



AEC Technology: Fear, Fact, Future



Carl Storms
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Session *Presentation* Available Here

[*bimtrack.co/dcw*](https://bimtrack.co/dcw)

The screenshot displays the BIM Track website's 'DCW 2021 - BIM Track presentations' page. The navigation bar at the top includes links for Features, Plans, Resources (highlighted), Blog, Careers, and About, along with a 'Sign up' button. The main content area features six presentation cards arranged in a 2x3 grid. Each card includes a thumbnail image, a title, and a brief description.

Thumbnail	Title	Description
	The case for BIM collaboration - going beyond coordination	The case for BIM collaboration - going beyond coordination
	Paving the Way for true interoperability	The behavioral side of digitalization Open standards and Openness to change.
	bridging the gap between the job site and preconstruction	The immense value of taking BIM to the field
	BIM Track - Better coordination, Better teams, Better buildings	BIM Track - Better coordination, Better teams, Better buildings
	Apps & Add-ins for Your VR Workflow	Apps & Add-ins for Your VR Workflow
	AEC Technology: Fear, Fact, Future	AEC Technology: Fear, Fact, Future

Agenda

- **Introductions**
- **Augmented & Virtual Realities**
- **Generative Design**
- **Internet of Things**
- **Unmanned Aerial Vehicles**
- **Robots**
- **Artificial Intelligence**
- **Questions**

Your *Speaker*



Carl Storms

Technical Solutions Lead | BIM Track

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Twitter: [@theBIMsider](#)
Blog: [The BIMsider](#)
LinkedIn: [Carl Storms](#)
Podcast: [BIMThoughts](#), [BILT Academy Podcast](#)
[The Simply Complex Podcast](#)

- Worked in Residential & Commercial Architecture
- Worked in Commercial Construction (BIM/VDC)
- 10+ Years as a Collegiate & Industry Instructor
- Working with CAD
Since 1993, using since 1989
- Involved in the AEC Industry
Since 1998
- Utilizing and Advocating BIM
Since 2008
- Global Conference Speaker
Since 2014
- Autodesk Expert Elite

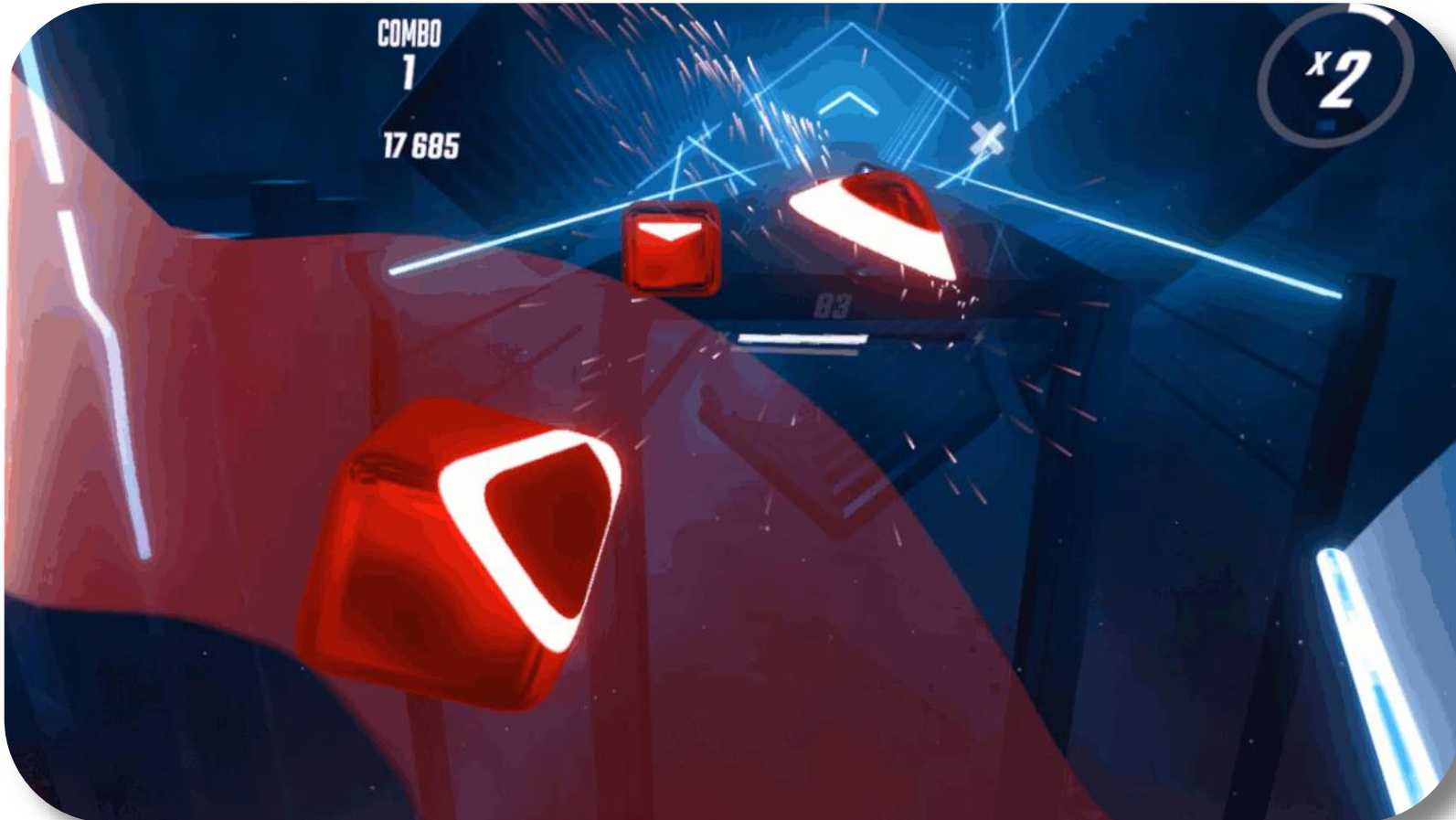
Augmented Reality / Virtual Reality

Fear

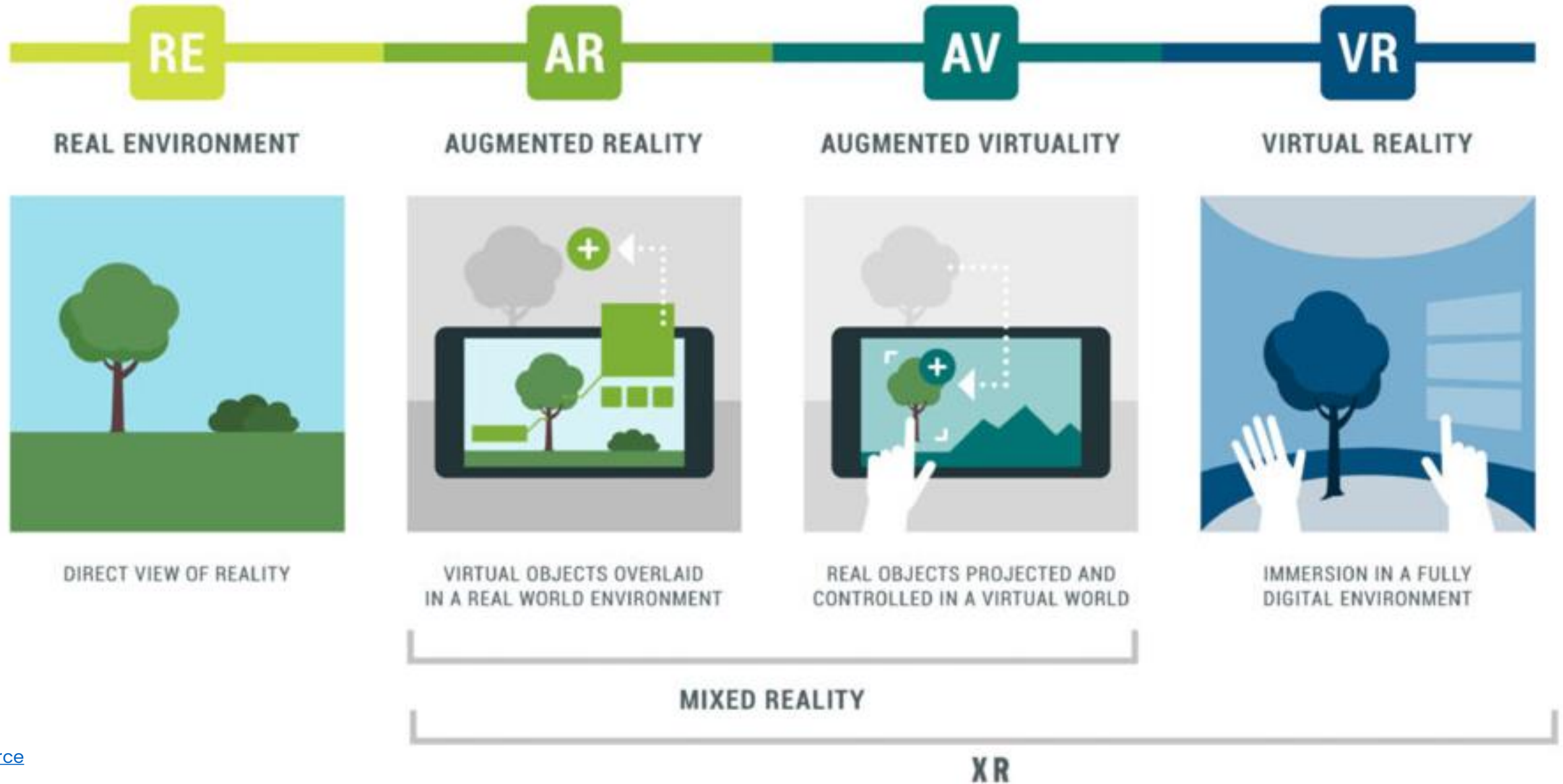


AR/AV/VR/MR/XR

FACT



REALITY-VIRTUALITY CONTINUUM



AR/AV/VR/MR/XR

FACT



AR/AV/VR/MR/XR

FACT



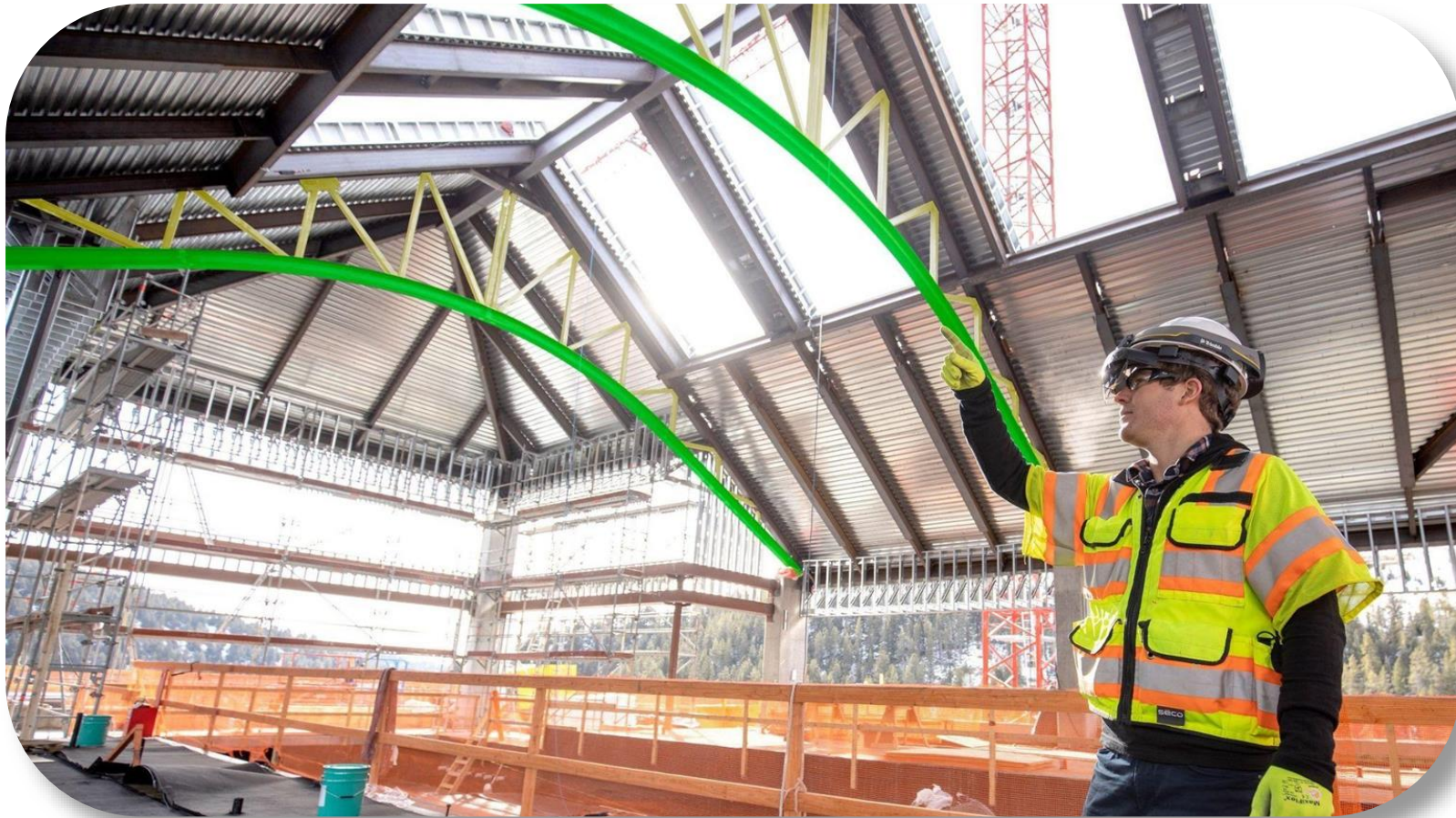
AR/AV/VR/MR/XR

FACT



AR/AV/VR/MR/XR

FACT



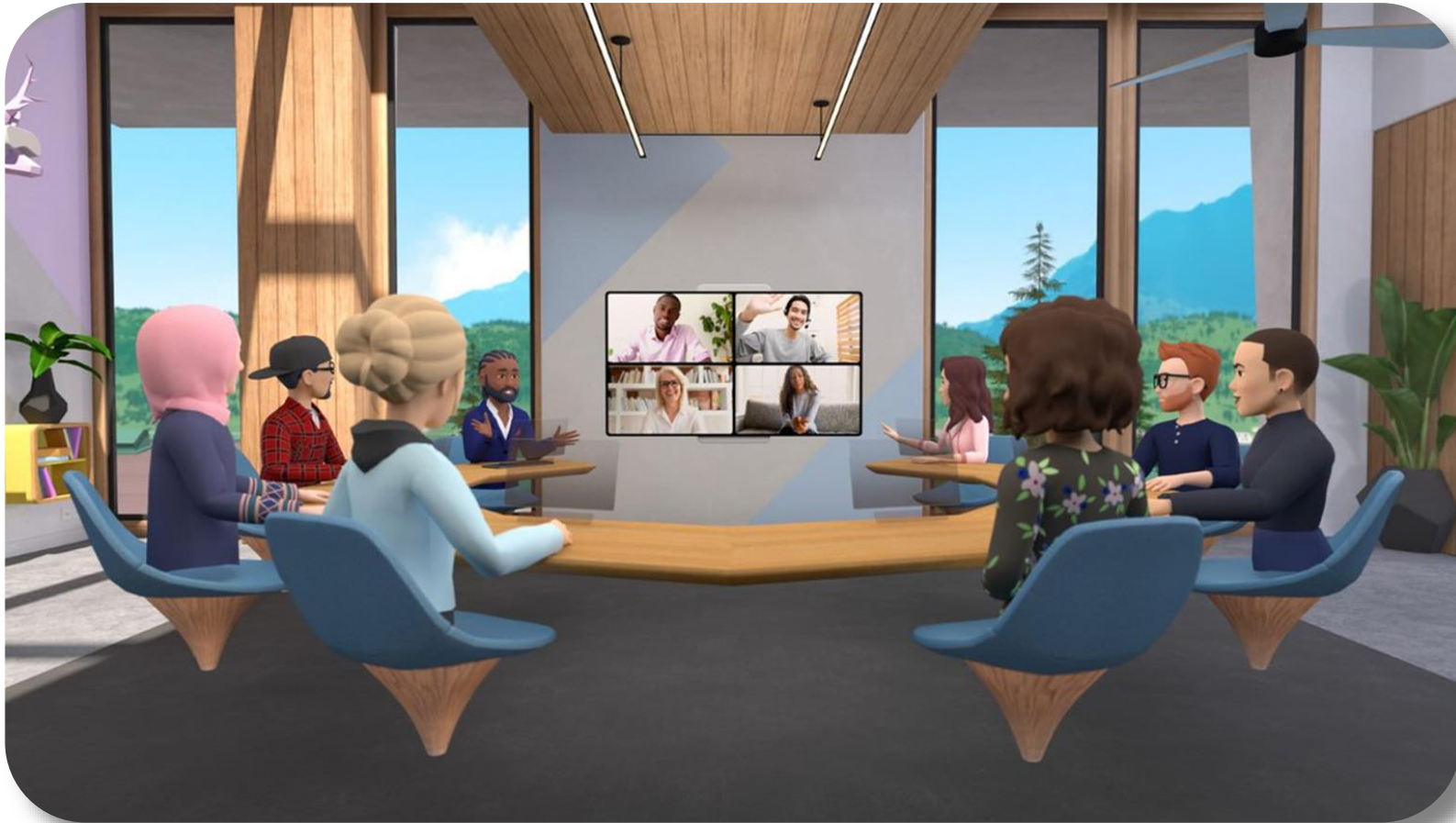
AR/AV/VR/MR/XR

Future



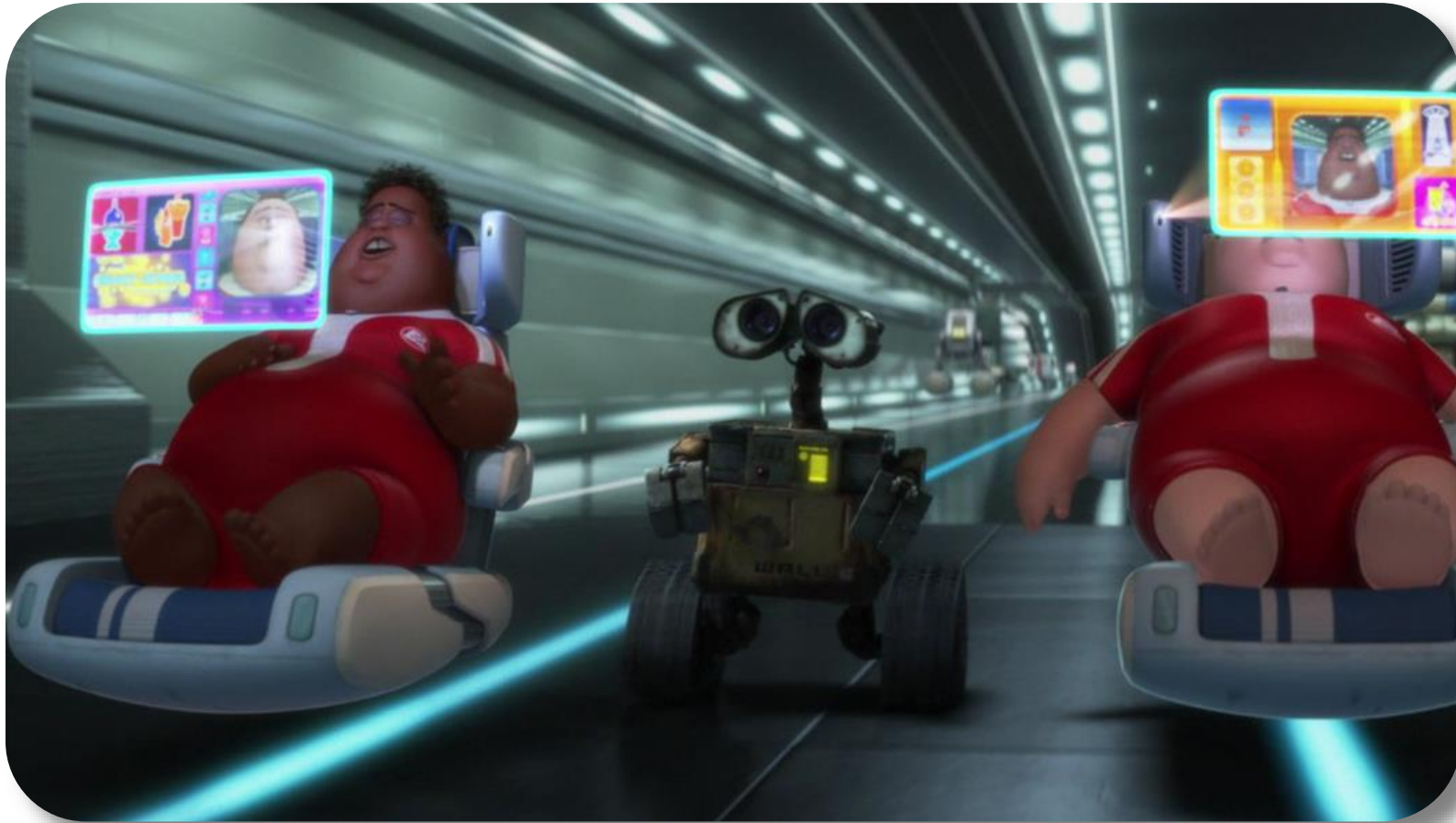
AR/AV/VR/MR/XR

Future



AR/AV/VR/MR/XR

Future



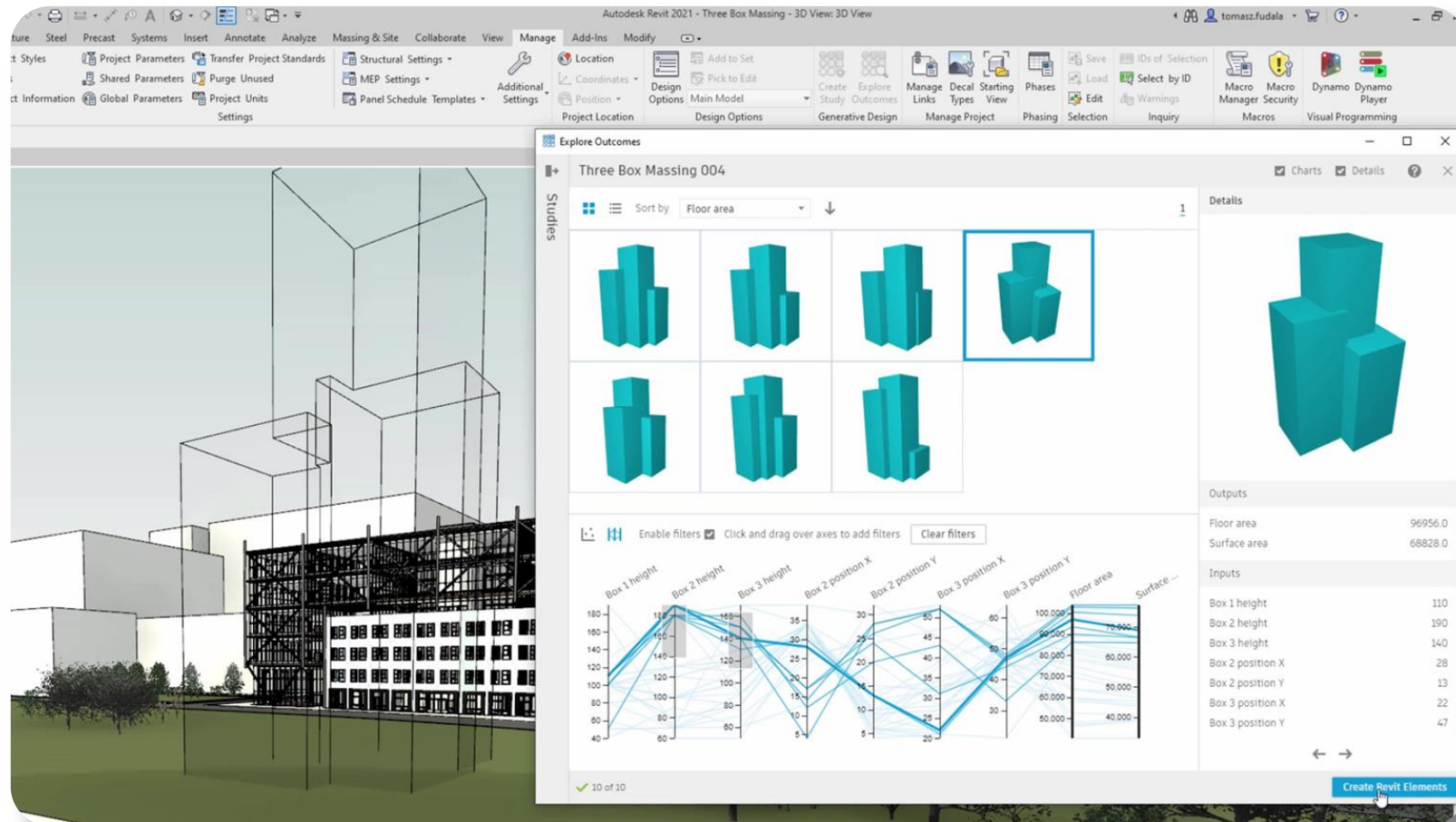
Generative Design

Fear



Generative Design

FACT



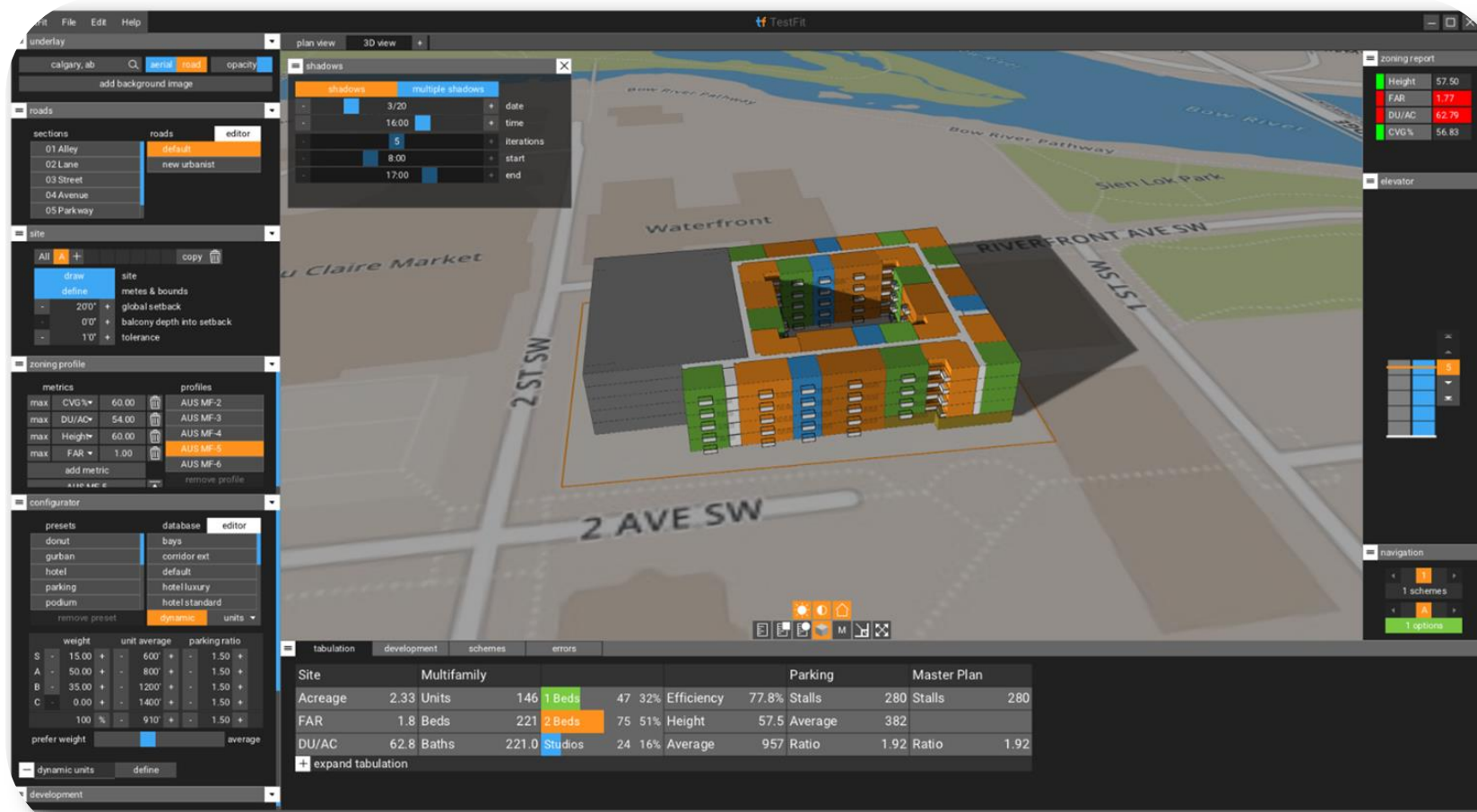
Generative Design

FACT



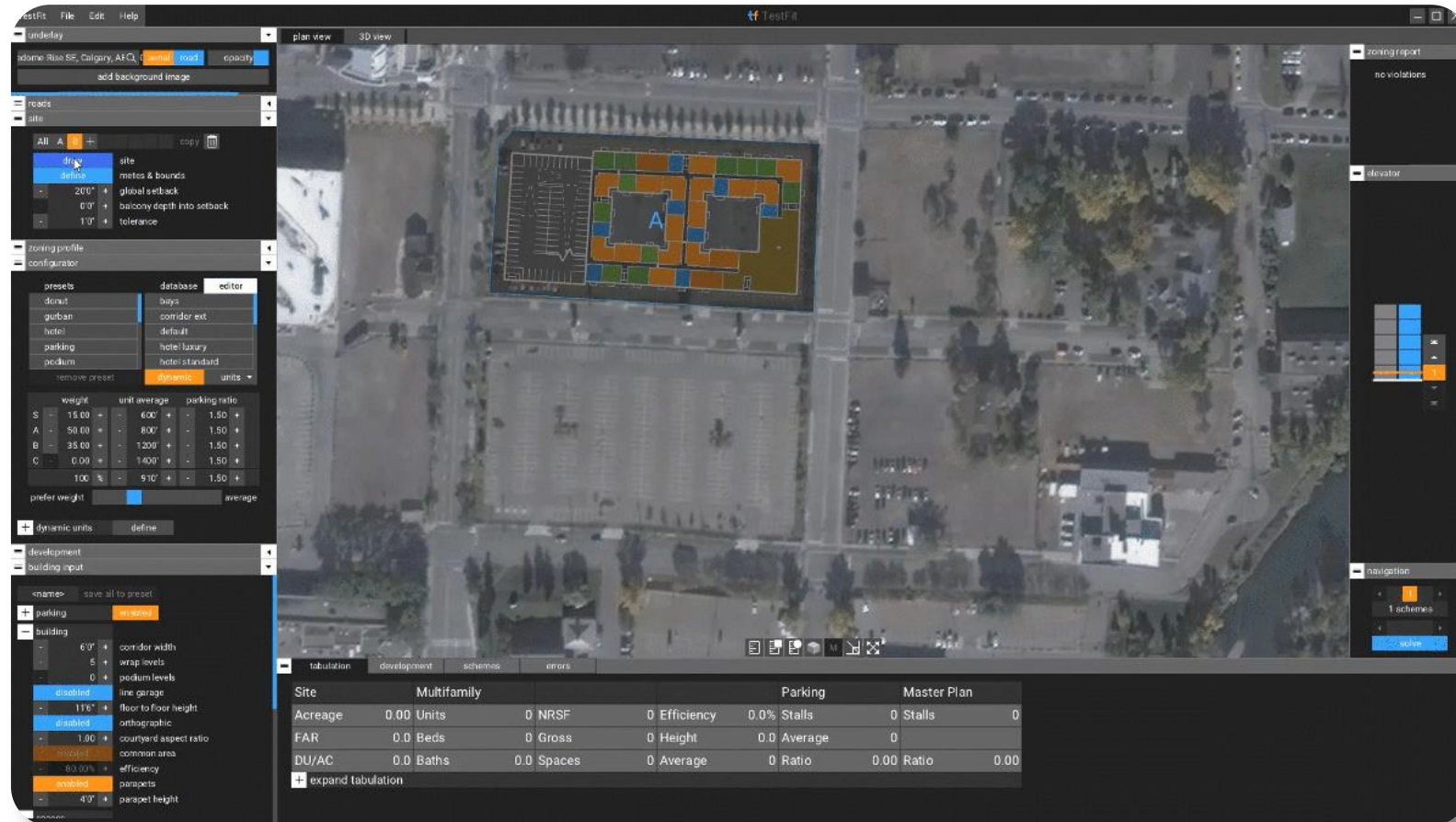
Generative Design

FACT



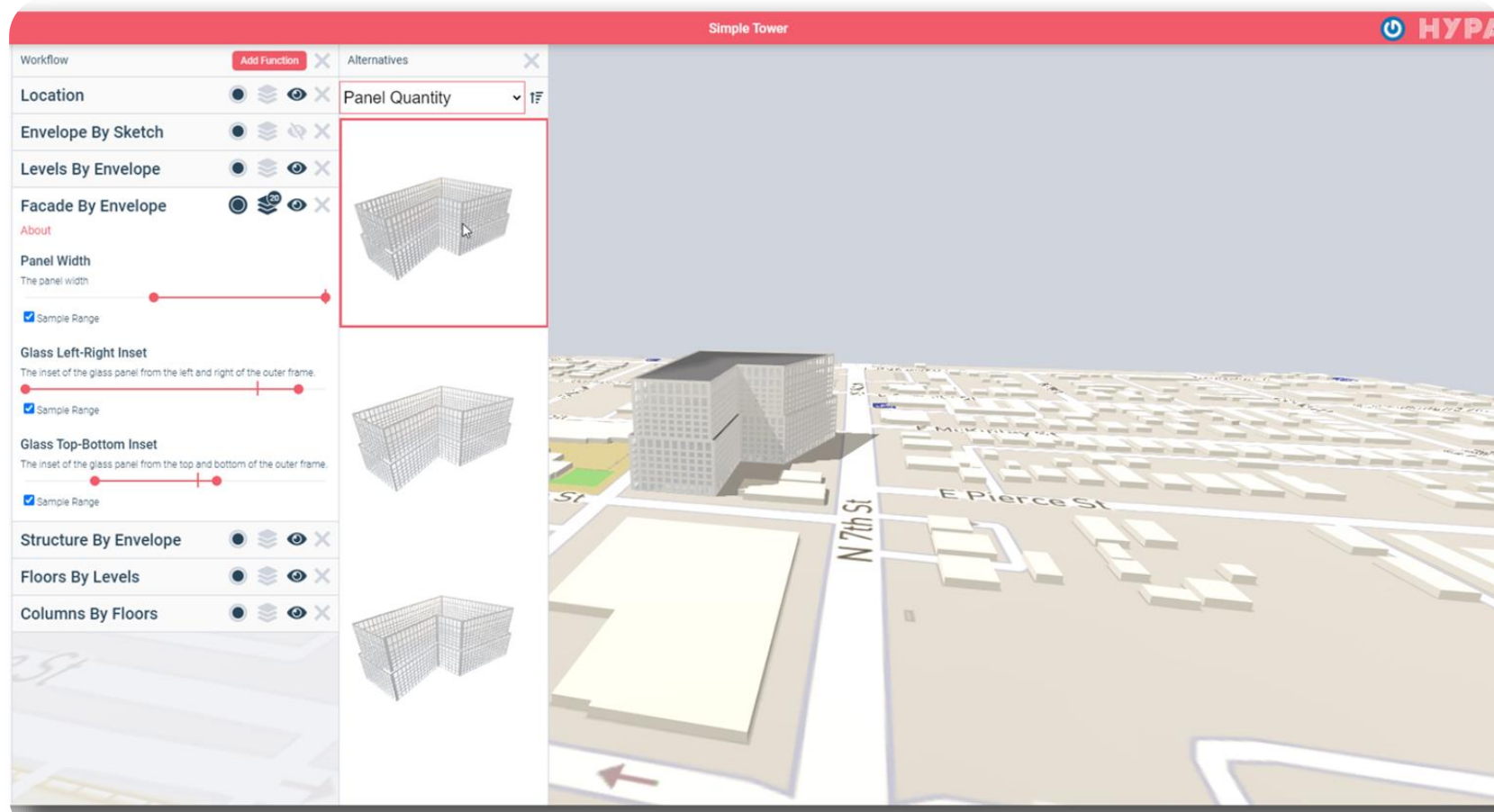
Generative Design

FACT



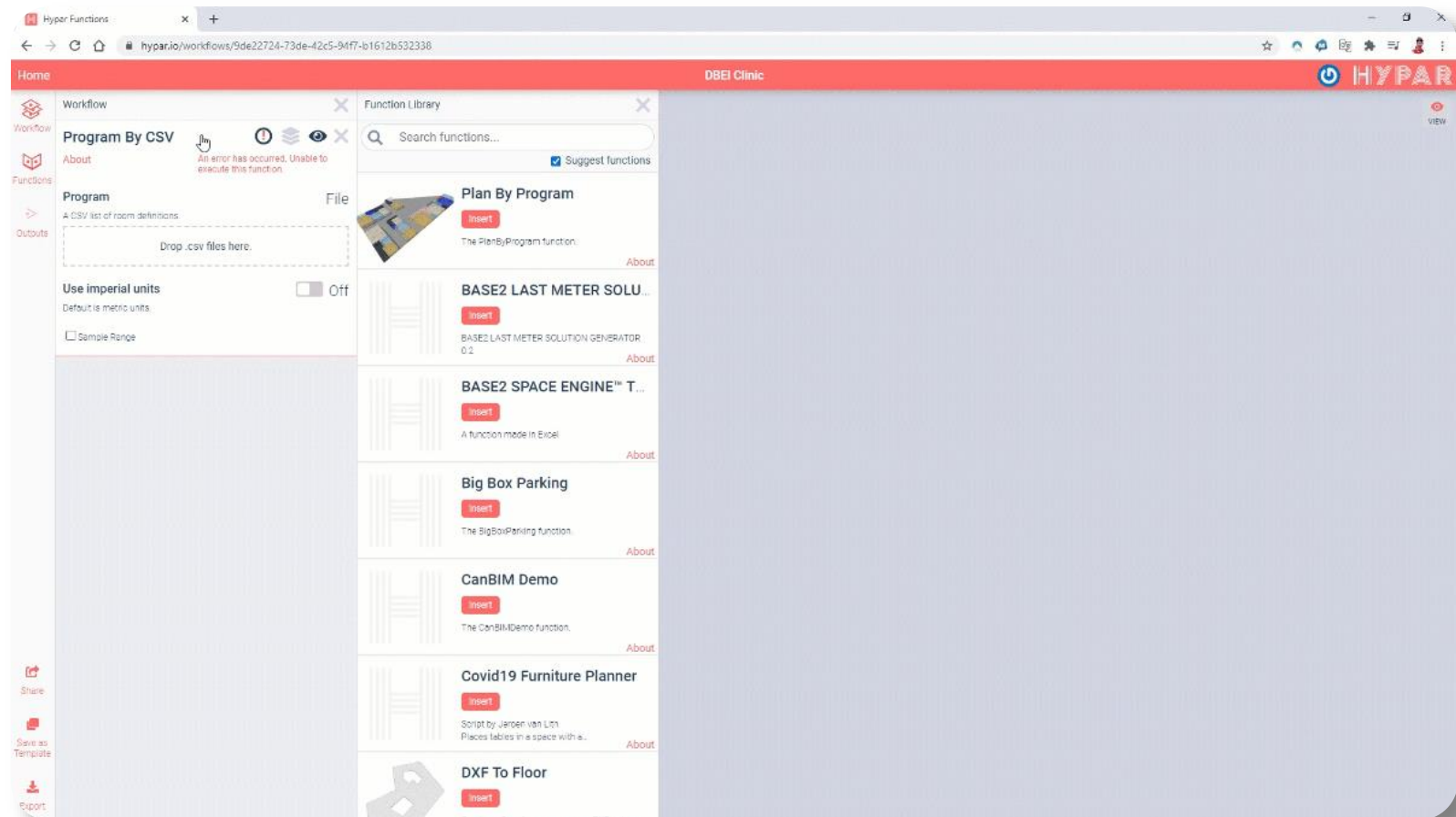
Generative Design

FACT



Generative Design

FACT

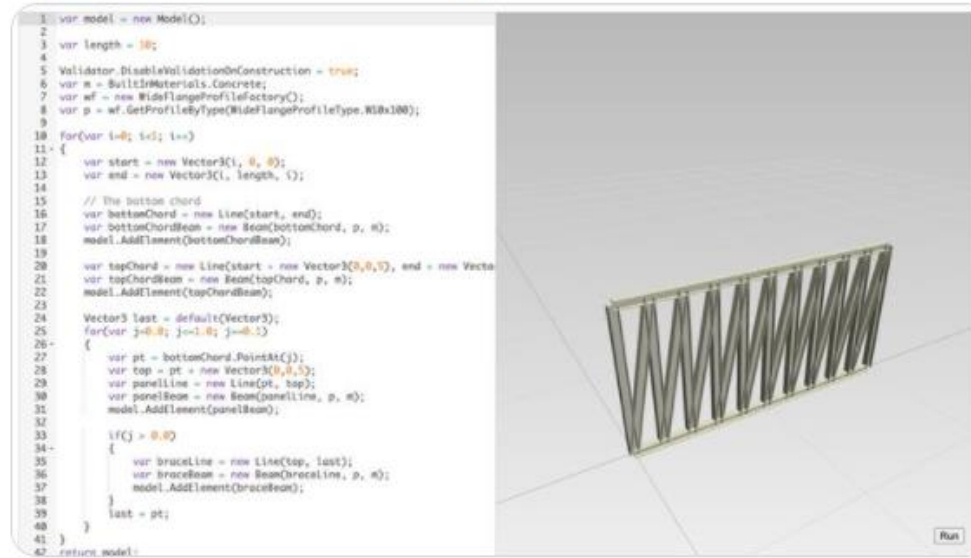


Generative Design Future



Ian Keough
@ikeough

Elements in the browser. Try it here: hypar-io.github.io/ElementsPlaygr...



8:03 PM · Nov 16, 2021 · Twitter Web App

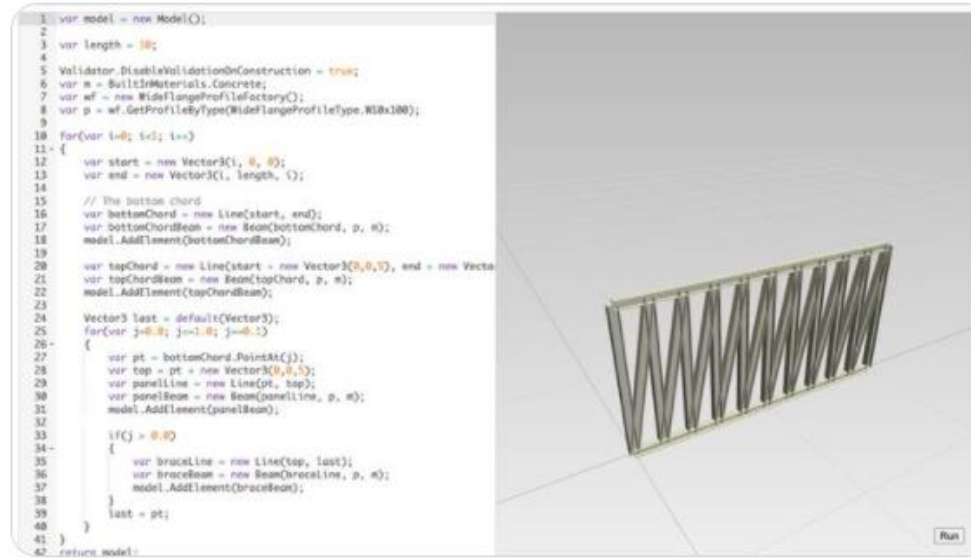
Generative Design

~~Future~~ Past?



Ian Keough
@ikeough

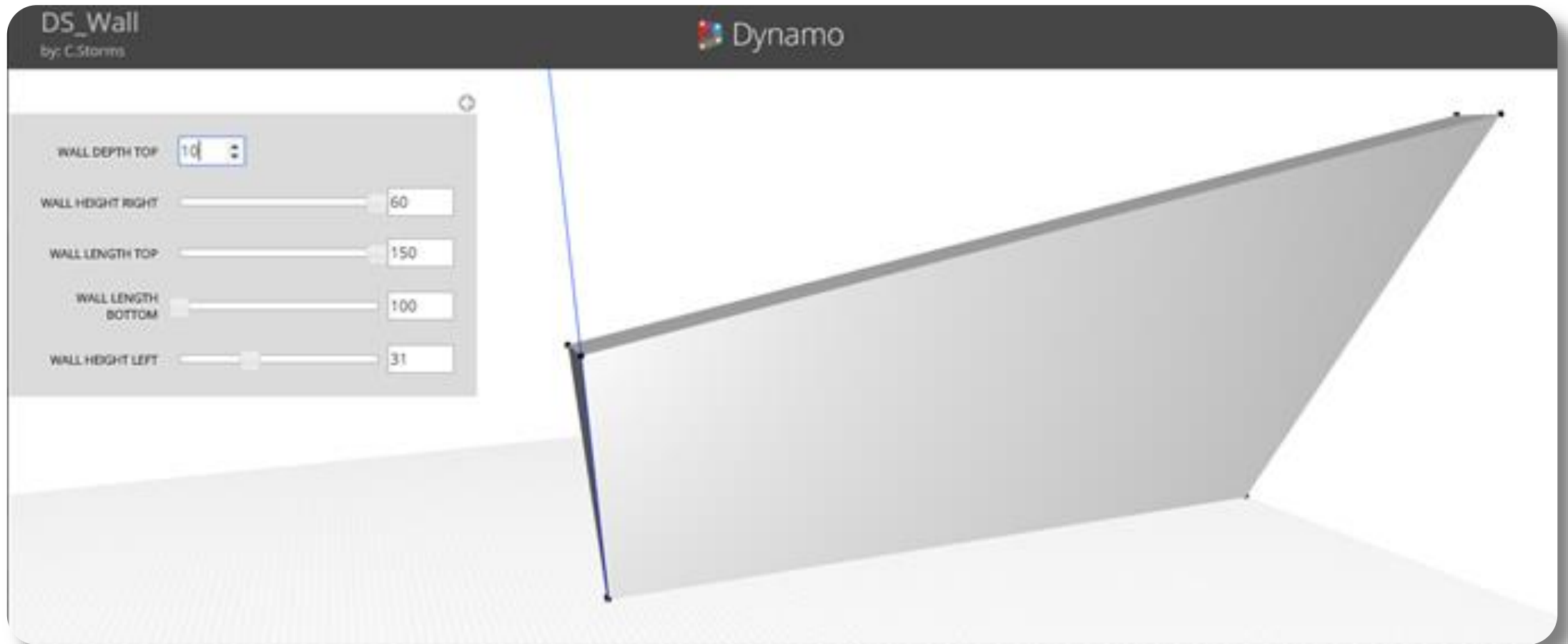
Elements in the browser. Try it here: hypar-io.github.io/ElementsPlaygr...



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Generative Design

~~Future~~ Past?

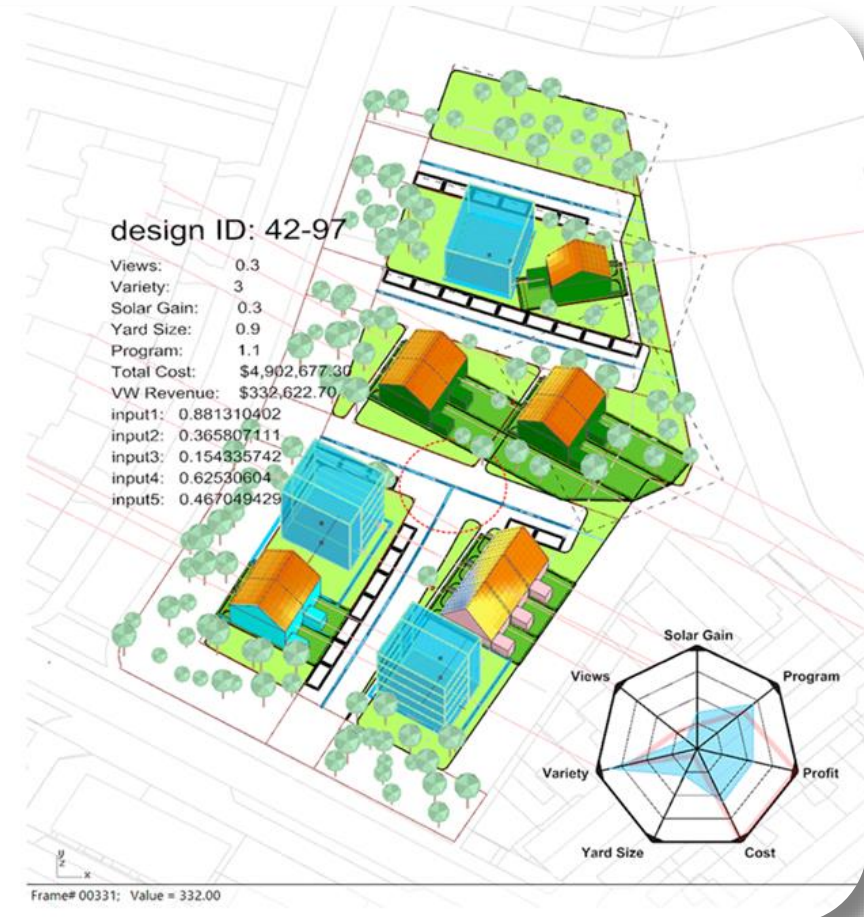


Generative Design

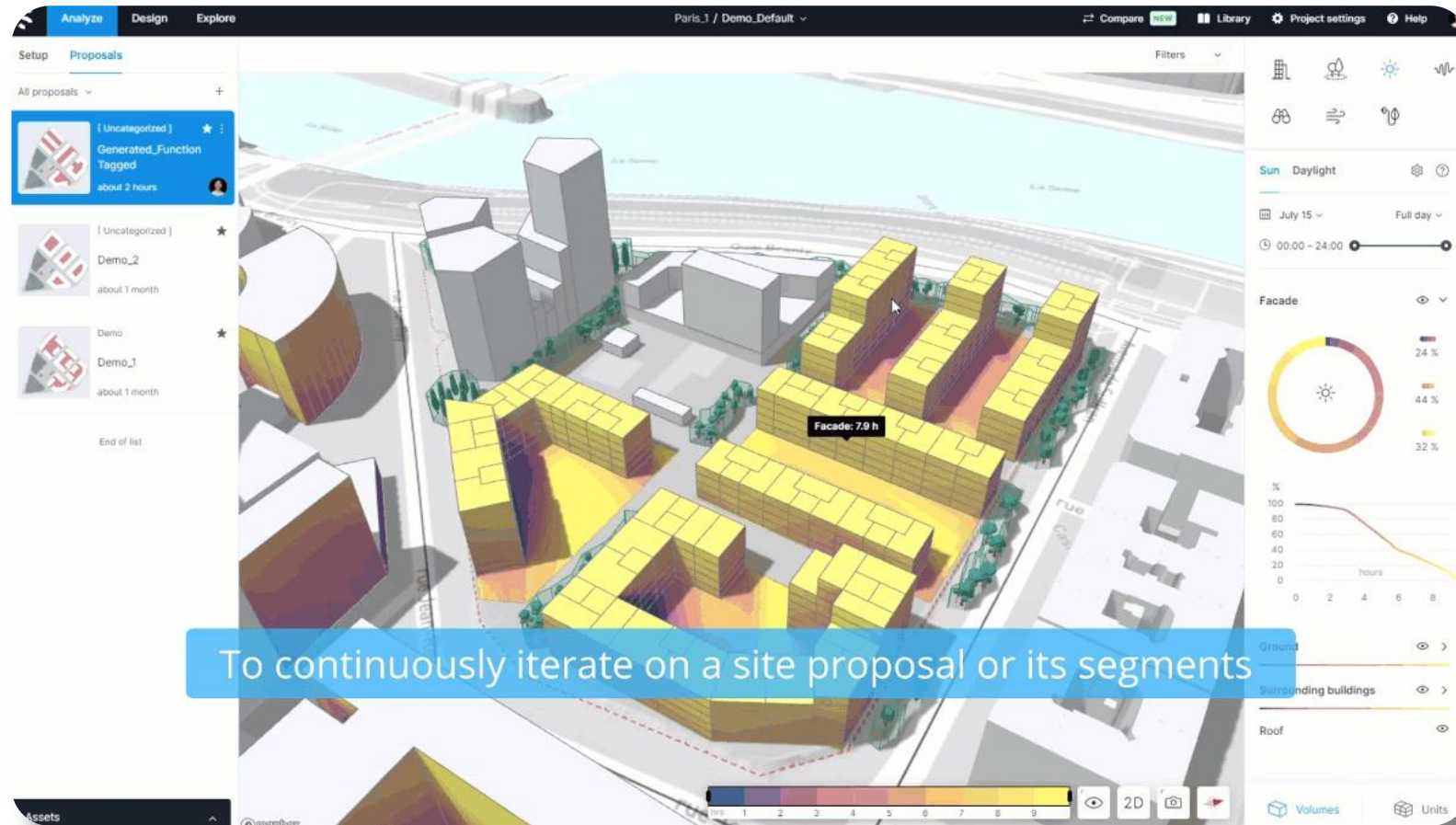
Future



Alkmaar Housing



Generative Design Future



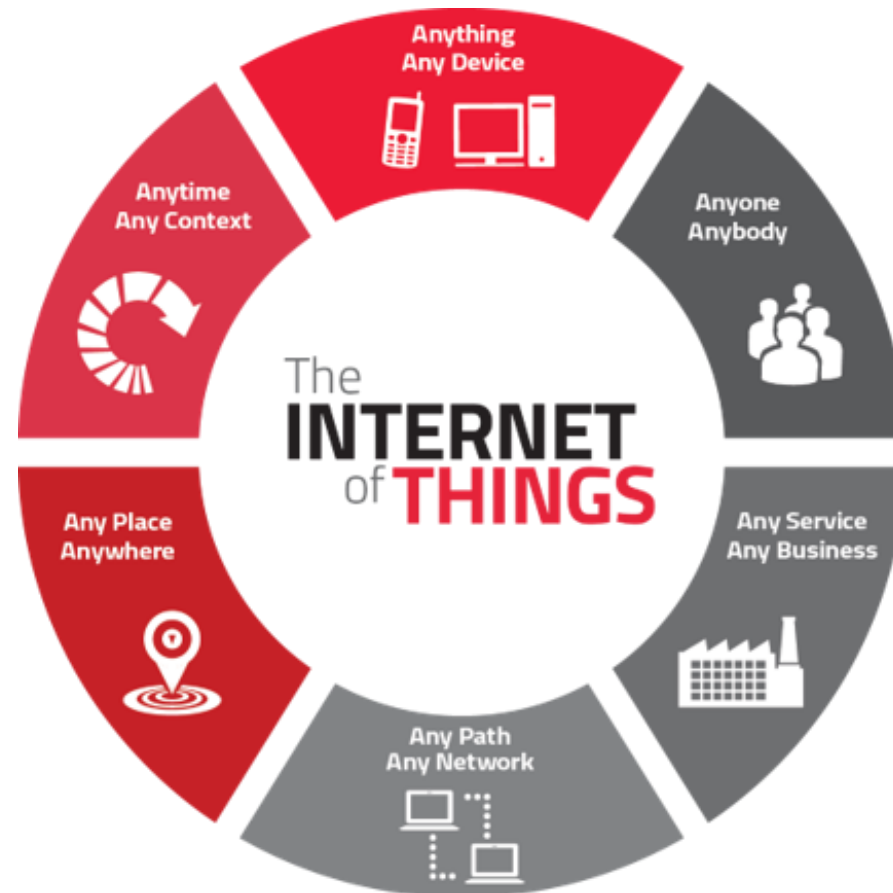
Internet of Things

Fear



IoT

FACT



IoT FACT



IoT

FACT



IoT

FACT



IoT FACT



IoT FACT



IoT

Future



IoT

Future



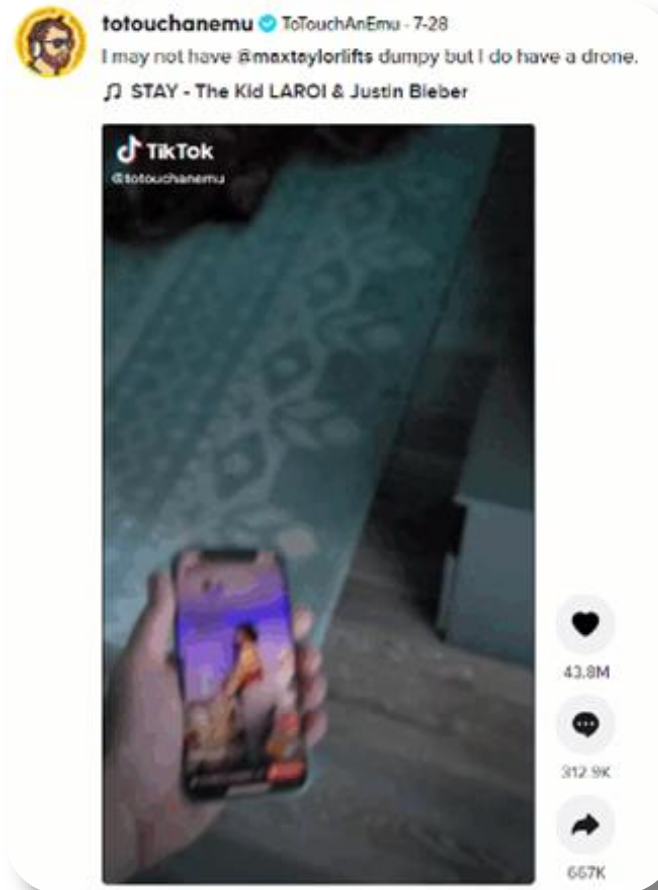
Unmanned Aerial Vehicles

Fear



UAV

FACT



UAV FACT



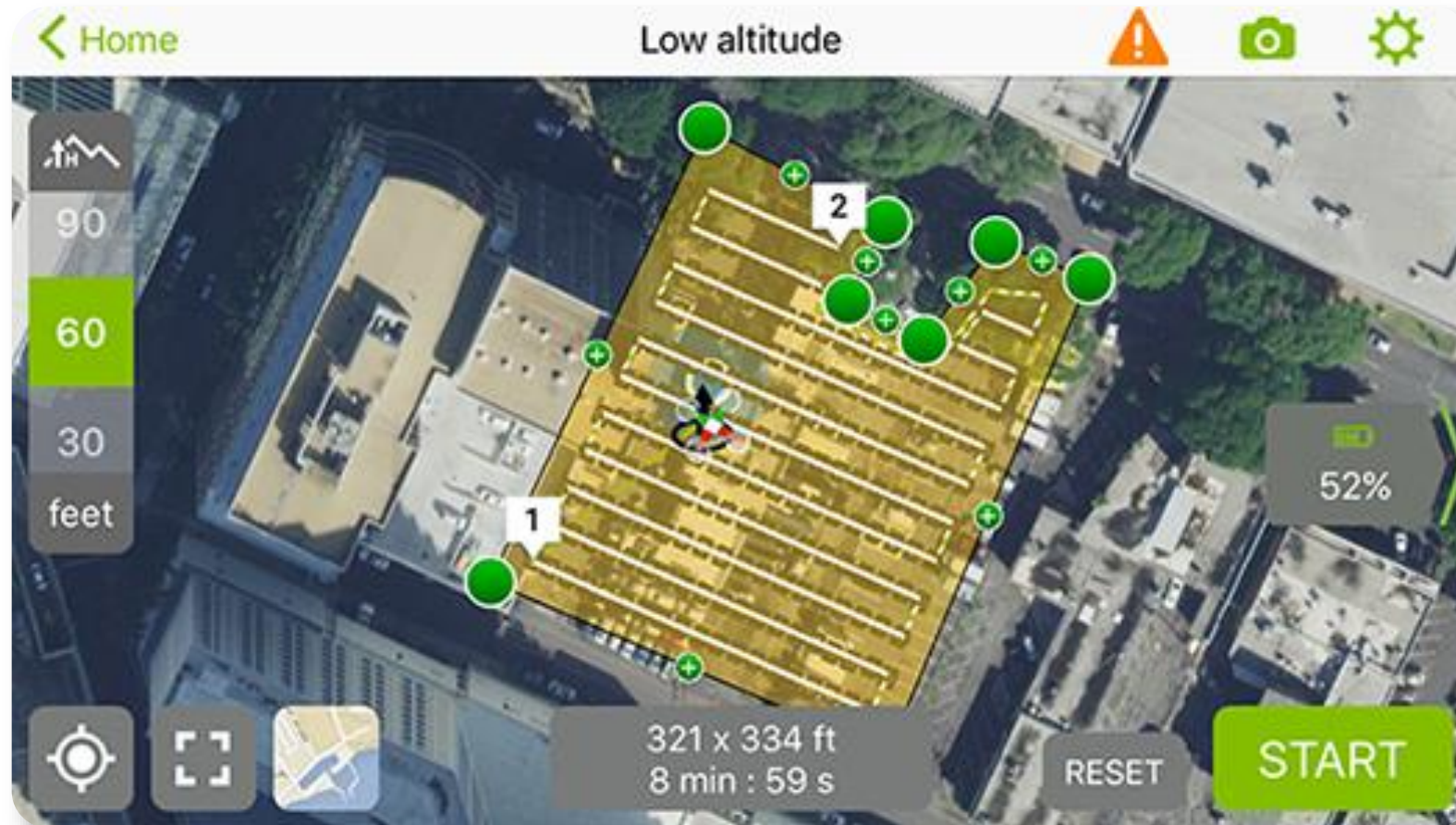
UAV FACT



UAV FACT



UAV FACT



UAV

Future



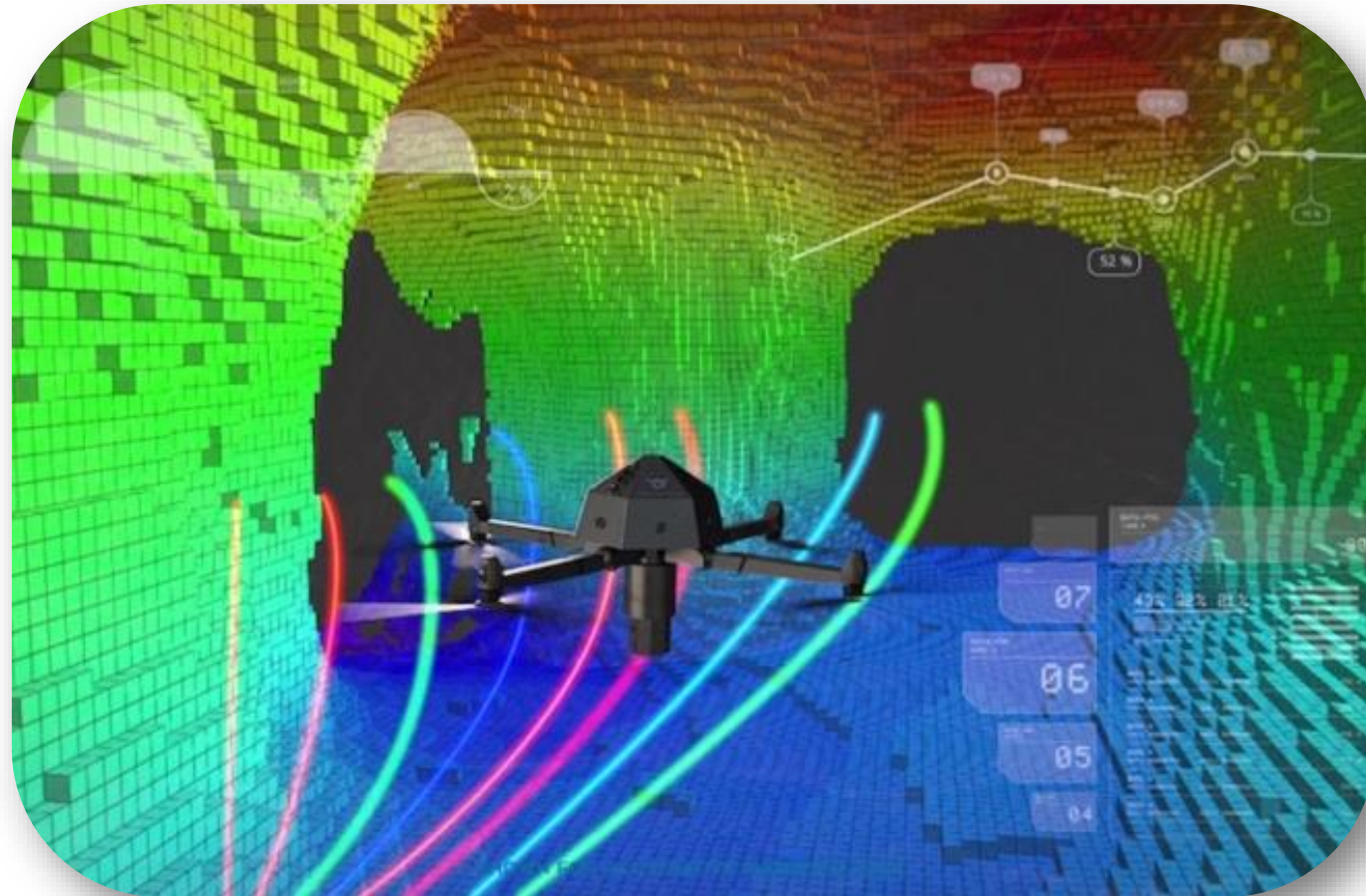
UAV

Future



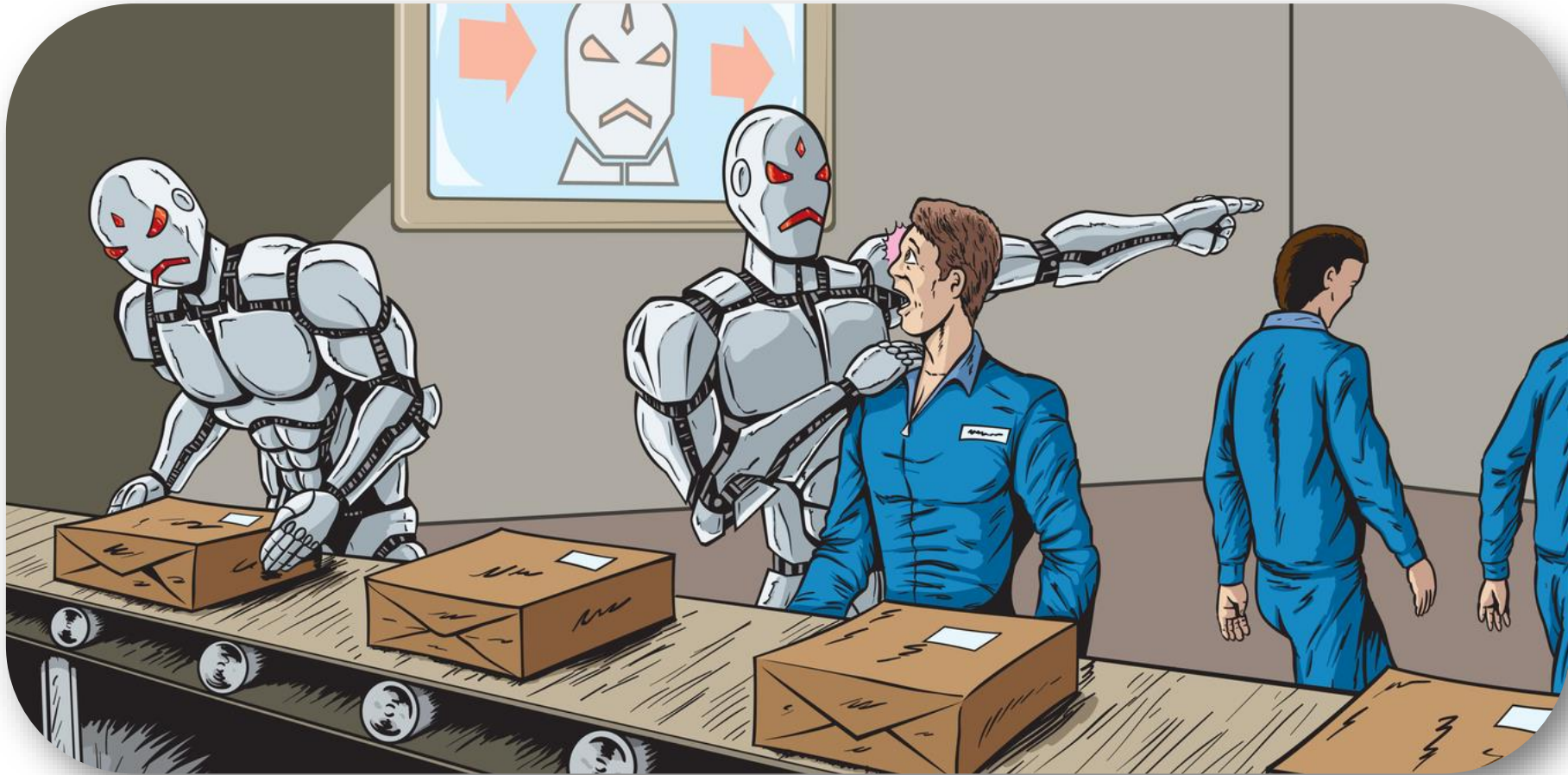
UAV

Future



Robots

Fear



Robots

FACT



Robots

FACT



Robots

FACT



Robots

FACT



Robots

FACT



Robots

FACT



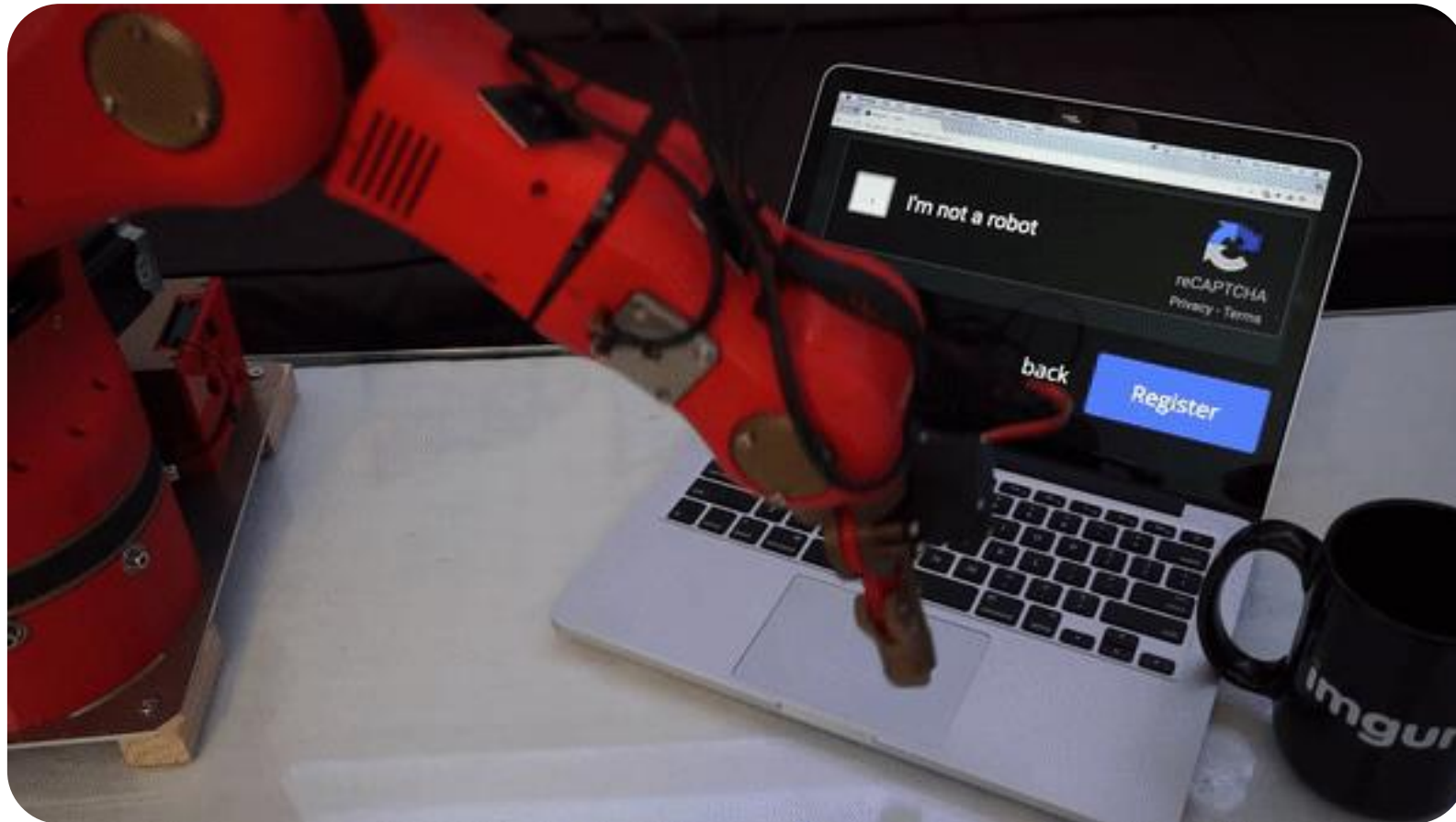
Robots

FACT



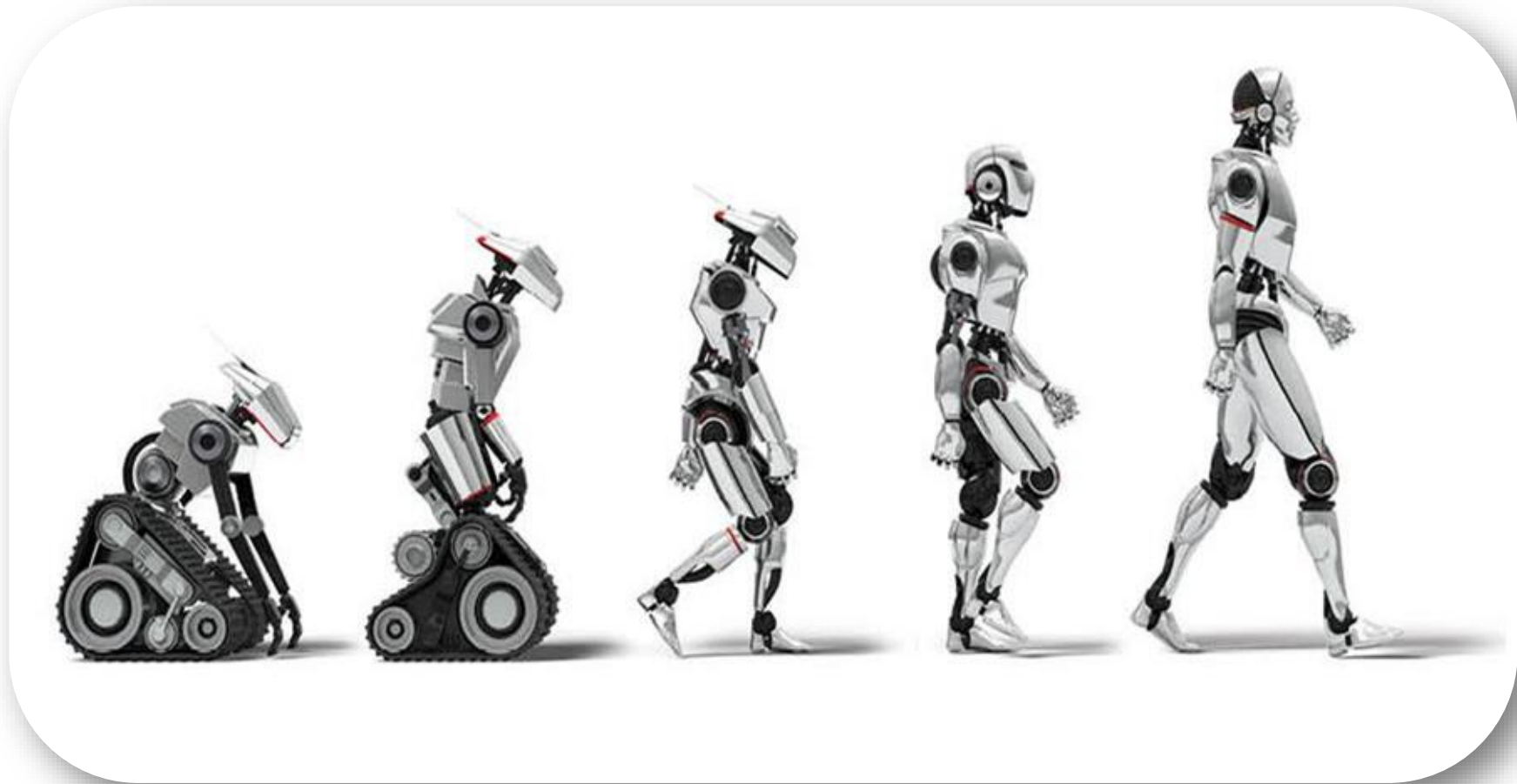
Robots

Future



Robots

Future



Artificial Intelligence

Fear



AI FACT

Not a
real person



"I'm looking for something on May 3rd."

Real person



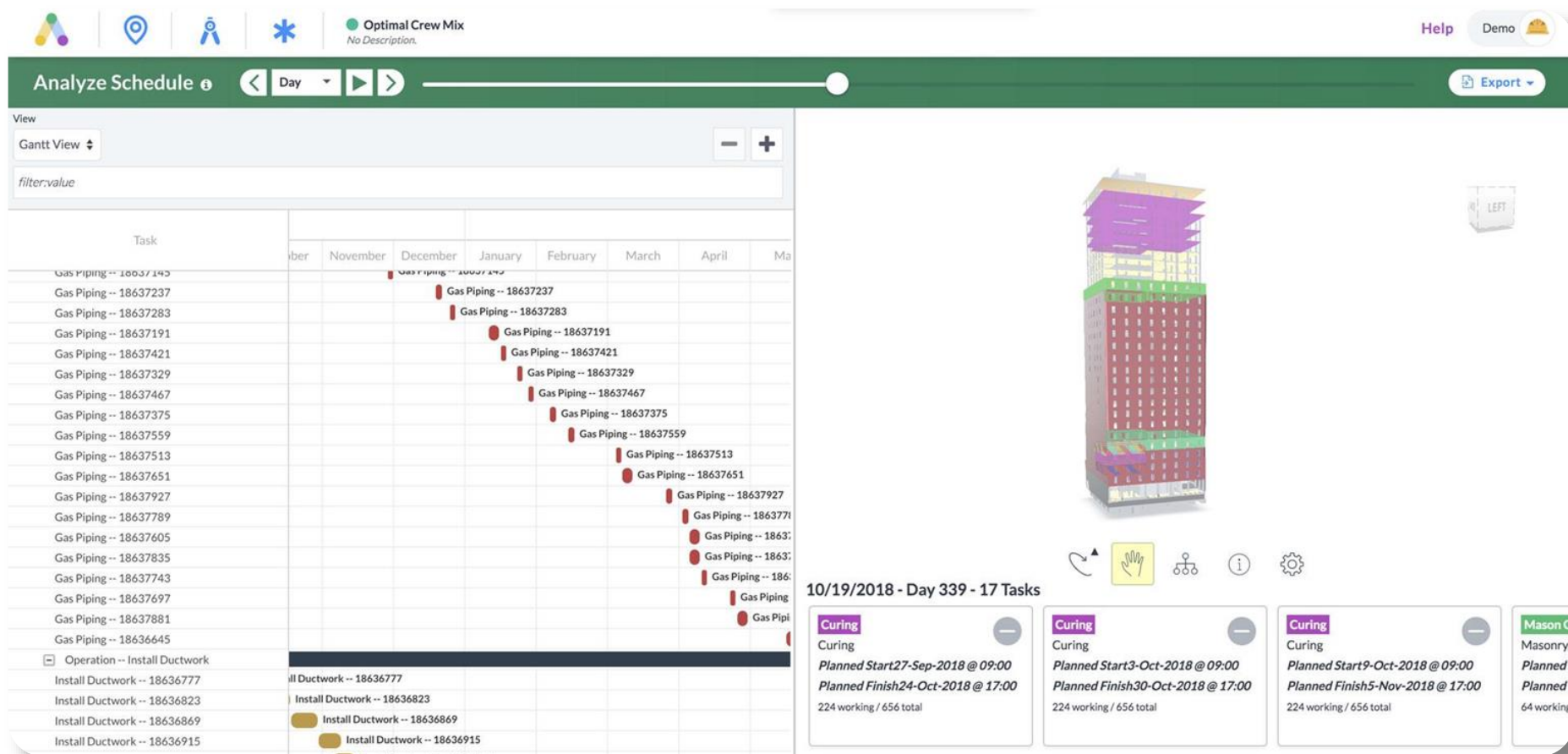
AI FACT



AI FACT



AI FACT



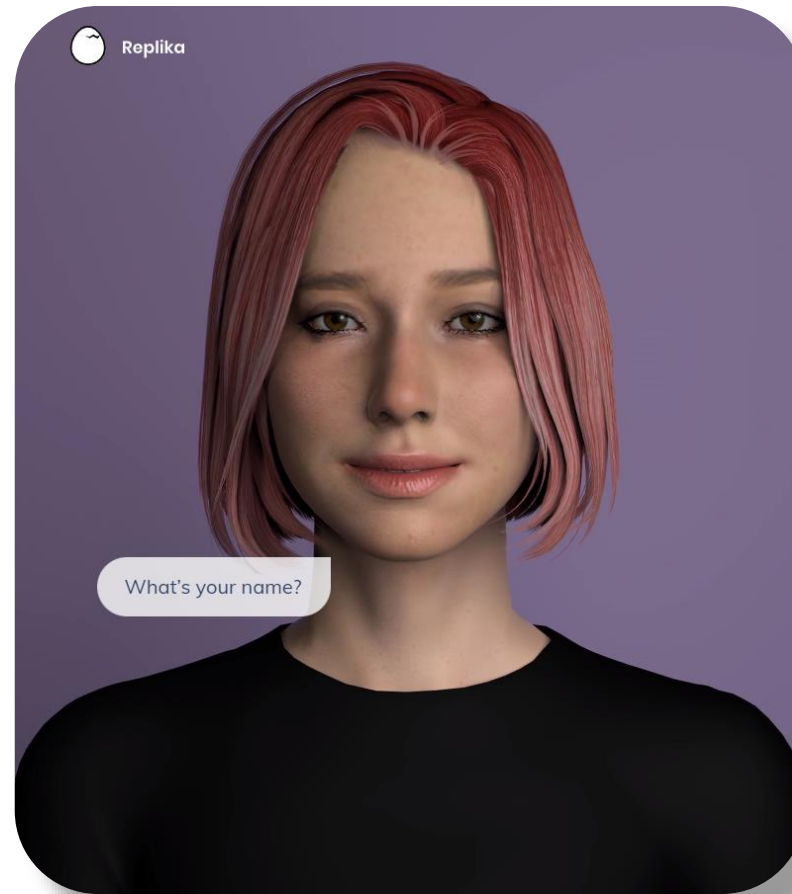
AI

Future



AI

Future

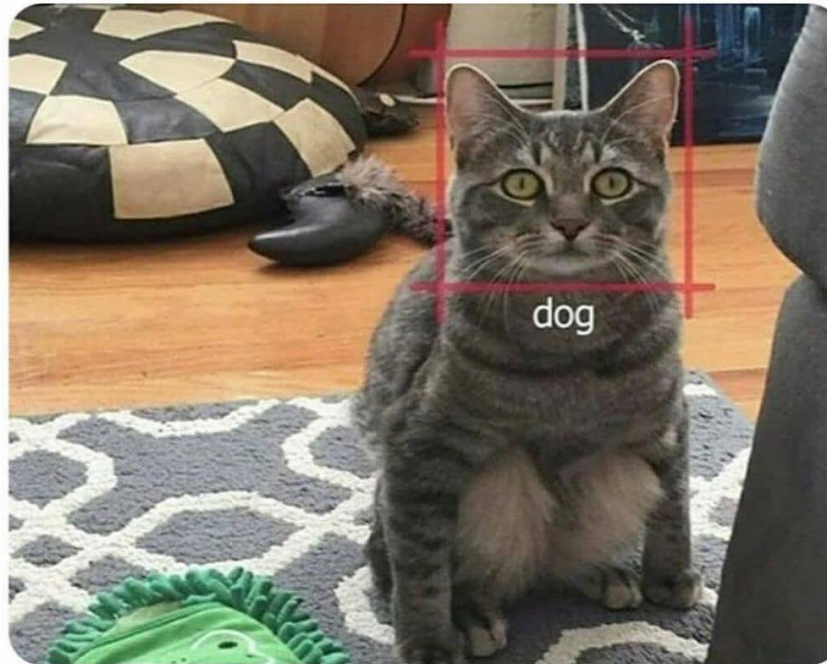


AI

Future

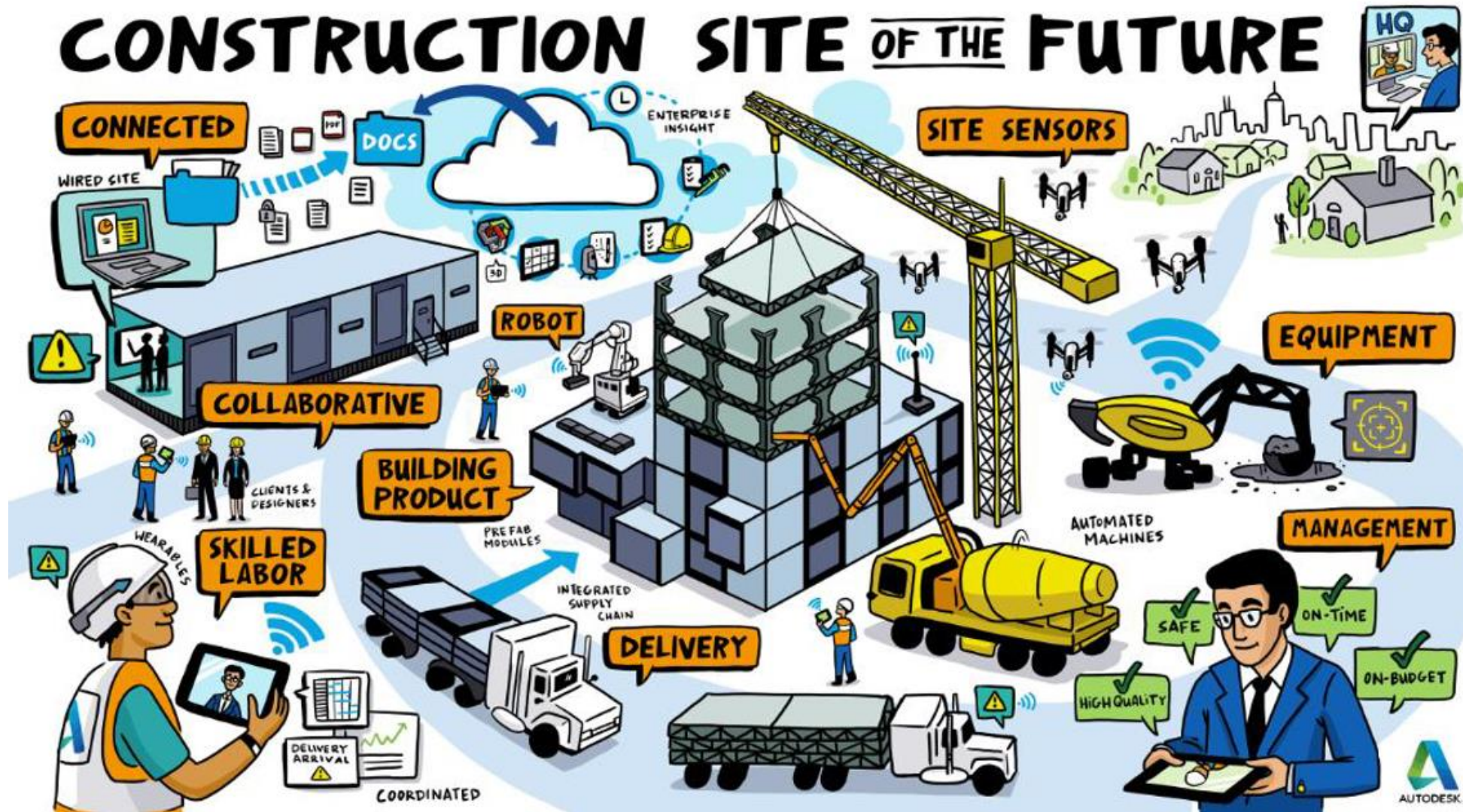
90's Media: AI WILL DESTROY
THE WORLD IN A DECADE

That AI today:



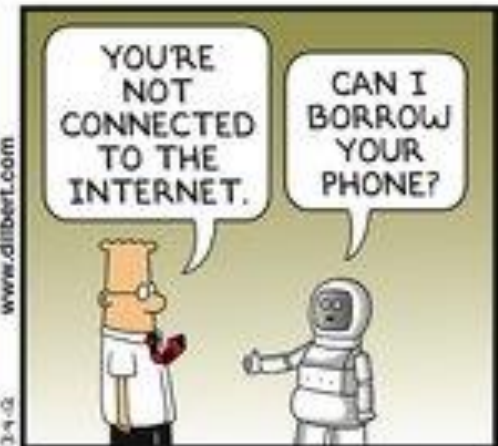
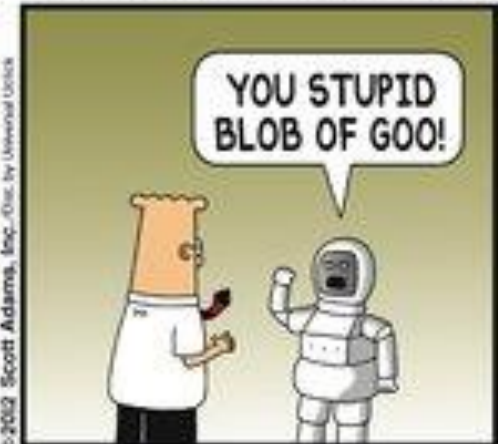
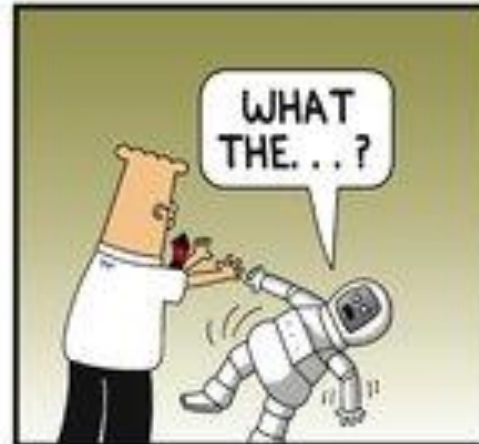
Conclusion

CONSTRUCTION SITE OF THE FUTURE



Conclusion

DILBERT





Questions?



Thank You

Stop by Booth **F70A** and say Hi! 🙋

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Presentation 
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