

Sustainability at Autodesk

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Sr Director, Data & Process Management

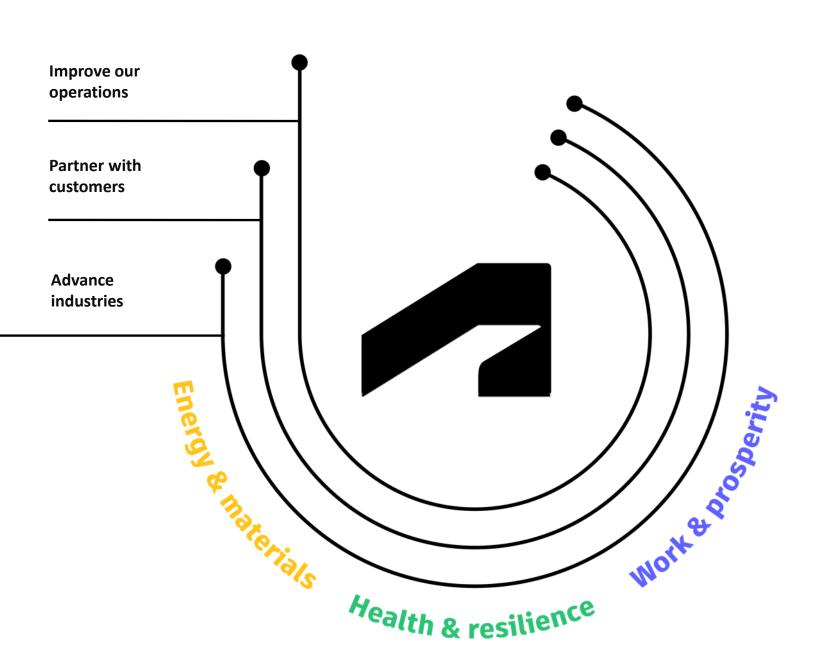
Zoé Bezpalko Sustainability Strategy Manager



Our impact strategy

THREE WAYS WE CREATE IMPACT

THREE IMPACT OPPORTUNITY AREAS



Three impact opportunity areas

to best serve our customers



Energy & Materials

Enable better energy and materials choices, reducing carbon emissions and waste



Health & Resilience

Accelerate the design and make of products and places that are safer, healthier, and more resilient



Work & Prosperity

Advance equity and access, and facilitate the acquisition of in-demand skills of the future

D&M challenges & opportunities

Consumer demand for more sustainable products coupled with increasing environmental regulations is pushing product designers and manufacturers to achieve more sustainable outcomes. ADSK solutions enable more sustainable design, manufacturing, production, and operations.



Operational Energy

Improve performance of factories, machines and products, optimizing for energy consumption and reducing waste



Supply chain resilience

Transparency and accountability across the supply chain, suring up supply chains against disruption



Circular Economy

Circular design of products through material choices, durability, and disassembly



Learning & accreditation

Continuous learning on job and through formal education pathways



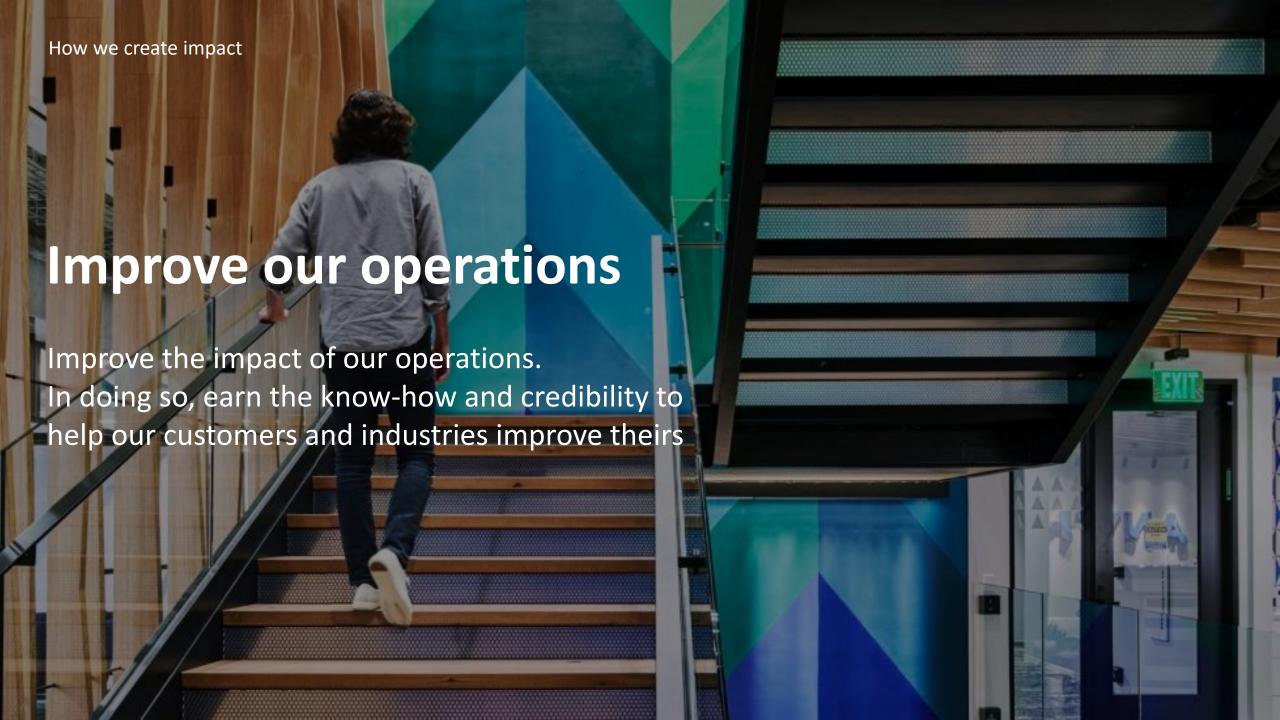
Material Impact

Explore and understand performance tradeoffs of materials selected in design and used in manufacturing



Equitable access to jobs

Increased access to skilled labor by provision of equal opportunities to learning and jobs





Net-Zero Carbon

Achieved in FY21 by applying an internal price on carbon to fund innovative carbon projects with customers and communities

1) Reduce in line with a 1.5 c pathway

50% reduction in absolute scope 1 and 2 emissions

By FY31 compared to fiscal year FY20

25%

minimum reduction in scope 3 emissions

Per dollar of gross profit by FY31 compared to FY20

2) Zero out remaining emissions

100% renewable energy

Powering our facilities, cloud services, and employee work from home

100% net zero carbon

By applying in carbon offsets and removal to our remaining carbon footprint each year





Diversity & Belonging

We're building a diverse workforce and a culture of belonging to give more people the chance to imagine, design, and create a better world

Our FY21 goals are

100%

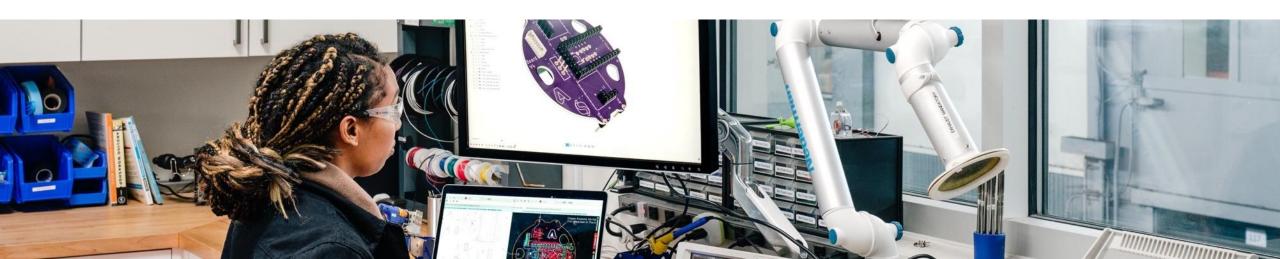
increase in US Black employees

300%

increase in US Black and Latinx leaders

75%

employee participation in diversity & belonging training





Employee Impact at Work

Supporting every employee to make an impact at work

In FY21

\$2.42m

in employee giving (up 67% year on year)

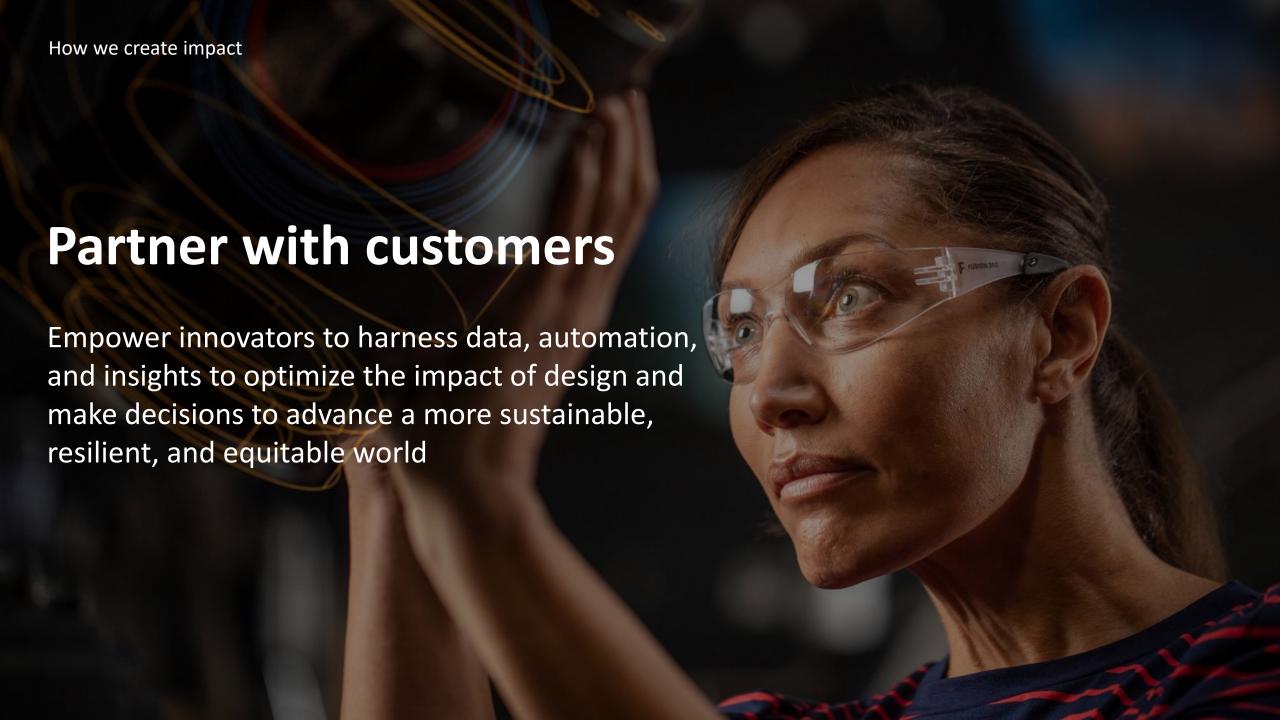
21,700

volunteering hours worth more than \$580,000

275

Customer facing employees trained in sustainability enablement through the Sustainability Leader GOAL program



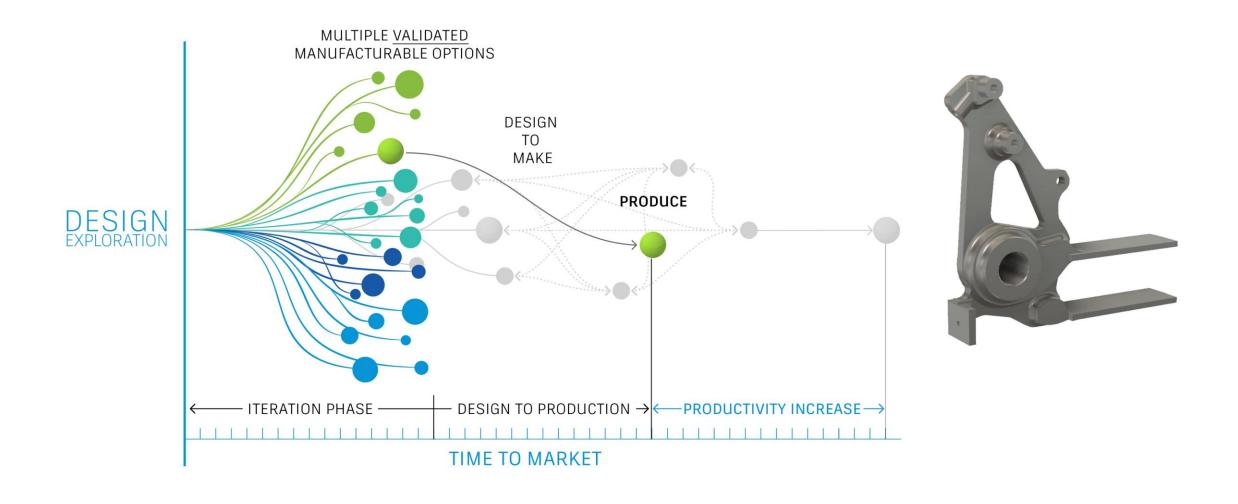


What is Generative Design

Generative design is an artificial intelligence-based design exploration technology available in Fusion 360.

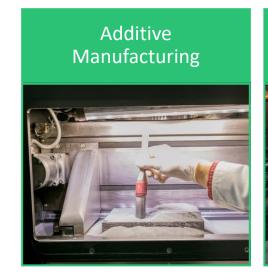


Generative Design Process



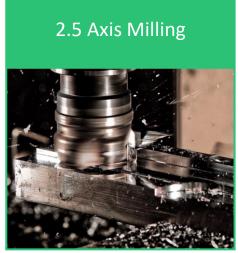
Multiple Manufacturing Methods

Manufacturing ready design











Material reduction and light weighting



Revolutionizing bicycle design and production

Decathlon is reimagining the biking experience with a lighter, stronger, customizable, and more sustainable bicycle. Using the generative design capabilities of Autodesk® Fusion 360® software, Decathlon is eschewing carbon fiber (the industry standard for performance bikes, but also difficult to recycle) and planning instead to 3D-print bicycles from aluminum, Decathlon aims to reduce both the raw materials and transportation-intensive shipping required to build and deliver this futuristic racing bike.



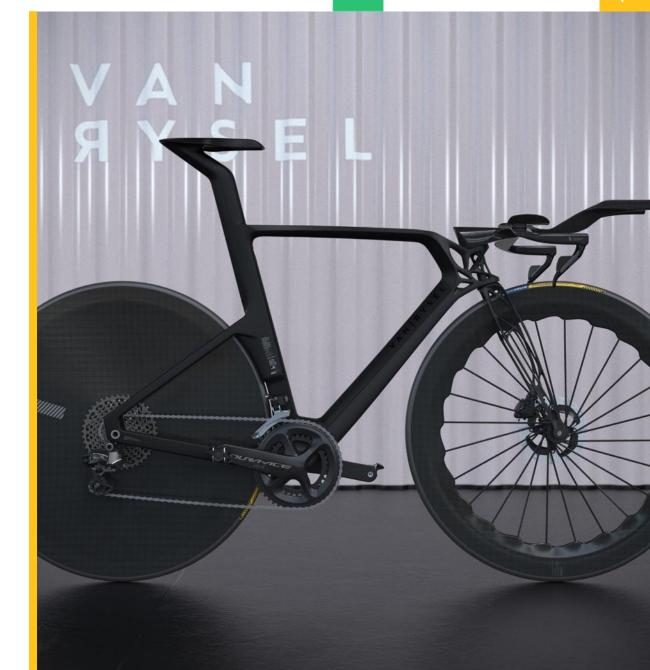
This technology ...saves us time, makes the products better and above all... keeps people at the heart of the creation process

Industry D&M

Key technologies:







+))||

Reinforcing the largest dam in the Netherlands

The Afsluitdijk, the largest dam in the Netherlands, is being reinforced with digital construction and BIM. Teams are using Revit with Autodesk Construction Cloud solutions and Assemble to integrate 3D modeling and streamline review cycles, reducing design coordination time by as much as 80%. And digital construction and prefabrication helped achieve an estimated 56% reduction in CO2 emissions compared to alternative solutions. When completed, the dam is expected to withstand a once-in-ten-thousand-year storm.

Lower CO² emissions

Less design coordination time

Industry AEC

Key technologies:

Revit

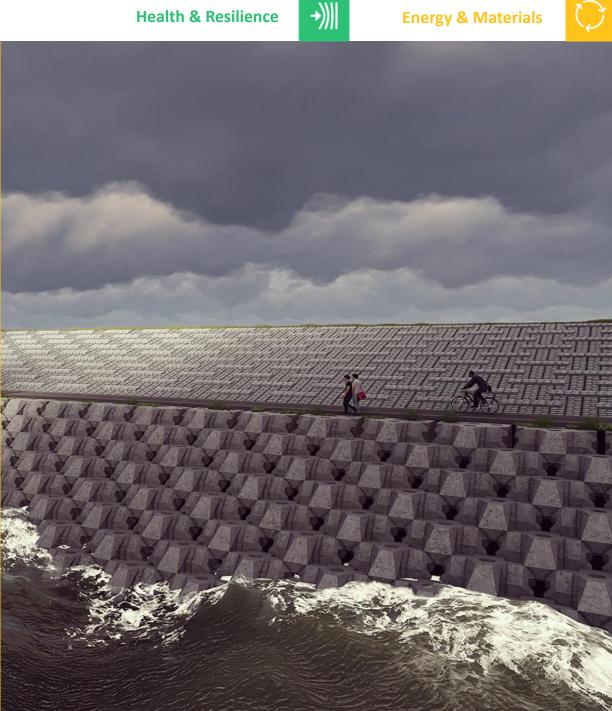
Autodesk Construction Cloud

BIM 360

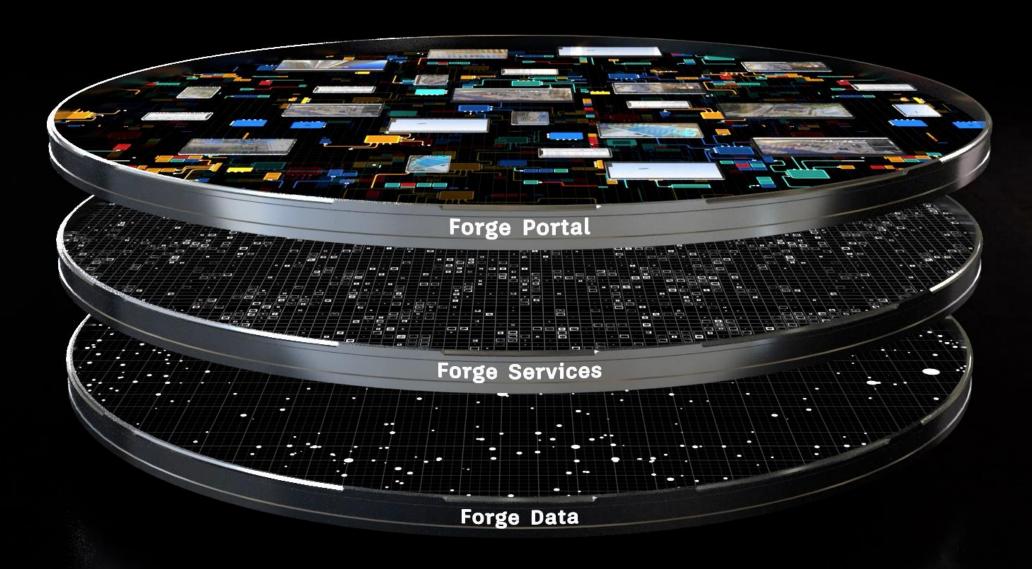
Assemble

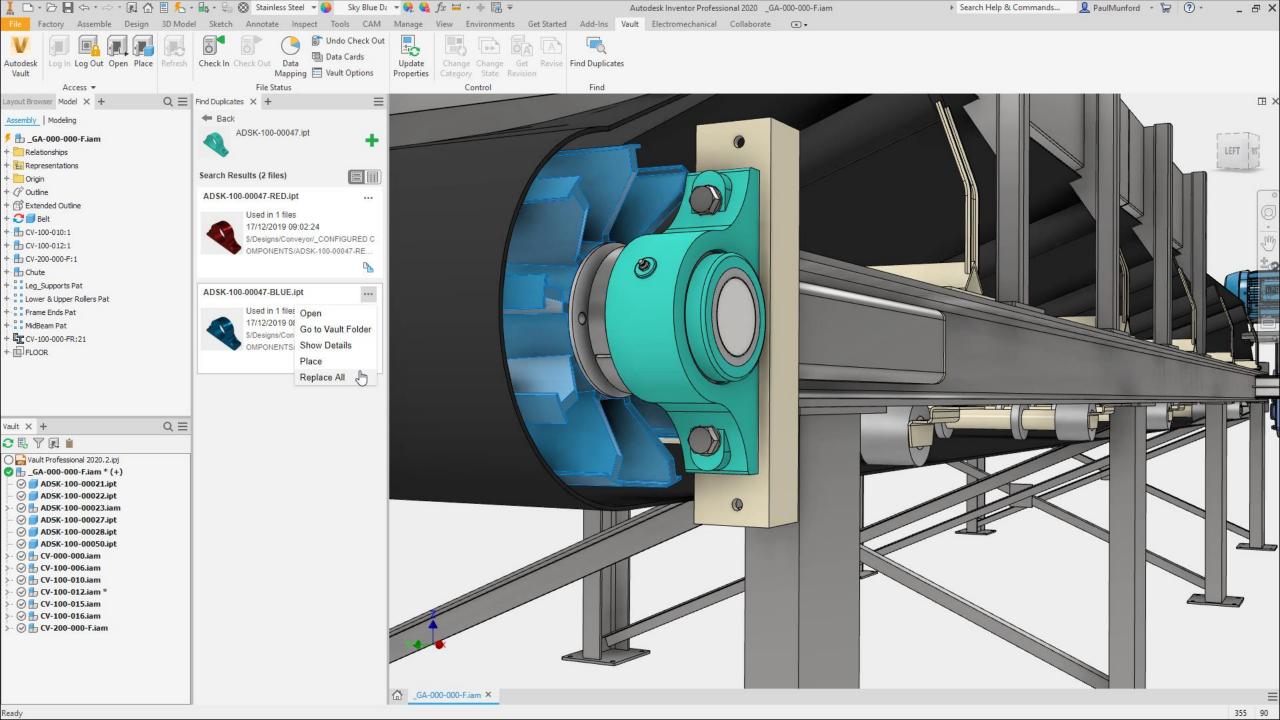
Civil 3D

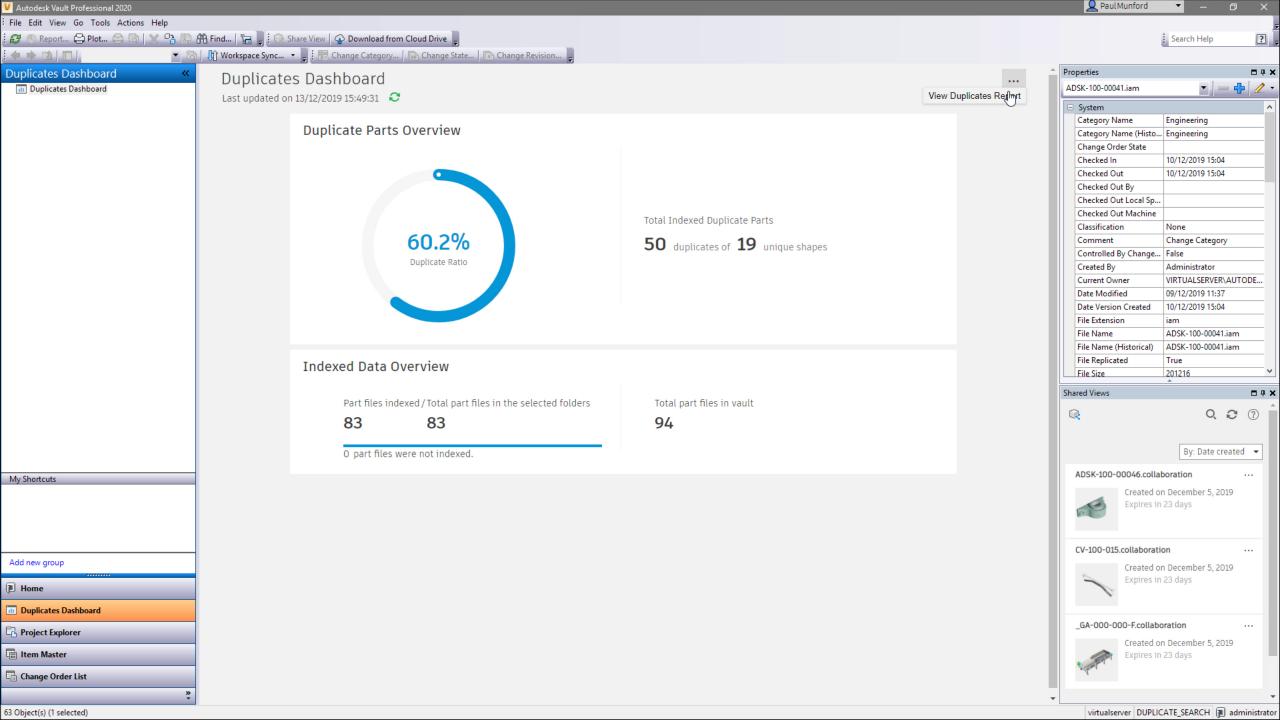
Inventor Navisworks

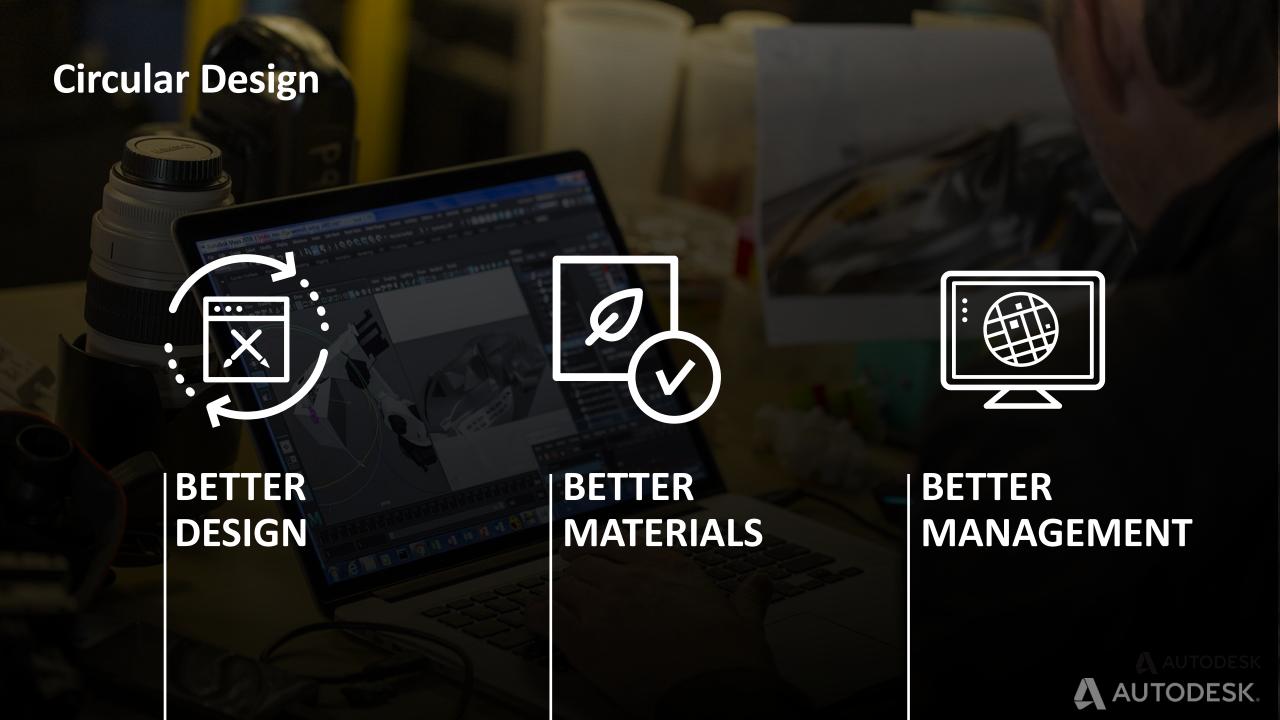


The Forge platform

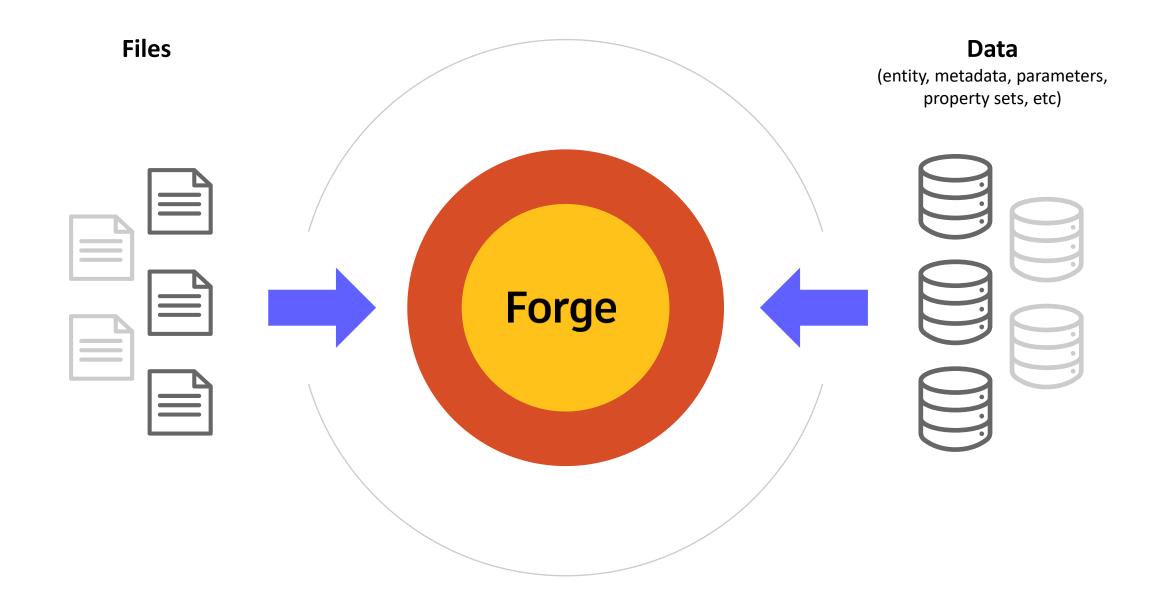








We are evolving from files to data



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