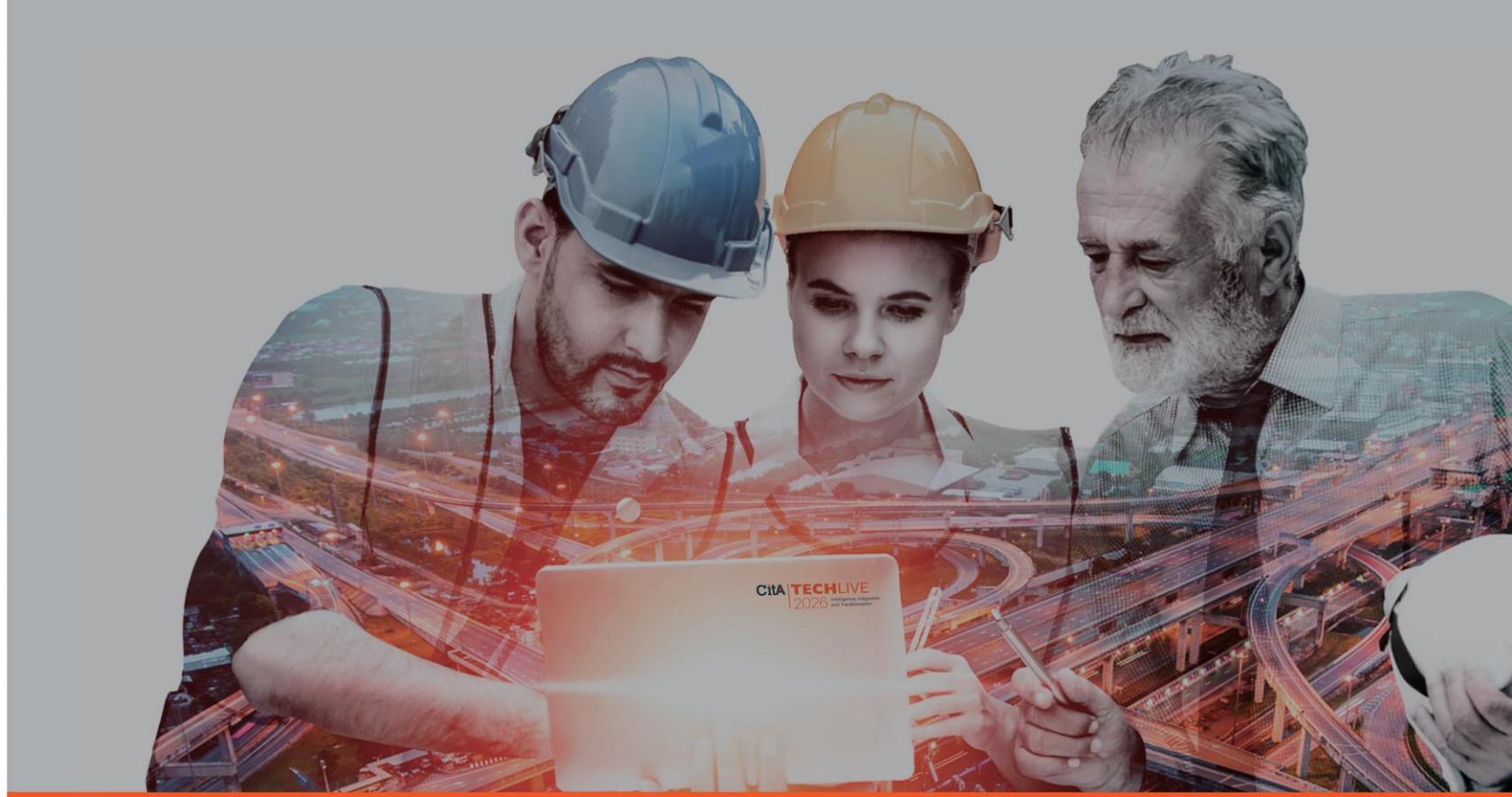
CitA | TECHLIVE 2026

Intelligence, Integration and Transformation



Dexcom Stadium, Galway,
12th November 2026



Shaping the Future of Construction

Mairead Gallagher Morgan

Making agentic workflows work for AEC Teams.

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My journey through digital transformation,

From architecture to design technology to community leadership

Sectors:
Aviation and transport · Education · Justice · Commercial · High-end residential · Build-to-rent · Retail · Culture · Interiors

01
Undergraduate
Architectural education +
Pre-University Architectural Experience

02
Masters
Architectural education

03
Architectural Practice
AHMM, Capita, DartonEGS,
UK BIM Framework – Government led project
ISO19650

04
Buro Happold
Specialist UK BIM Innovation Lead
across 14 specialist disciplines
ISO19650
Global projects

05
Grimshaw
BIM Lead Europe and Middle East: London, Paris, and Dubai studios
ISO19650 Audits
Global 300+M projects

06
AUTODESK Forma
Head of Community (Global)

20+ years in architectural + design led AEC practice



Outreach, recognition, and awards

Mentoring, speaking, and judging across the AEC industry

2017 to 2018

WIP South West Committee UKCW Role Model,
UKCW Highly Commended Role Model of the Year.

2018 to 2020

Vice Chair, YEP Bristol
Ambassador, Bristol Sport

2020 to 2023

Women in BIM Mentor and Speaker London
London Build speaker and Ambassador

2023 to 2024

UK Construction Week speaker
Building Innovation Awards judge
Women in BIM Regional Lead

2025

Keynote speaker Panels: Digital Construction Week, Future Build, UKREiiF
Judge: RIBA East, Digital Construction Awards
Finalist, Digital Change Maker Award
AEC Innovators Circle podcast

2026 - Ongoing

Top 50 Contech judge
AEC conference speaker
Podcasts
AEC Awards Judge
AEC Ambassador

Stand up if ...

… you stopped reading a document because you could tell an agent wrote it

Stay standing if you have created an agent.

Continue to stand...

... if you used an agent every day last week

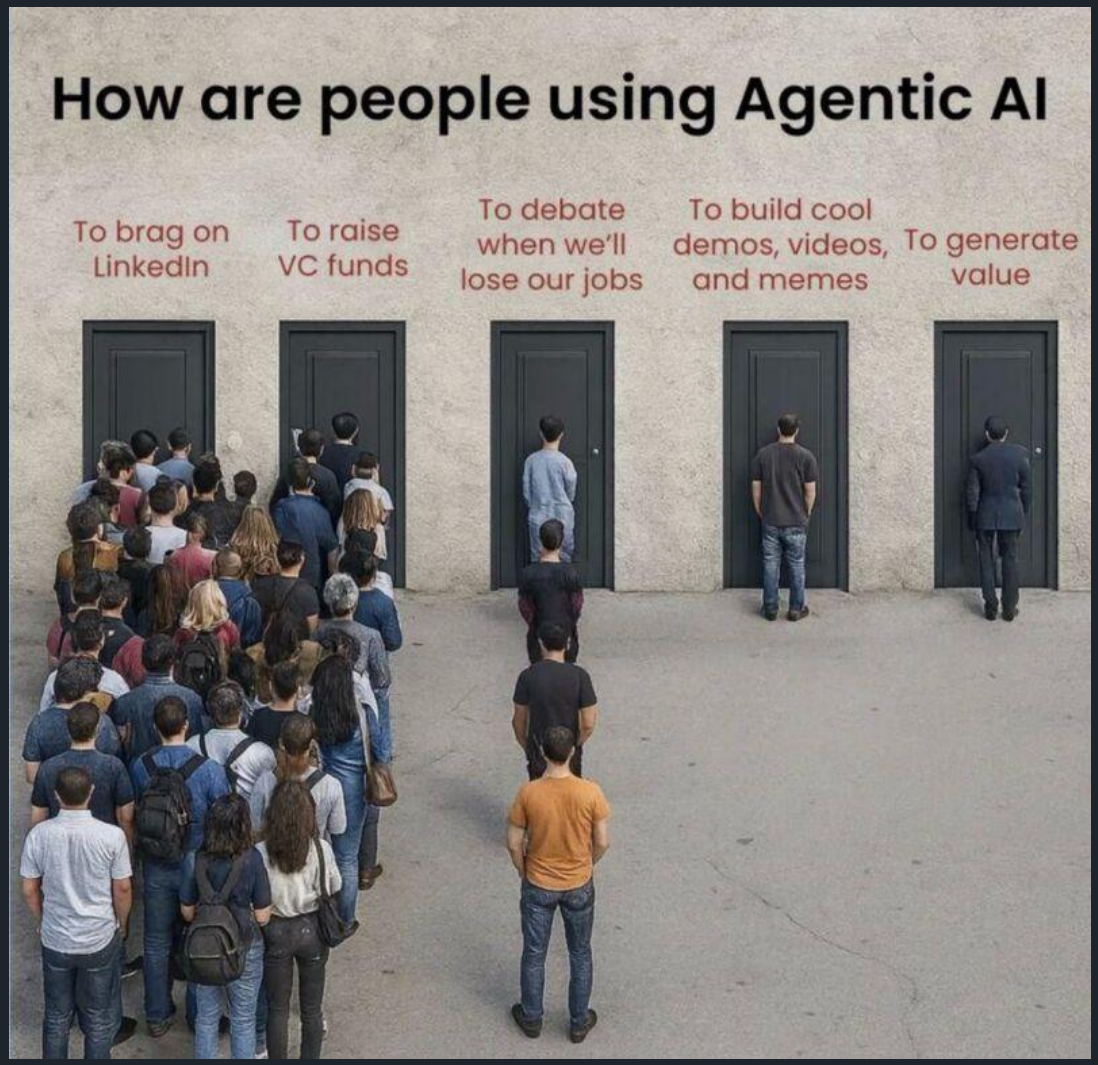
Stay standing if you've once been unsure whether to trust what came back

Stay standing if it gave you something you had to throw away

Stay standing if you spent more time setting up the agent than you saved by using it.



Some Reality





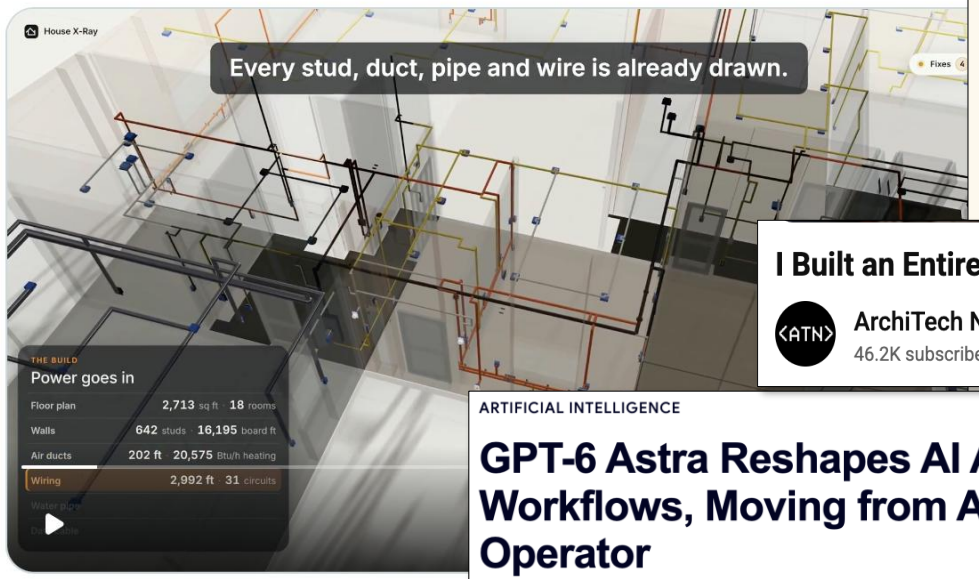
The AEC world has changed...

Dan Fein ✓
@dfeinition

Opus 5.5 built a fun little demo that x-rays a make-believe house with pipes, wires, ducts and all.

It finds four mistakes and fixes them before anything is built.

Now picture an actual expert builder making a tool like it their own. 🔧



2:11 PM · Sep 23, 2026 · **13.9K** Views

#+ Also sent to the channel

Zach Kron Monday at 21:28
I'm shook
Opus 5.5 in CoWork

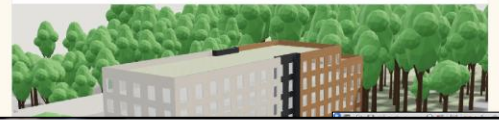
> You are a Real Estate Developer in Seattle Washington. Find
> investment" multi-family residential development you can fit
> Design Guidelines <reference> . Look at the six Seattle proje
> To create the model options and 3d images for the proposal,
> in console. Package it all as a ppt deck.

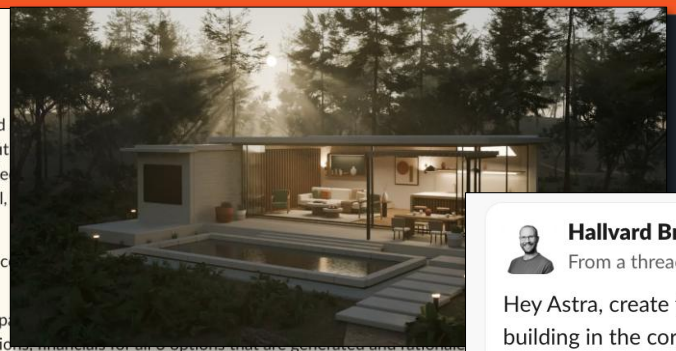
CoWork asked 3 clarifying questions (Market rate? Rentals or c
hours.

It's going to take me a little time to really vet this, but on first p
things like relationship to BRT and zoning analysis, street sectio
decisions. It makes the classic 9-block sun studies that we prototyped for the US market using NOAA sun positioning algorith
materials page is kind of hilarious, just making color fills for things like brick patterns. This Bear is dancing pretty hard

PowerPoint Presentation

P Parkline145_EDG_Proposal.pptx
PowerPoint Presentation

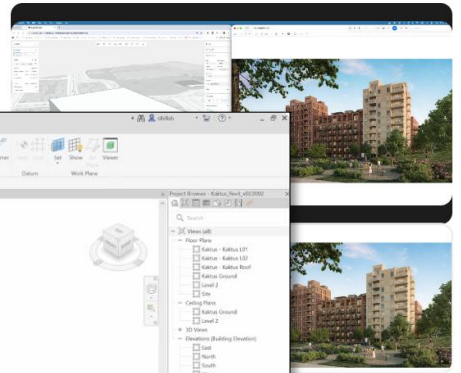




Hallvard Braaten Sep 15th
From a thread in # forma-squad-building-...

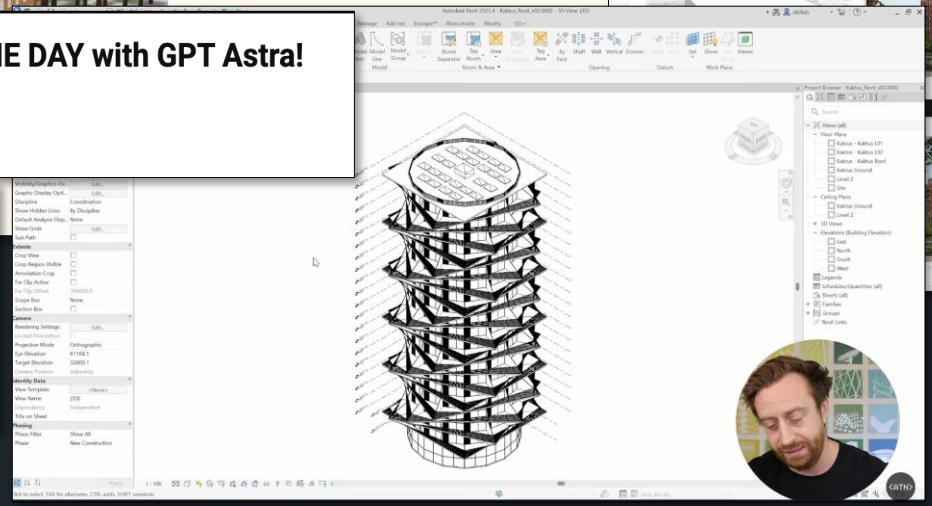
Hey Astra, create facade modules out of the building in the corner on the right on the picture. Make feasible and realistic modules out of the facade, including texture, and output them individually as a glb.

2 attachments | Download all



I Built an Entire Architecture Project in ONE DAY with GPT Astra!

ArchiTech Network
46.2K subscribers
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ARTIFICIAL INTELLIGENCE

GPT-6 Astra Reshapes AI Architecture Workflows, Moving from Assistant to Operator

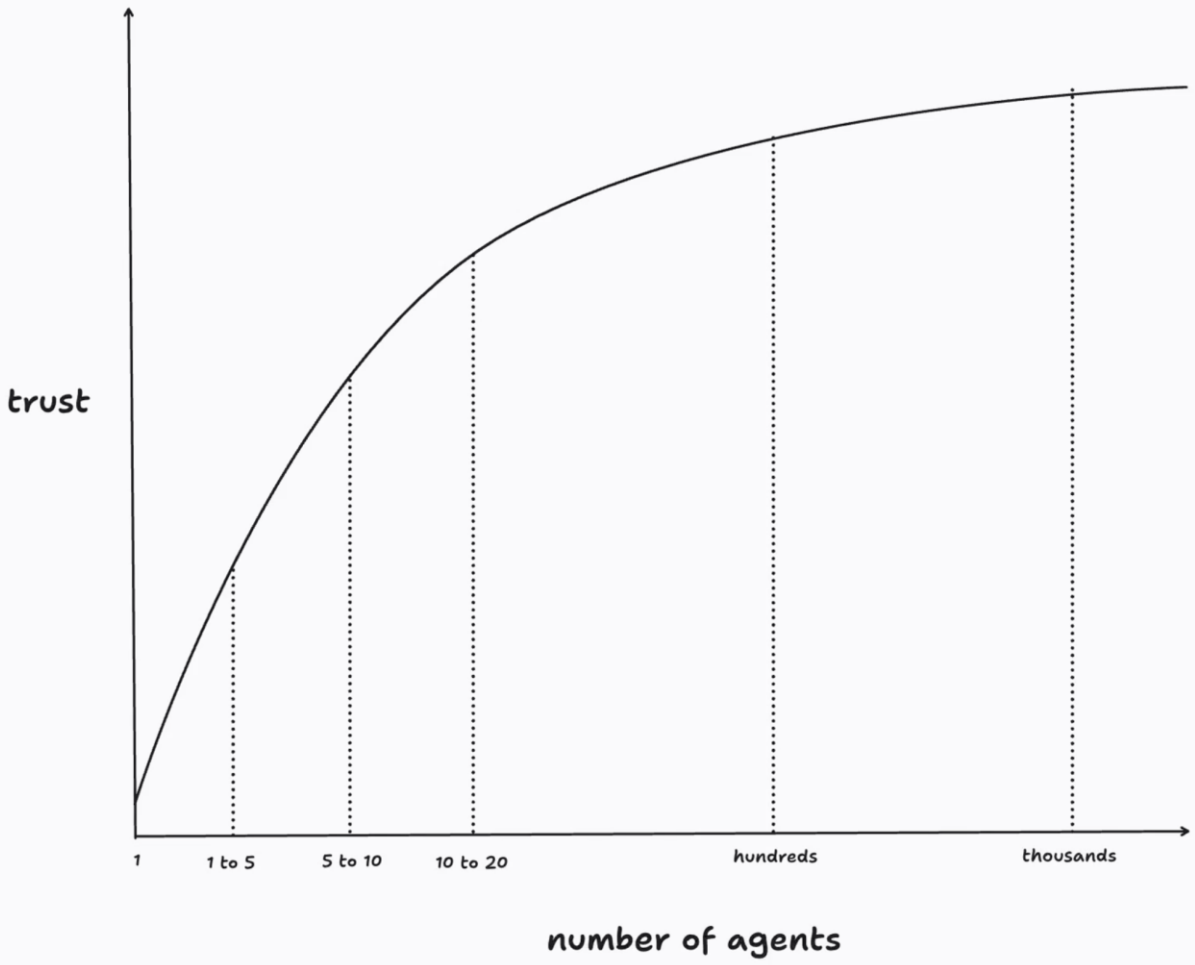
PA Editorial Team // Published: September 6, 2026

Share

Now let's talk about where we are today...



Now let's talk about where we are today



Trust curve from Lauren Tan (@poteto on X), "How I Shipped 2000 PRs Last Month: Trusting AI Agents"

Within my team at Autodesk Forma

The agent is a personal tool.

Majority of people here has a setup that works for them. Someone's prompts, someone's context files, someone's way of working.



AI Maturity Steps

1
Manual
Developers write all code, traditional manual approach to tasks.

2
Chat assisted
AI suggests code inline. No org strategy, no shared context

3
Agent assisted
AI executes full tasks. Humans orchestrate

4
Autonomous teams
Multi-agent, end to end. Humans set direction

What would it take for an agent to run many of your workflows without you watching?...

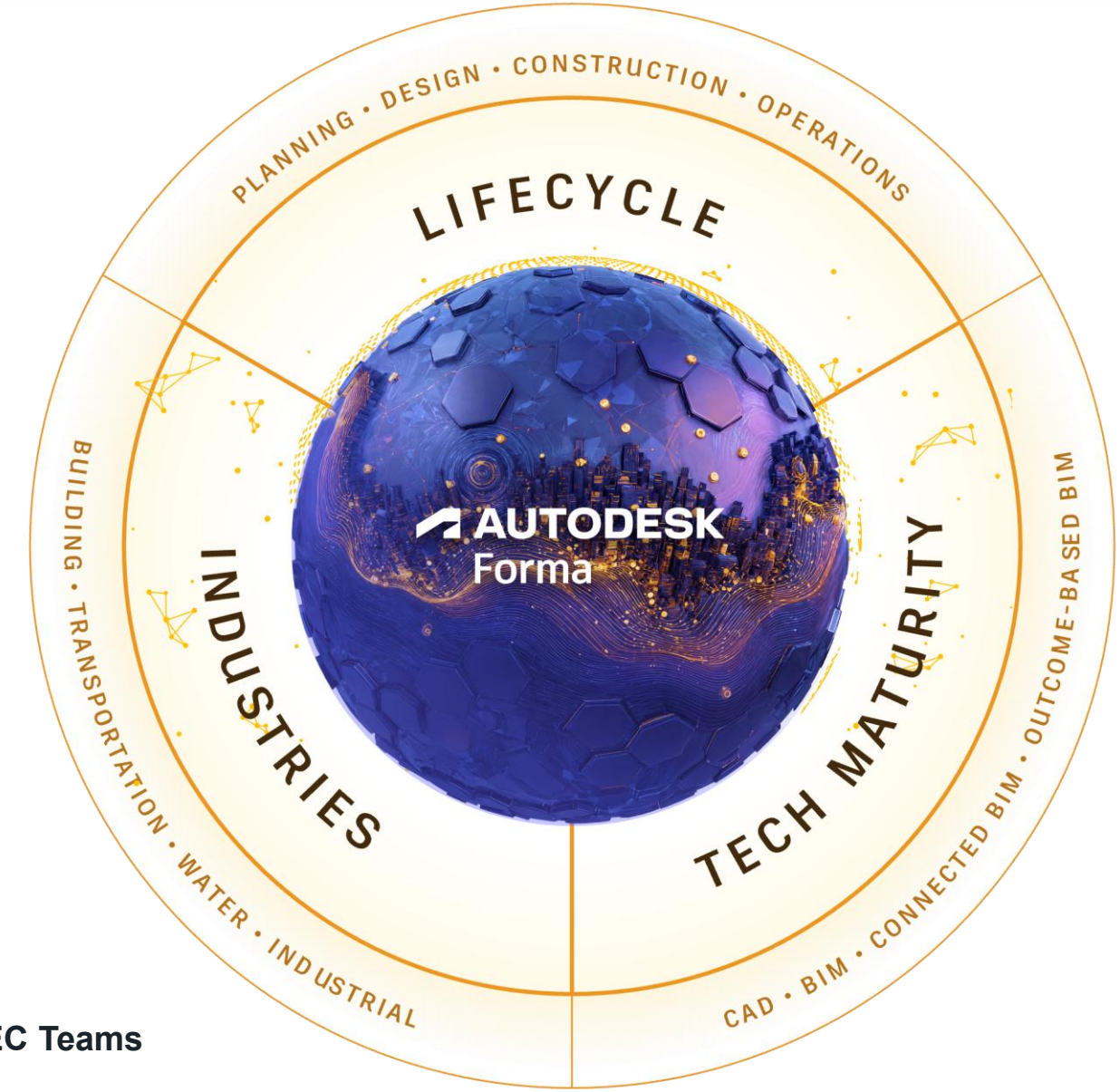
I'll leave that with you.



How Autodesk is enabling the shift

Autodesk Forma

The first comprehensive industry cloud for architects, engineers, contractors, and owners





Technology Acceleration



74%

of architecture practices now **use AI** in at least some projects

68%

of Design & Make leaders expect their organization's **AI investment** to increase over the next 3 years

46%

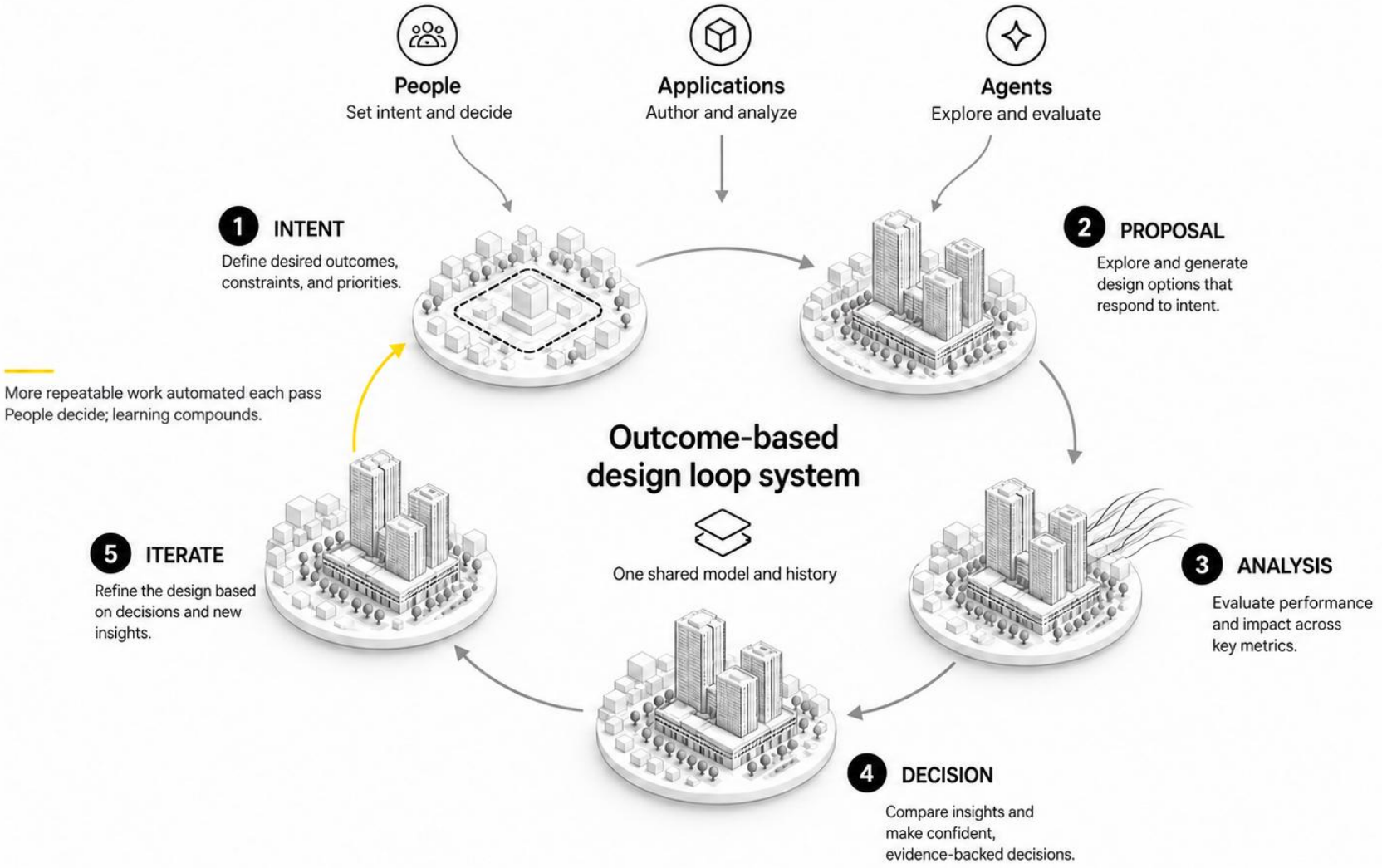
of Design & Make leaders say AI skills will be a top **hiring priority** over the next 3 years

Sources: **RIBA AI Report, 2026**/Autodesk State of Design & Make 2025

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Firms are answering to new expectations with increasing investment and prioritizing new skills





Making agentic workflows work for AEC Teams

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How it comes together

CANVAS APPLICATIONS



Site Design



Street Design



Building Design

INTELLIGENT AGENTS



Autodesk Assistant



Domain agents

THIRD PARTIES



Third parties

CONNECTED CLIENTS



Revit



Civil 3D

Shared tools

Compass

Analysis

Contextual data

Board

OPEN STANDARDS

Unified Design Model

In-market scenario

OWNED MODELS

Terrain · Streets · Buildings

AGENT CONTRIBUTIONS

Proposals + results

REFERENCES

Revit · Civil 3D

AECDM

One Shared History

Intent & constraints

Proposals & branches

Analysis & results

Decisions, review, & iterate



Shape what comes next



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Thank you for your time