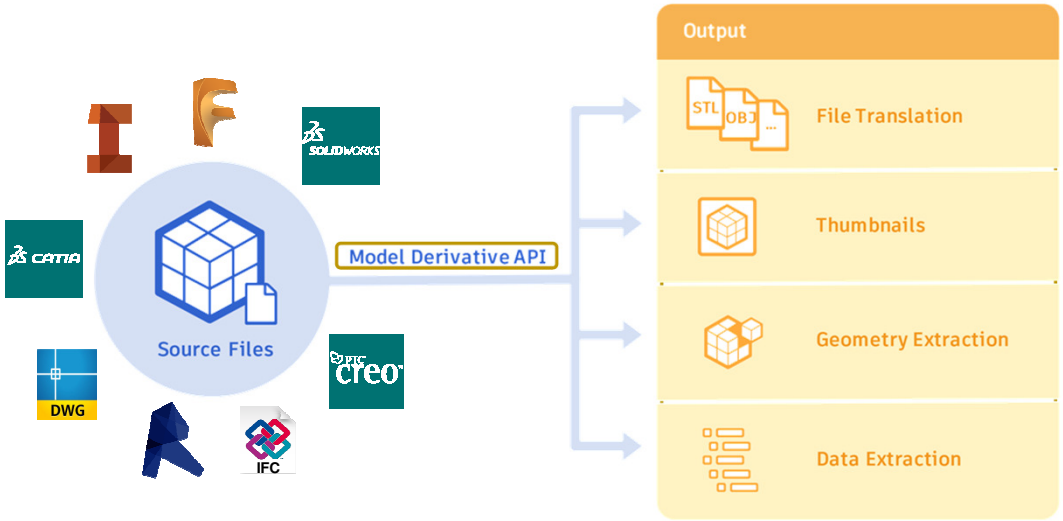
- Browse projects
- Navigate
- Upload and download files



Model Derivative Service

Enables users to represent and share their designs in different formats, as well as to extract valuable metadata.

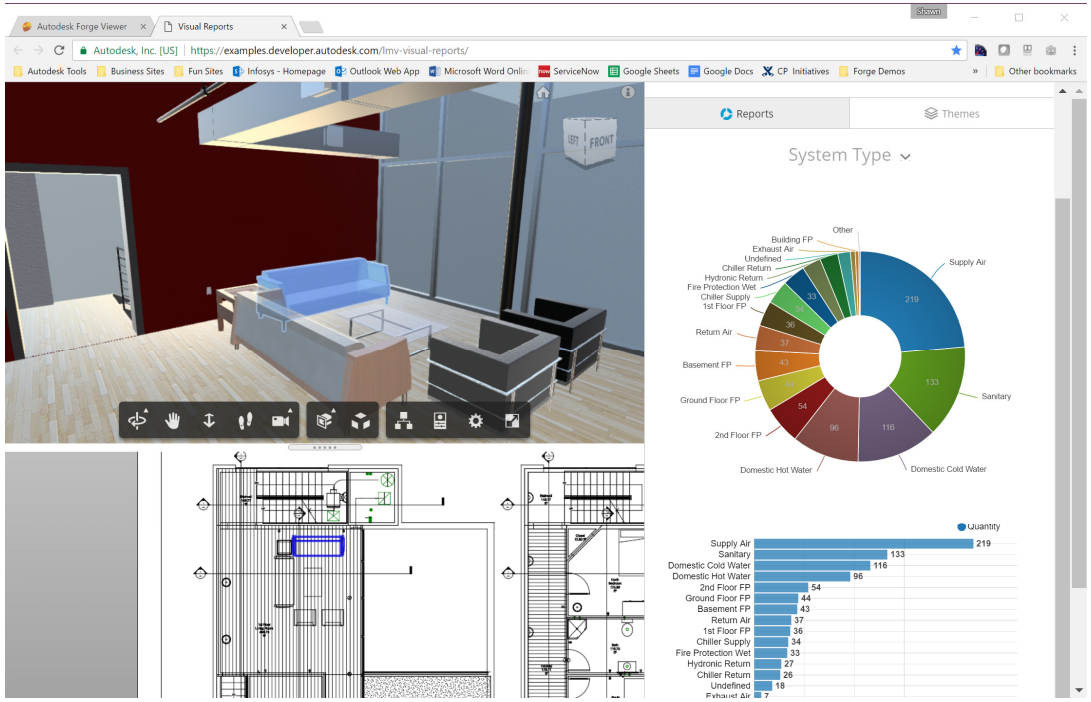
- Converts 2D/3D files to web and mobile viewable format
- Converts designs into formats, such as .stl, .step, .iges & .obj
- Extract object hierarchy trees, properties & selected geometry
- Conversion of Revit to IFC



AUTODESK.

Viewer

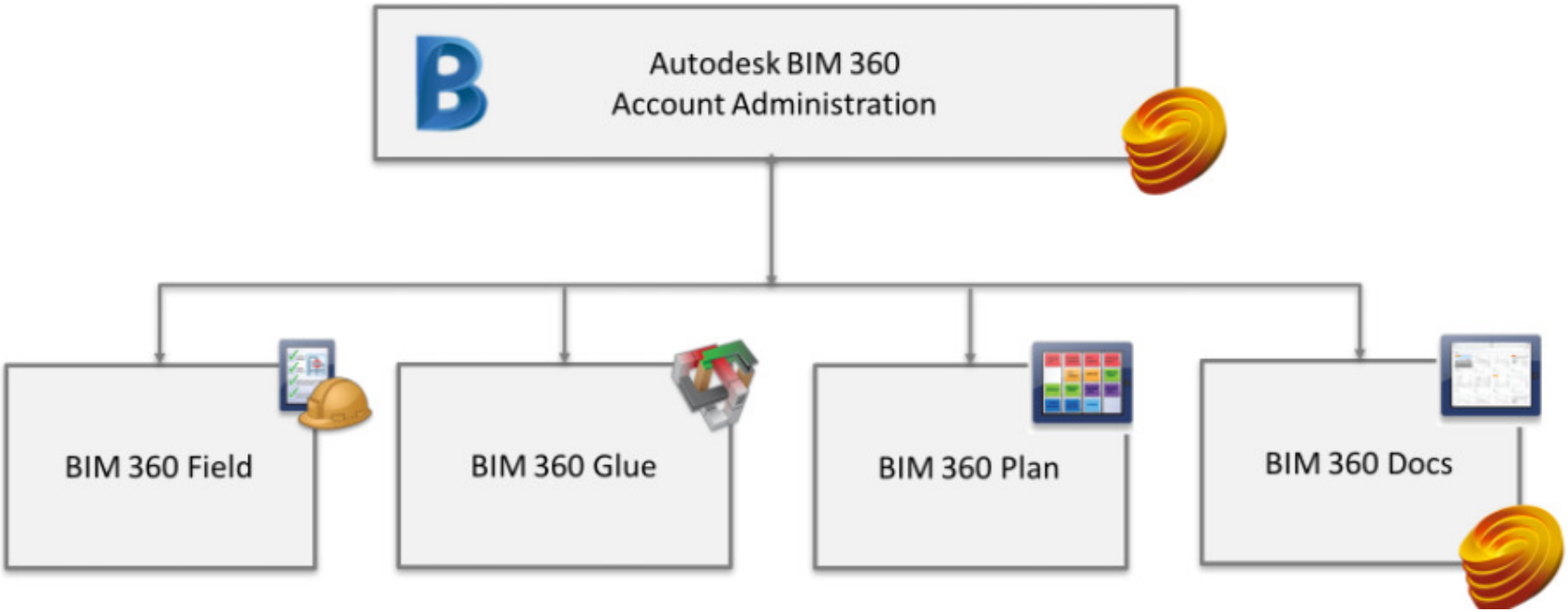
Displays 2D & 3D design files and associated data from 50+ file formats in a web and mobile viewer for presentation and collaboration.



AUTODESK.

BIM 360 API ("HQ")

Automate creation of projects, assign users and rights, cross BIM 360 services, etc.



AUTODESK.

BIM 360 | Next Steps

Build with Autodesk Engineers Virtually in the Hackathon

Participate in the BIM 360 Hackathon – August 15 – October 31

Hackathon Webinars

- August 15-24 — Learn to use the APIs
- August 15 – October 31 — Near real time support
- October 31 — Deadline for $500 per app bounty

Get your app in the BIM 360 App Store!

AUTODESK.

BIM 360 | Next Steps

Build with Autodesk Engineers Virtually in the Hackathon

Participate in the BIM 360 Hackathon – August 15 – October 31

Hackathon Webinars

August 16	Introduction to BIM360 and Forge API
August 17	Authentication and Data Management API
August 18	Introduction to Model Derivative API
August 22	Introduction to Viewer API
August 23	BIM 360 Account level API
August 24	Submitting BIM 360 'app' to Autodesk App store

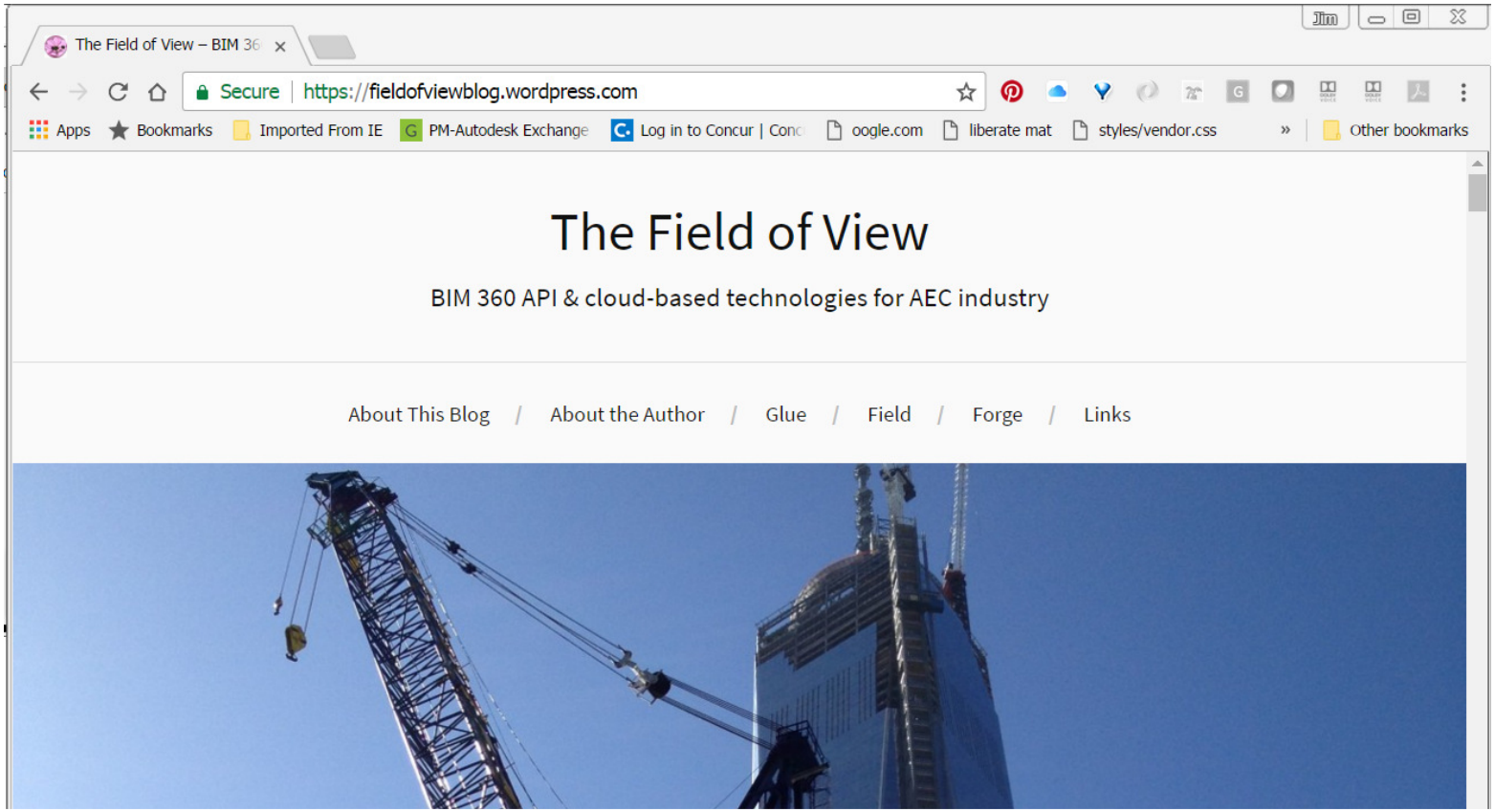
Questions on Hackathon? bim360hackathon@autodesk.com

AUTODESK.

BIM 360 | Next Steps

Learn Online

https://fieldofviewblog.wordpress.com/



AUTODESK.

BIM 360 | Next Steps

Build F2F at an Accelerator

Bangalore, India, September 4-8, 2017

Lyon, France, October 23-27, 2017

Munich, January

USA, February

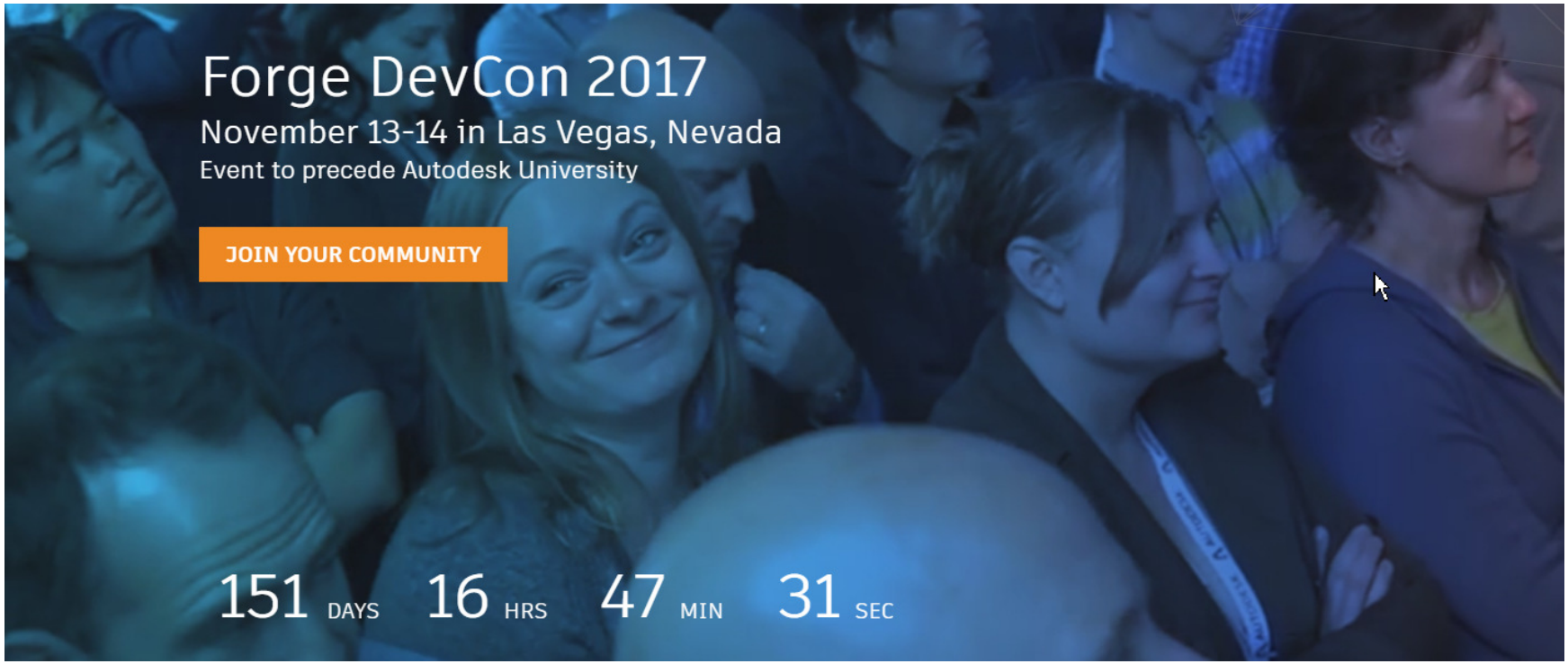
http://autodeskcloudaccelerator.com/

AUTODESK.

BIM 360 | Next Steps

Forge DevCon at Autodesk University

USA, Las Vegas



AUTODESK.

BIM 360 | Next Steps

Forge DevCon at Autodesk University

China, Japan, Germany

Forge DevCon International

Forge DevCon China

August 8, 2017

Shanghai, China

JOIN YOUR COMMUNITY

Forge DevCon Japan

September 21, 2017

Hilton Tokyo Odaiba

JOIN YOUR COMMUNITY

Forge DevCon Germany

October 17, 2017

Darmstadtium Science and Congresss Center

JOIN YOUR COMMUNITY

AUTODESK.

BIM 360 | Next Steps

Talk to us!

BizDev	Tom.Culotta@Autodesk.com
BIM 360 API Lead	Mikako.Harada@Autodesk.com
BIM 360 API Product Mgr	Tomer.Galon@Autodesk.com

AUTODESK.

Integrate with BIM 360 today using Forge

developer.autodesk.com

AUTODESK.