



Struct.IQ  
BY AEC

Letting AI code in our design tools  
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**AEC**

# Artificial Intelligence changes our business fundamentally

-> 40%  
Engineering

-> 50%  
Gen design

Market  
adapts

Key is to understand how to get going

Sources: *McKinsey & Company* reports on automation and digitization in construction, which project significant labor savings from AI-driven technologies. *Deloitte's* insights on AI in construction discuss how AI can improve productivity in areas like design, simulation, and material management. *Autodesk's* research on Building Information Modeling (BIM) highlights how AI is expected to streamline tasks like design updates and project management. *World Economic Forum (WEF)* has explored the broader implications of AI and robotics on reducing manual work hours across industries, including construction. Industry expert projections from sources like Construction Dive and Engineering News-Record (ENR) also estimate the extent to which AI will automate design and engineering tasks.

# 3 Questions

- What is your main concerns today utilizing AI?
- How would you make sure the tool is used
- How would you connect business value to the gain?

If successful – possibilities are almost endless



# Main concerns today utilizing AI?

Validity – the mirror, code  
Judge



Security – customer owns data  
and training



# How to make sure its used

Reusable – simple worksharing



Natural – embedded,  
interconnected





# Business value to gain?

Competitiveness in projects  
and tenders

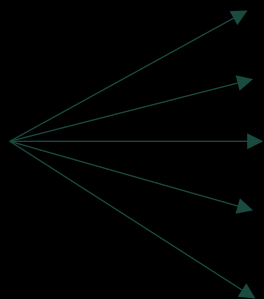


Increased value – Quality, risk,  
staff use






The value is not that we connected AI to tools. It's the skillsets we train it with and the reliability given back.




- Explain (prompt)
- Store (library)
- Share (company)
- Combine (Collections)
- Automate (Agentic collections)



A decorative graphic consisting of several gray squares of varying sizes arranged in a sparse, abstract pattern on the right side of a black background. The squares are positioned at various intervals, creating a sense of depth and movement.

We let over 20 companies  
roam free (including us)

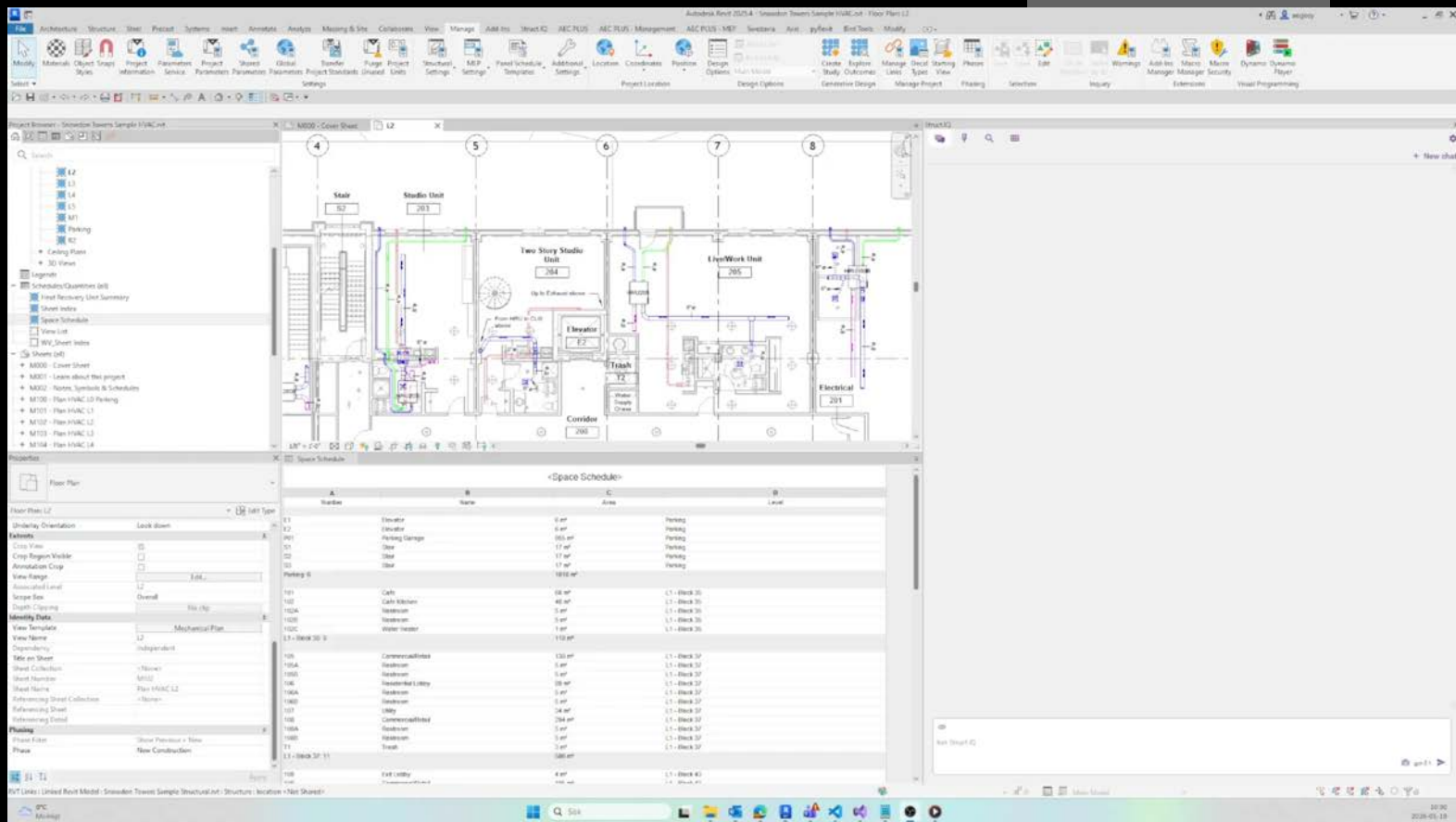



A decorative graphic consisting of several gray squares of varying sizes arranged in a staggered, descending pattern from the top right towards the bottom right of the slide. The squares are set against a solid black background.

Reliable prompts are made  
as static libraries –  
shareable in company



## Distributing and calculating airflow in vents, validating to Swedish standard



A decorative graphic consisting of several gray squares of varying sizes arranged in a sparse, non-uniform pattern on the right side of a black background. The squares are positioned at various intervals, creating a modern, abstract aesthetic.

Future ?  
Agentic flow spanning over  
all project

Assistant

⌵

🏠

Actions

🔍

😊

⚙️

📋

▼ Action group

(1) ...

📁 Action

🔔

Drag tasks here

New action +

No actions checked ▶️ 🕒

Available tasks

🔍 Search

Assistant AutoCAD Cloud Dynamo Navisworks Revit Scripting Solibri Tekla

👤 AI Agent

Use a AI Agent to perform the operation described. Can use MCP tools to get the job done.

🗑️ ArcGIS Delete Task

Use this task to delete files from ArcGIS online

📄 ArcGIS Download Task

Use this task to download files from ArcGIS to your device

⚙️ Assistant Extension

Select from a range of extensions built for Assistant, configure to your needs and run.

🏠 AutoCAD Extension

Select from a range of extensions built for AutoCAD, configure to your needs and run.

📄 Batch script

Run a batch script (.bat).

📄 BIM 360/ACC Download

Download files from BIM 360/ACC.

📄 BIM 360/ACC Upload

Upload files to BIM 360/ACC.

🏠 Close AutoCAD

Closes the active AutoCAD instance. AutoCAD will stop immediately.

🔌 Close Dynamo

Closes the active Dynamo instance

🔌 Close Navisworks

Closes the active Navisworks instance. Navisworks will stop immediately.

🔌 Close Revit

Closes the active Revit instance. Revit will stop immediately.

📄 Close Revit model

Close a Revit model

🔌 Close Solibri

Closes the Solibri started by the "Start Solibri" task

🔌 Close Tekla

Closes the active Tekla instance. Tekla will stop immediately.

🔌 Conditional

Use this task to set up conditions for your tasks to be executed. Conditions: if, elseif and else.

🔄 Coordination Tool refresh mappings

Refreshes all the mappings in Coordination tool

📄 Copy directory

Copies a directory

📄 Copy file

Copies a file

📄 Create folder

Creates a folder

⌚ Delay

Delays execution of next task by specified amount of time





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