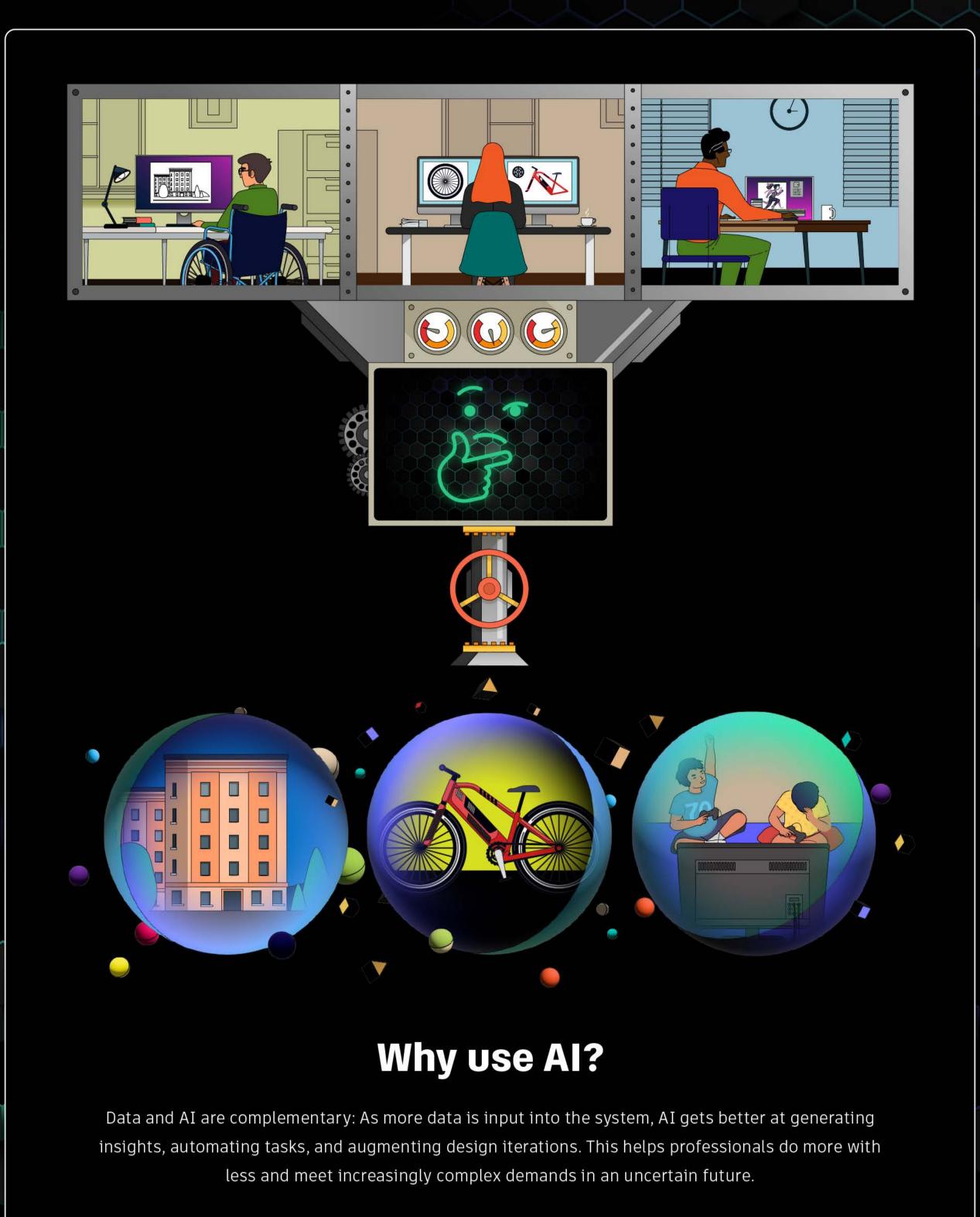
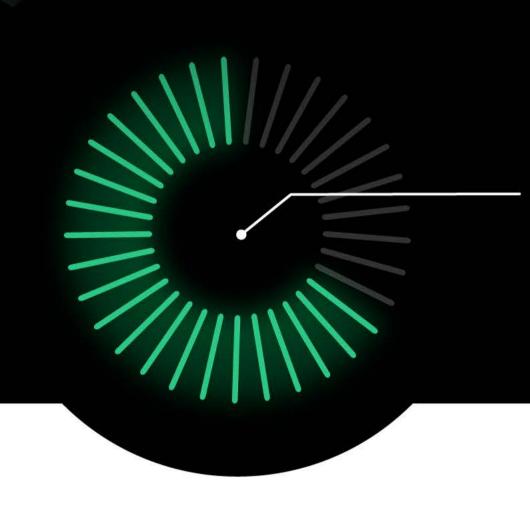
How will AI revolutionize human innovation?

AI will augment creative exploration and problem solving for professionals in the architecture, engineering, construction, manufacturing, and media and entertainment industries. Computers are good at spotting patterns in huge sets of data, which helps humans cut through complexity, innovate faster, make better decisions, and radically save time.





agree that in 2–3 years, AI will be essential for their businesses.

66% of leaders

Types of AI



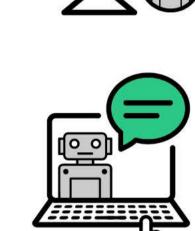
Machine learning is a subset of AI that enables computers to "learn" and make decisions based on data sets without

being explicitly programmed.

Machine learning (ML)

Deep learning Deep learning uses machine-learning algorithms with

biologically inspired logical structures called "artificial



neural networks." It focuses on deep neural networks to model and solve complex problems.

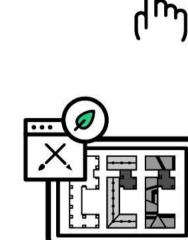
Generative AI

Generative AI produces novel creations based on pretrained deep neural networks that produce probable, albeit unvalidated, outputs. ChatGPT is an example.

real-world simulations and arrive at optimal designs.

input parameters. Generative design solutions may

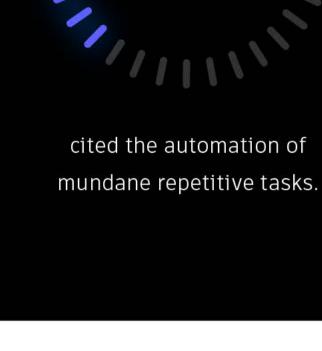
Using algorithms, it produces outputs defined by specific

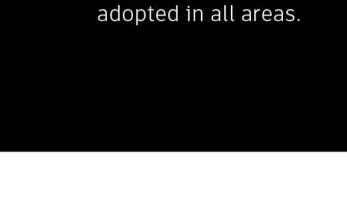


Generative design Generative design uses computation to run many

employ AI, but not always.



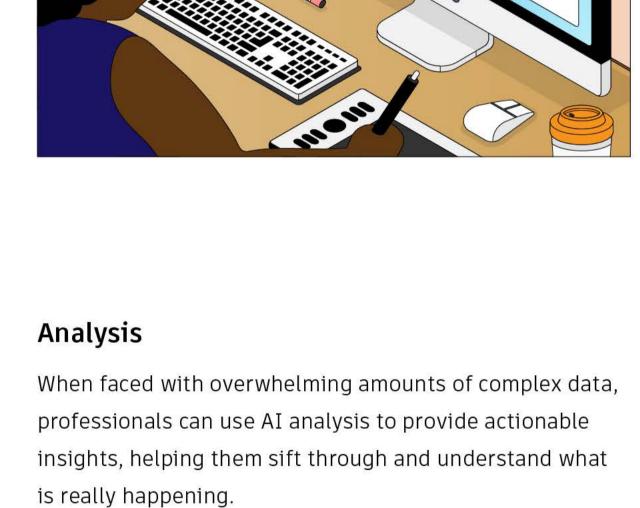




believe AI is ubiquitous and will be

Automation Automation removes tedious, repetitive work by

Top 3 benefits of Al



Augmentation

automating steps that traditionally required manual work

or overhead, freeing up more time for creative work.



Augmentation enhances problem-solving, creativity, and

exploratory capabilities by improving the speed, accuracy,

and breadth of thinking through contextual assistance.

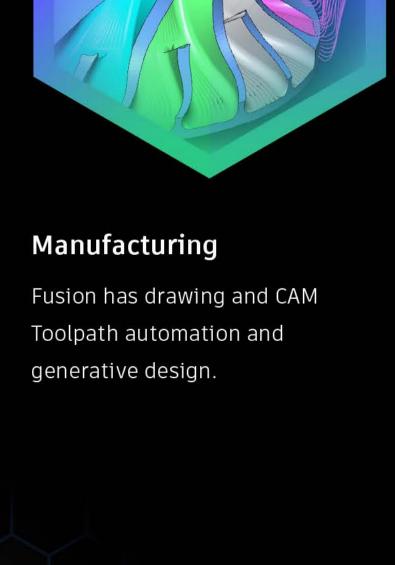
How is Autodesk using AI? Autodesk has invested in AI for the past 10-plus years, integrating AI capabilities into its solutions so professionals can focus more on what they love: designing

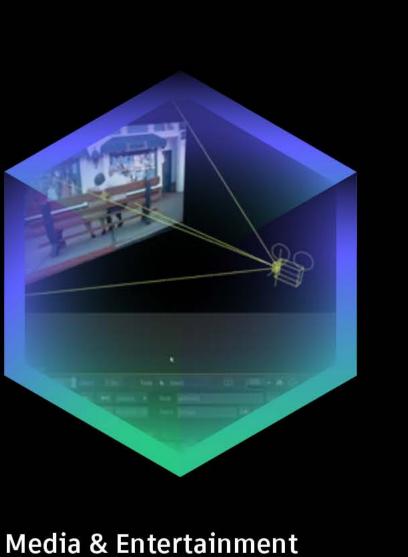
AutoCAD has smart-block suggestion and markup assist, Civil 3D has drainage design, Forma has

Architecture, Engineering,

and Construction

predictive analysis, and Autodesk Construction Cloud has construction analytics via Construction IQ.





Maya Assist has natural language translation.

Flame has camera tracking, and

77% of companies will increase or strongly increase investments

In the next 3 years,

in AI and emerging technologies.



with **AUTODESK**