



AGC
THE CONSTRUCTION
ASSOCIATION

AGI Excellence in Construction: Exploring the Future of A.I. in Construction

NATE FULLER
PLACER SOLUTIONS

2025 AGC Technology Conference



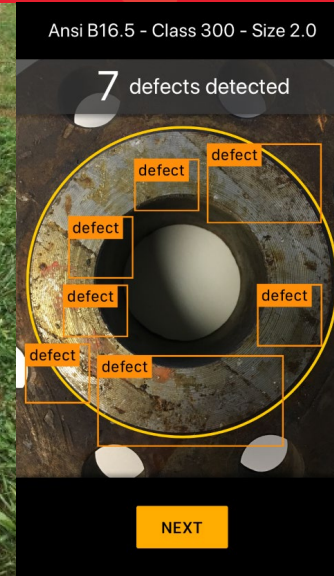


Nate Fuller, P.E.



AGC
THE CONSTRUCTION
ASSOCIATION

- 15 years in civil engineering, construction management, and technology leadership
- Managed implementation of emerging technologies and helped build Office of Innovation at Bechtel
- Founded Placer Solutions in 2020 to consult on creating and accelerating technology adoption in construction

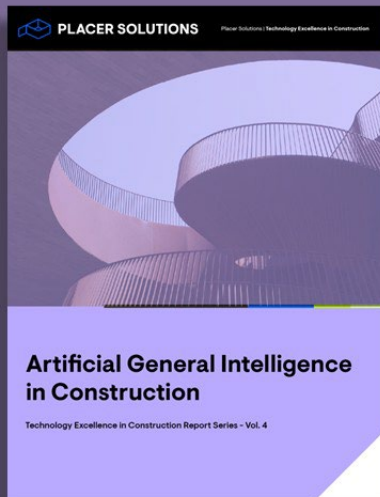




AGC
THE CONSTRUCTION
ASSOCIATION

Read the full report →

www.placersolutions.io/research-and-reports



Survey

200+ respondents
Quantitative insights

Voice of
industry

20+ interviewees
Qualitative insights

Interviews

**Technology
Excellence**

Data
analysis

Industry
knowledge

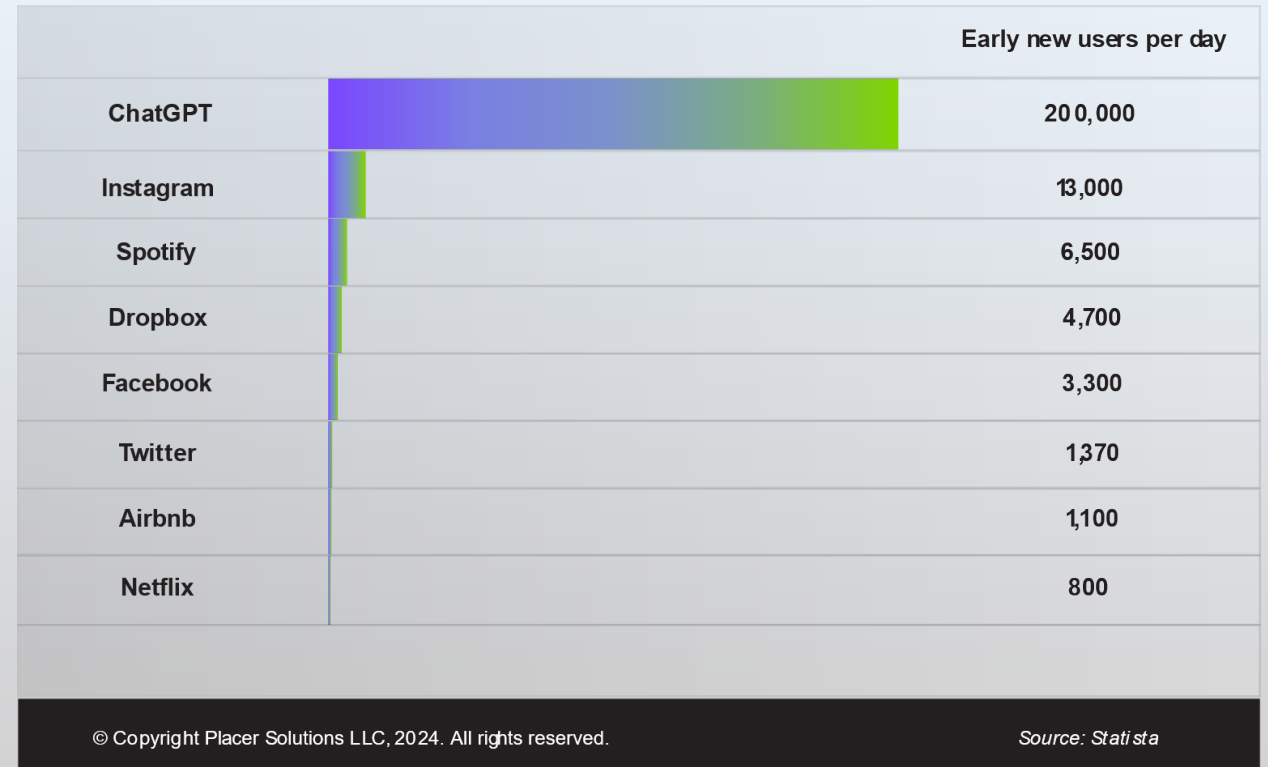
Research & Analysis

Building contractor feedback
Synthesis of quality information
Analyst domain expertise



Phenomenal Growth in Use of ChatGPT

ChatGPT became the fastest-growing consumer application in history, reaching 100 million users in just two months, far outpacing previous technology adoption curves. This explosive growth signaled a major shift in how people interacted with A.I.



Join at menti.com | use code **8391 5725**

Have you **used an LLM** like ChatGPT, Gemini, or Claude?

- ☐ I've tried at least once
- ☐ I haven't tried

Mentimeter

Menti

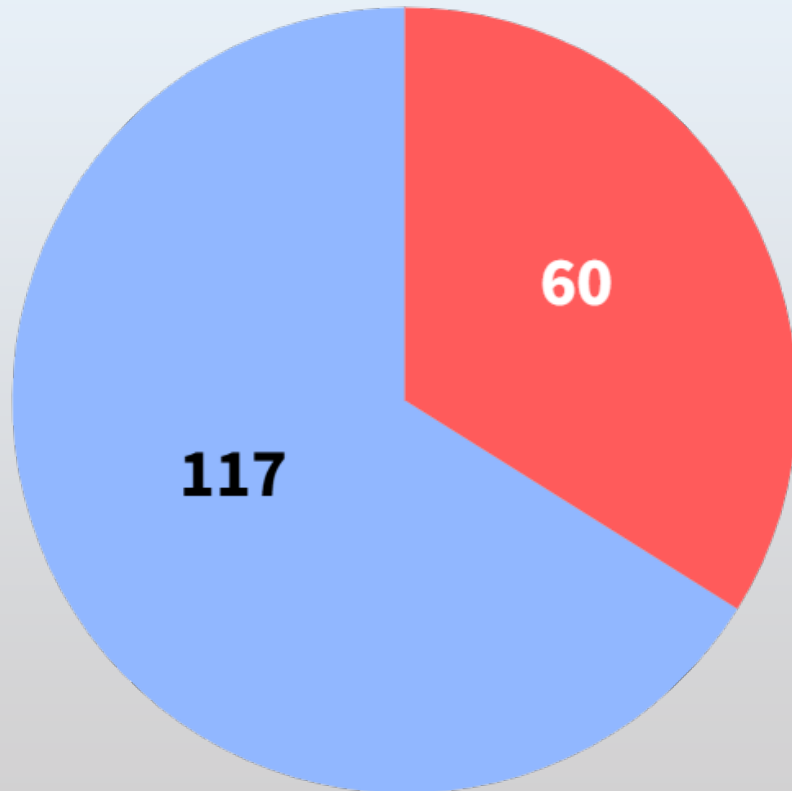
AGC Tech Conference ...

Choose a slide to present





AGC
THE CONSTRUCTION
ASSOCIATION



I've tried at least once

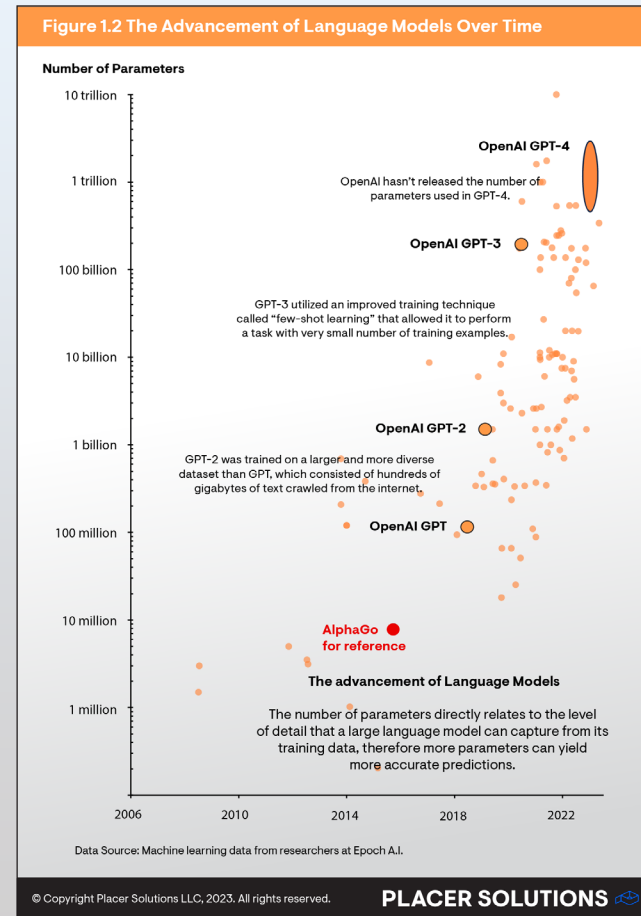


I haven't tried

Results from a manufacturer-led strategic partner conference with non-technical construction professionals, including company owners, project executives, and field-focused operations leaders

Rapid Improvement in Large Language Models

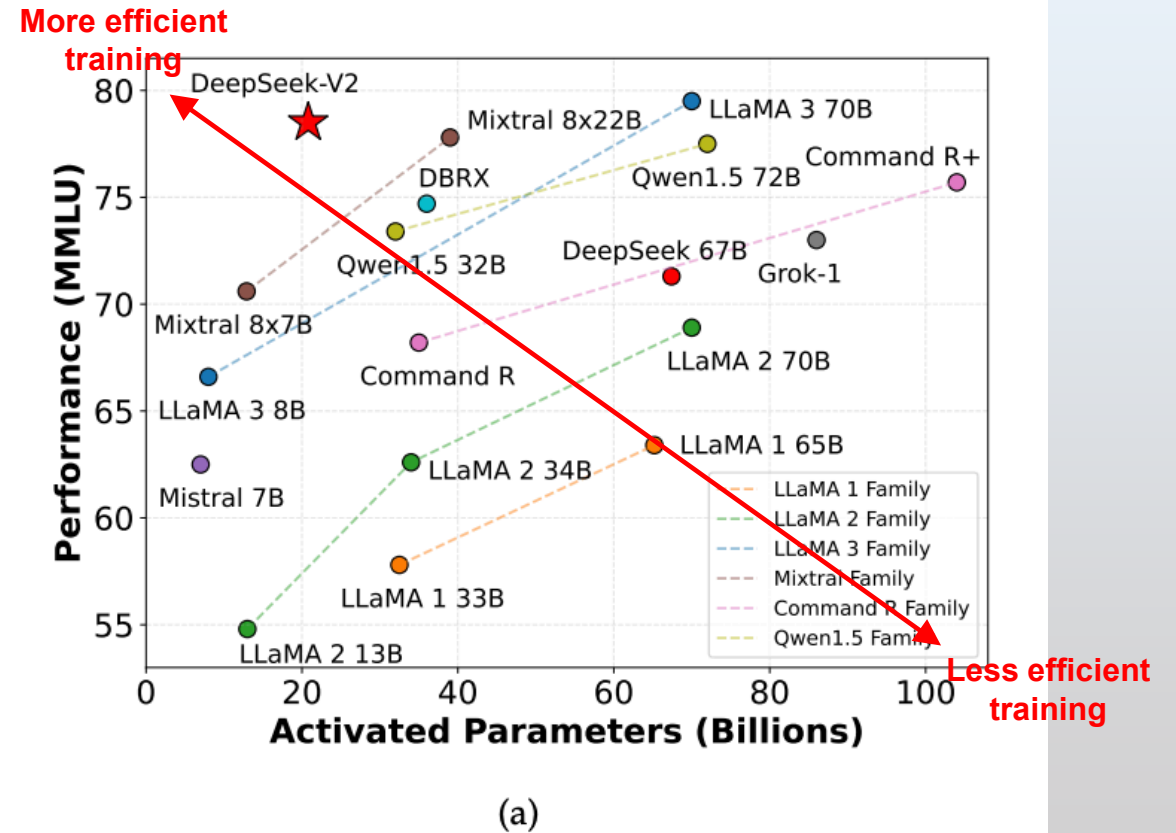
The remarkable capabilities of large language models are not magic, but the result of exponential increases in model parameters and computational power. These advances enable the models to understand context and produce increasingly human-like responses.





DeepSeek's Efficient LLM Development

DeepSeek redefined A.I. development by achieving high-performance language models with significantly lower computational costs. This shift highlights a new frontier in advancement with efficiency and smarter training techniques becoming just as important as raw scale.



STATE OF A.I. IN CONSTRUCTION TODAY

Do you **trust** A.I. today?

Join at menti.com | use code **8391 5725**

Mentimeter

☐ Yes
☐ No



Menti

AGC Tech Conference ...

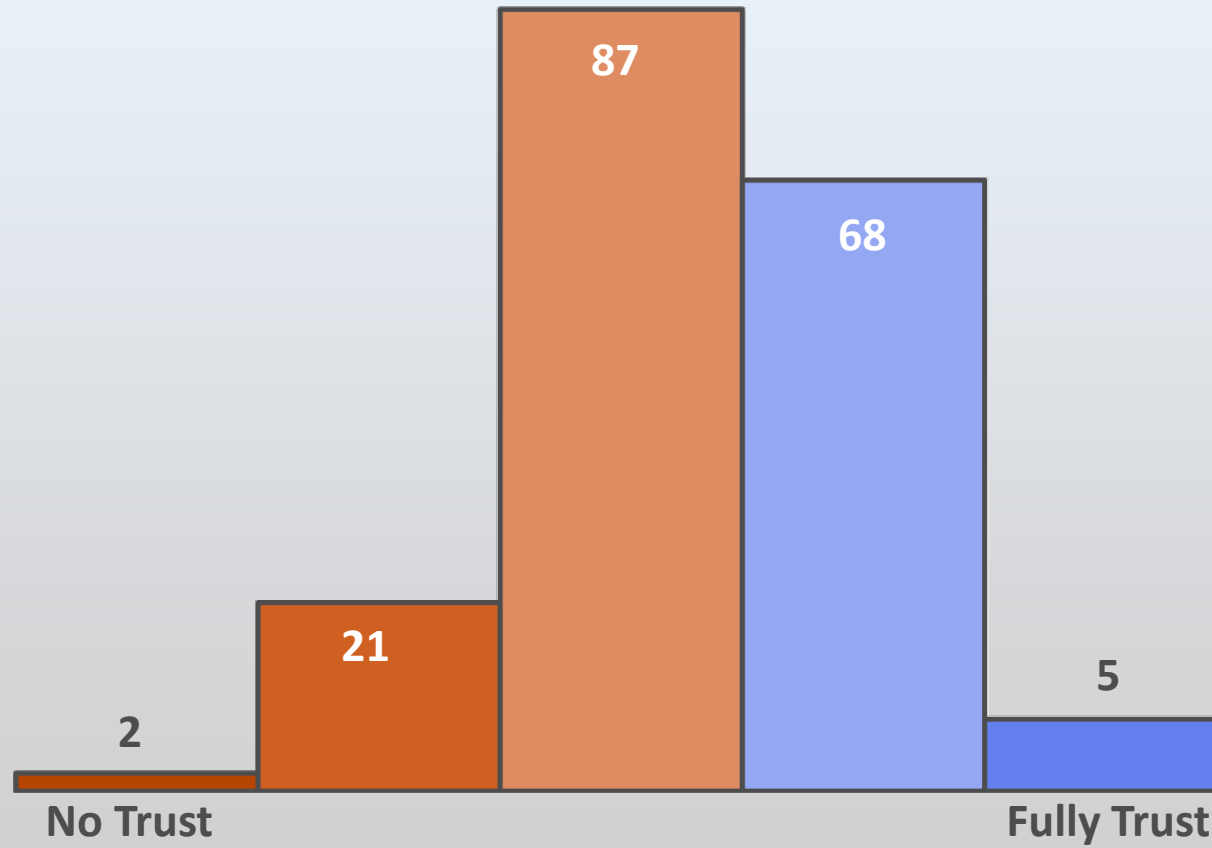


Choose a slide to present





AGC
THE CONSTRUCTION
ASSOCIATION



3.36

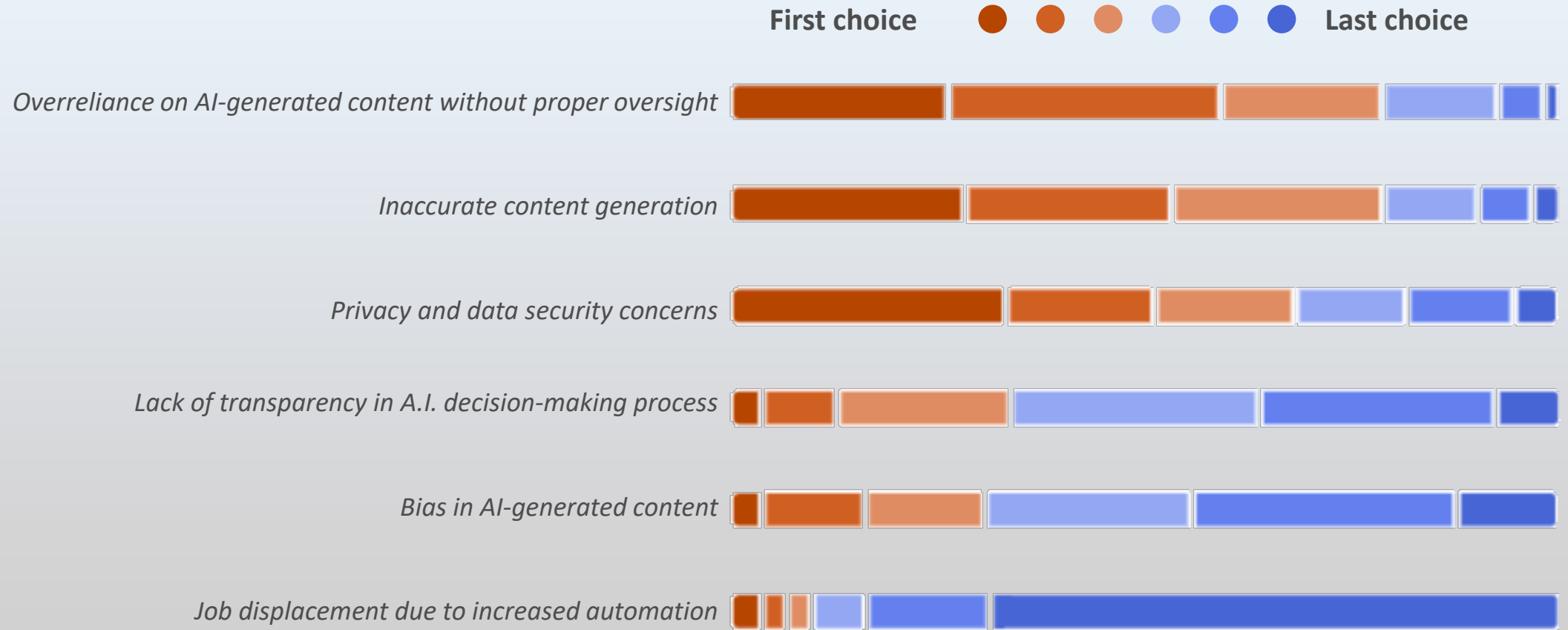
Average Rating



Results show that construction professionals report cautious trust in A.I. systems, with only a small number fully confident.



AGC
THE CONSTRUCTION
ASSOCIATION



Join at menti.com | use code **8391 5725**

Mentimeter

Pick one of the following construction activities that you think AI is **best suited** to make a meaningful and practical impact?

0%
Workforce Planning

0%
Daily Reporting

0%
Estimating

0%
Material Takeoffs

0%
Training & Education

0%
Scheduling

0%
Marketing

0%
Contract Administration

0%
Job Hazard Analysis



NF



Menti

AGC Tech Conference ...



Choose a slide to present





AGC
THE CONSTRUCTION
ASSOCIATION



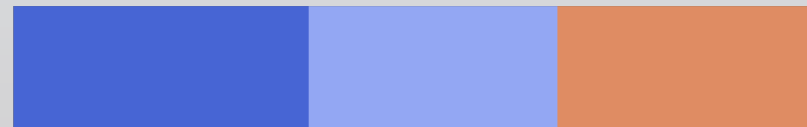
Estimating



Marketing



Contract
Administration

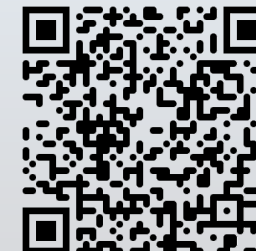
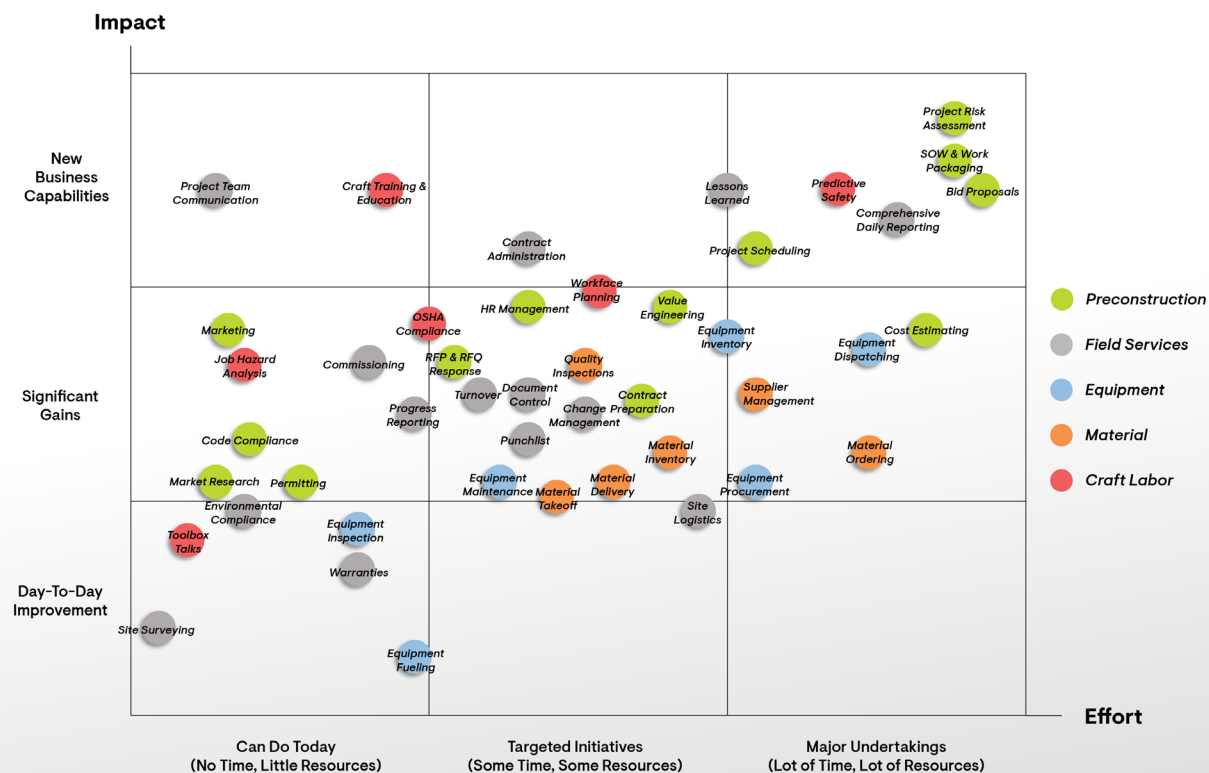


A.I.'s Business Impact

- Game-Changing
- Significant Gains
- Small Impact
- Little/No Impact



AGC
THE CONSTRUCTION
ASSOCIATION



© Copyright Placer Solutions LLC, 2023. All rights reserved.

PLACER SOLUTIONS

WHERE IS A.I. HEADED IN CONSTRUCTION?

Join at menti.com | use code **8391 5725**

How is **your company** currently using AI?

0%

We have AI integrated into our workflows

0%

We're experimenting with AI pilots

0%

We're exploring AI, but haven't implemented yet

0%

We're not using AI at all

0%

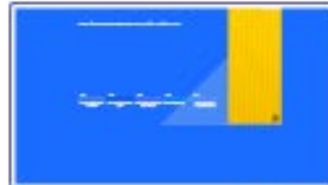
I have no idea what my company is doing in AI

Mentimeter

Menti

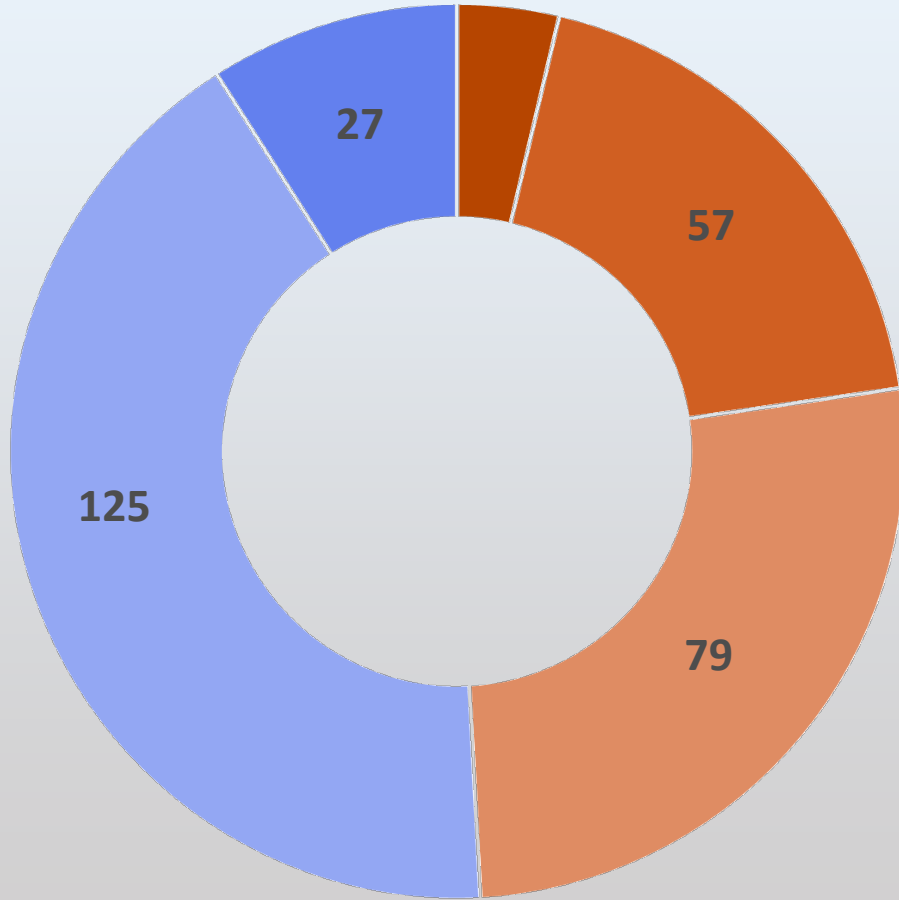
AGC Tech Conference ...

Choose a slide to present





AGC
THE CONSTRUCTION
ASSOCIATION



- We have A.I. integrated into most of our workflows
- We're mostly experimenting with A.I.
- We're exploring A.I. but haven't implemented yet
- We're not using A.I. at all
- I have no idea what my company is doing in A.I.

Most construction companies are still in the early stages of A.I. adoption, with the majority either experimenting or exploring.

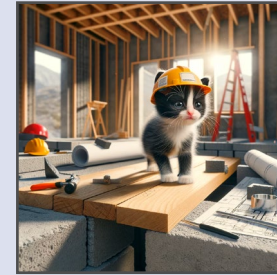


AGC
THE CONSTRUCTION
ASSOCIATION

Explain in plain language

"Cute cat at a construction site"

Ideas Generation



Refinement

"I like the second cat but put an orange hard hat on him and make him look like a boss"

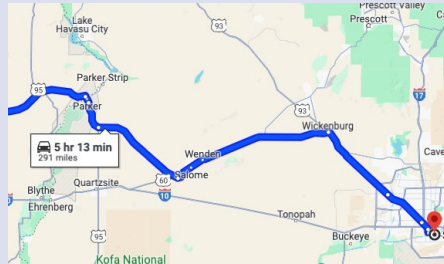




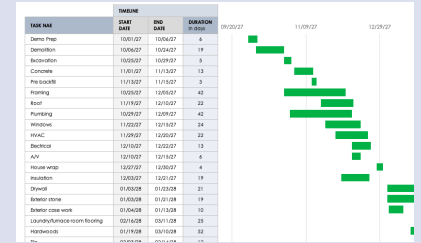
AGC
THE CONSTRUCTION
ASSOCIATION

Updates when changes happen

*"I changed the route"
"Traffic accident"
"Coffee break"*

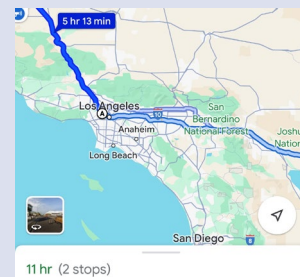


*"Owner changes"
"Weather"
"Materials delay"*



Instant what-if scenarios

*"What if we pass
through Hollywood?"*



*"What if we change
the layout to X?"*

- ☒ Permit re-submission
- ☒ Foundation demolition

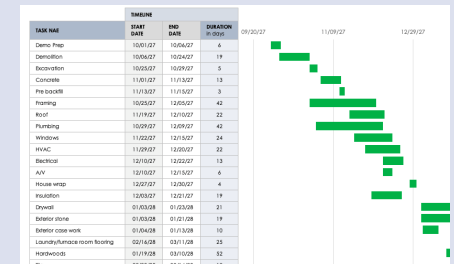
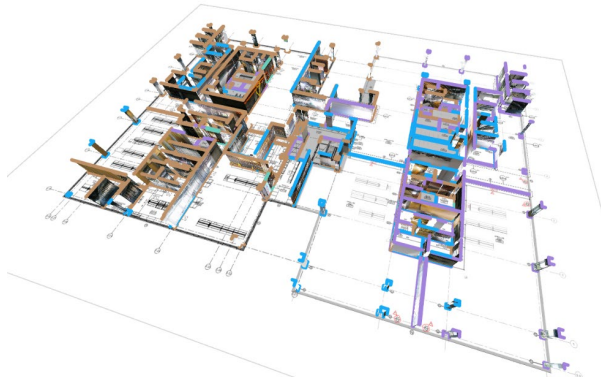
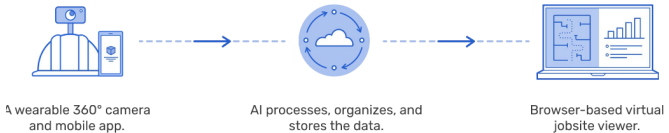
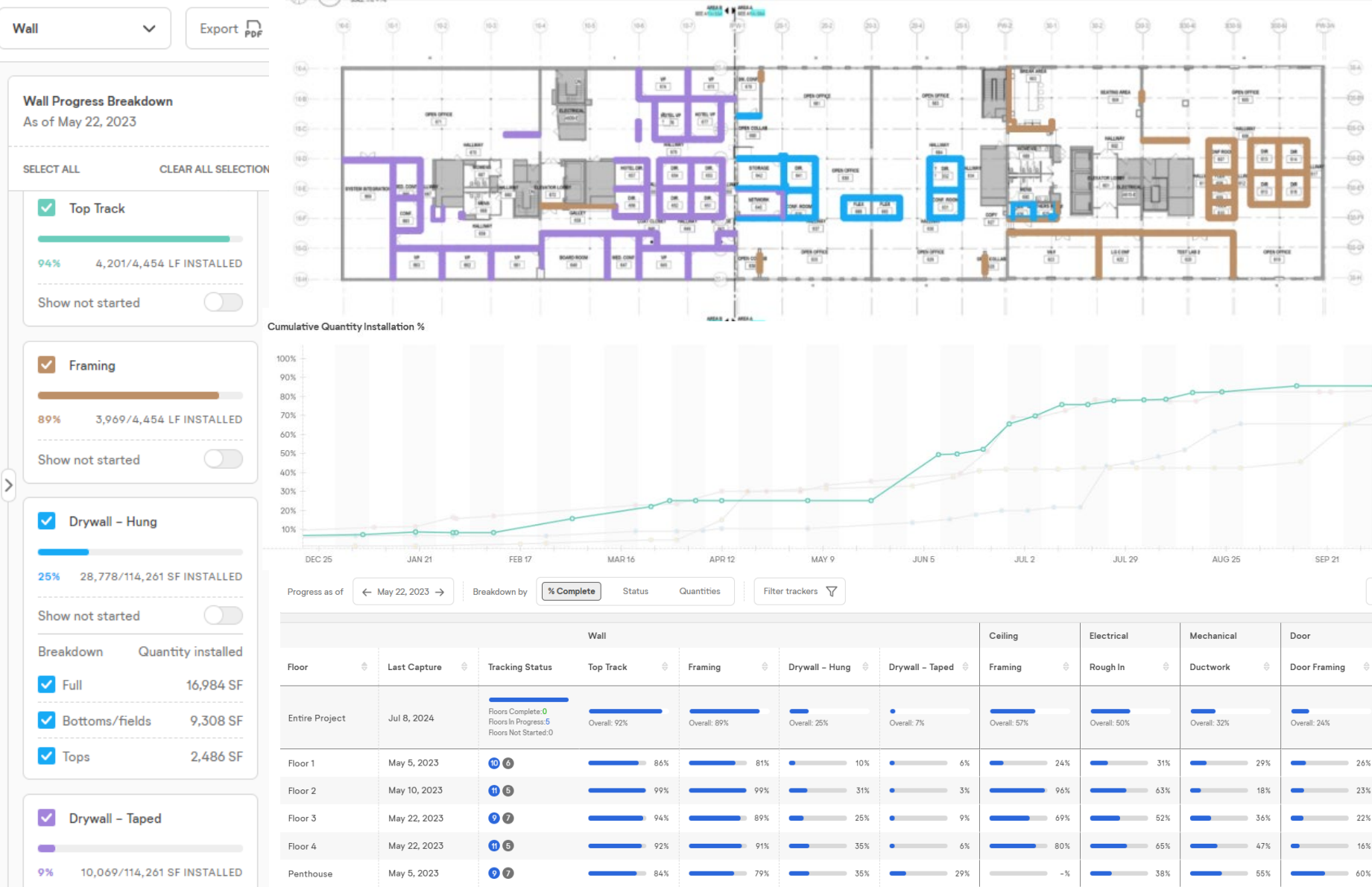


Photo Documentation | A.I. Quality / Production Tracking



Join at menti.com | use code **8391 5725**

Do you feel your organization is prepared for a **sudden leap in A.I. systems capabilities?**



Yes



No

Mentimeter

Menti

AGC Tech Conference ...

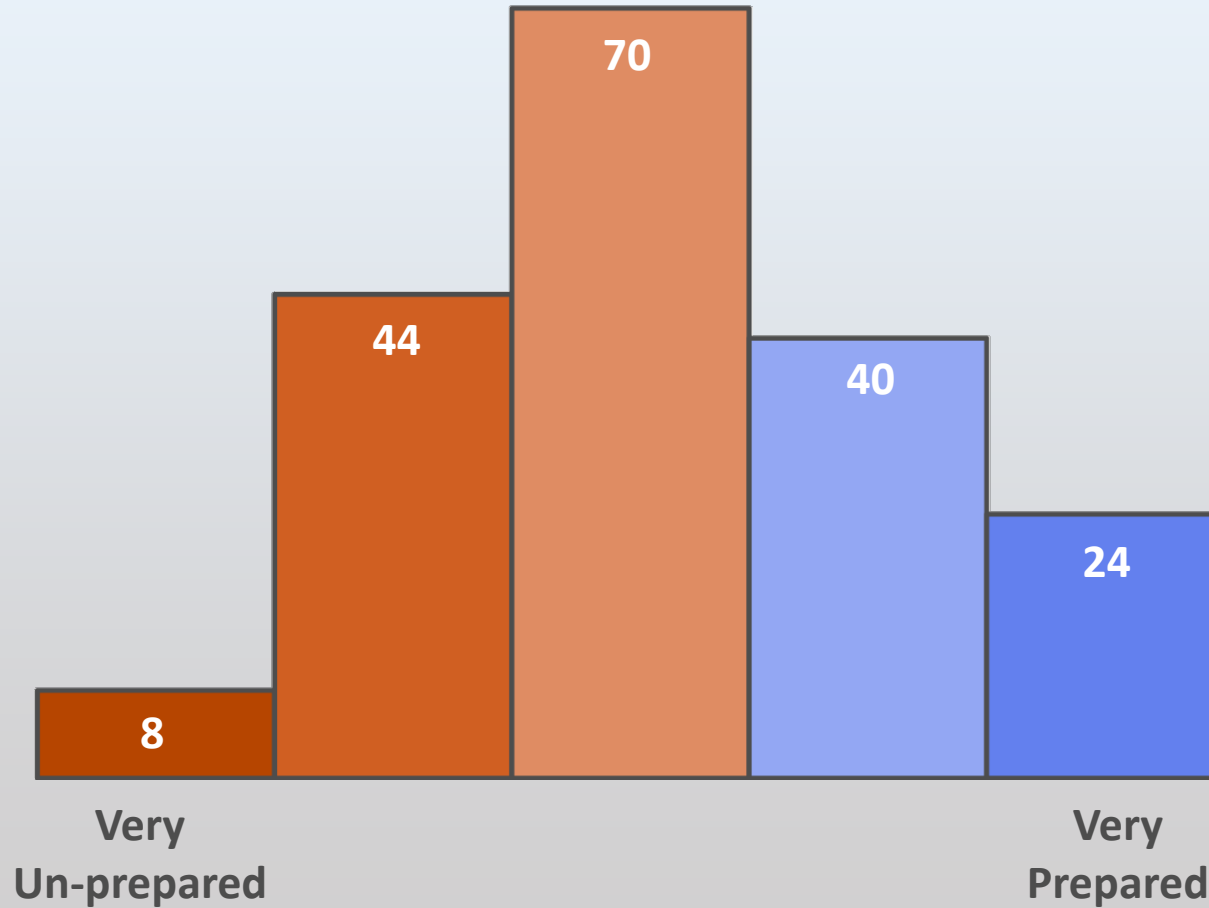


Choose a slide to present





AGC
THE CONSTRUCTION
ASSOCIATION



3.20

Average Rating



Most construction professionals feel their organization is only moderately prepared for a sudden leap in A.I. capabilities.



AGC
THE CONSTRUCTION
ASSOCIATION

The Future Is Faster Than You Think

The world's top tech leaders now believe AGI could arrive within a decade, or even sooner. As A.I. accelerates past expectations, construction must prepare for a future that's no longer distant, but increasingly imminent.



"I thought it was 30 to 50 years or even longer away. Obviously, I no longer think that." – *Geoffrey Hinton, Turing Award-winning A.I. pioneer, 2023*



"I would not be surprised if we approached something like AGI or AGI-like in the next decade." – *Demis Hassabis, CEO, Google DeepMind, 2023*



"If you define AGI as smarter than the smartest human, I think it's probably next year, within two years." – *Elon Musk, 2024*



AGC
THE CONSTRUCTION
ASSOCIATION

Top Themes Surfacing For AGI in Construction

A.I.-first companies will quickly outpace legacy firms that fail to adapt. At the same time, the growing skills gap in A.I. adoption poses a major risk, and makes workforce training and upskilling essential for staying competitive.

***1. Firms Must Redesign
Workflows Around A.I.***

***2. A.I.-First Companies Will
Outpace Legacy Firms***

***3. There Will Be a Shift in
the Talent Mix Due to A.I.***



AGC
THE CONSTRUCTION
ASSOCIATION

Thank you!



Read the full report →

www.placersolutions.io/research-and-reports

