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Practical AI for Fire Protection Leaders & Teams



Thamasha 'Tam' Galahena

ABOUT ME



Thamasha 'Tam' Galahena

- Software engineer turned AI Educator/AI Implementor
- Dual degrees: B.Sc. Computer Engineering (Turin, Italy) and M.Sc. Information Technology (Melbourne, Australia).
- Co-founded and served as CTO of an ed-tech startup that raised AU\$300k to tackle a \$15B higher-education bottleneck. Now works with Australian organisations across construction, infrastructure, and industrial sectors to turn AI curiosity into practical, leadership-grade capability.

#1

SCALE



Source: Sia Partners, Trends & Strategic Perspectives for Companies Investing in AI, January 2026.

PERFORMANCE

Select AI Index technical performance benchmarks vs. human performance

Source: AI Index, 2025 | Chart: 2025 AI Index report

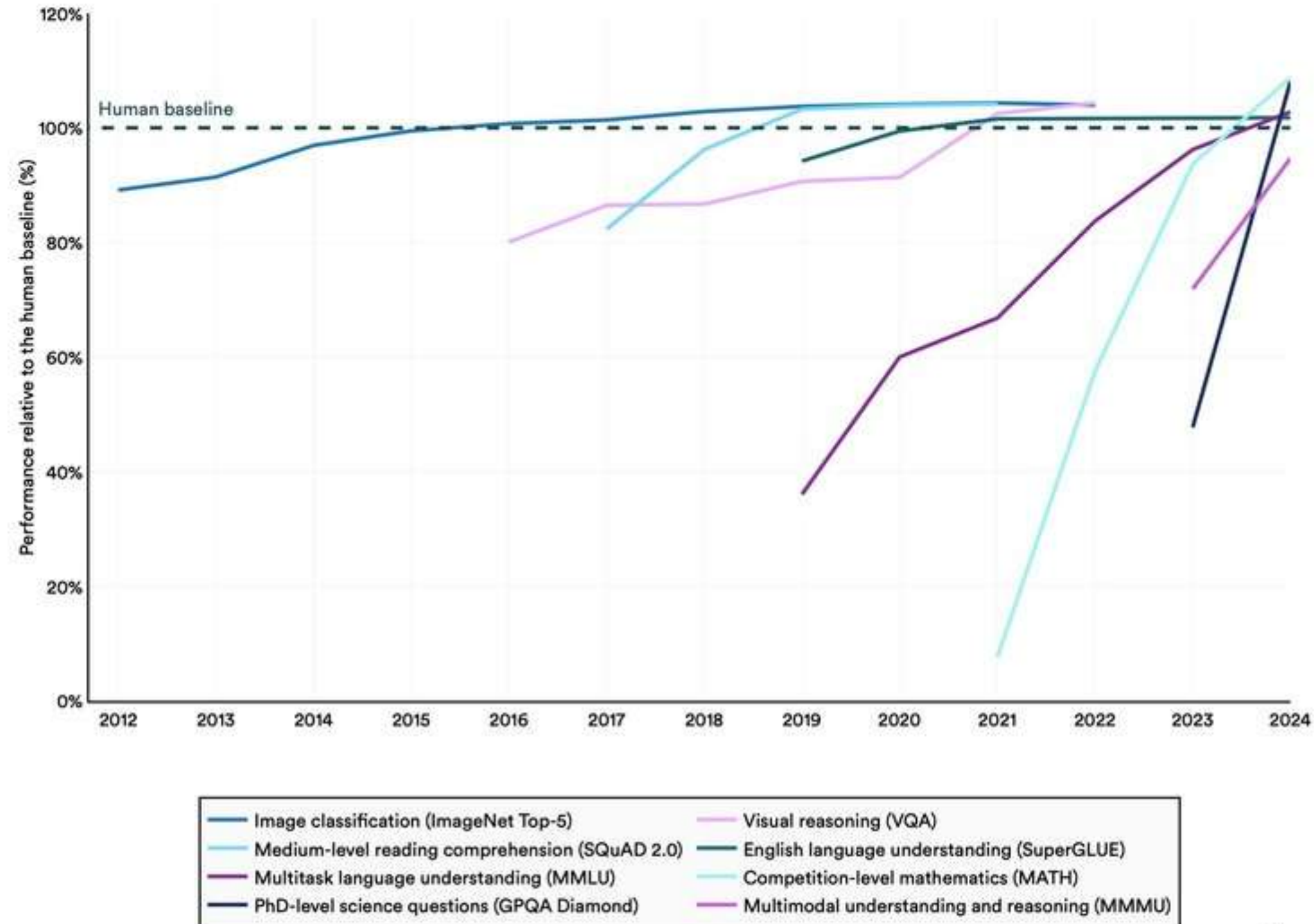
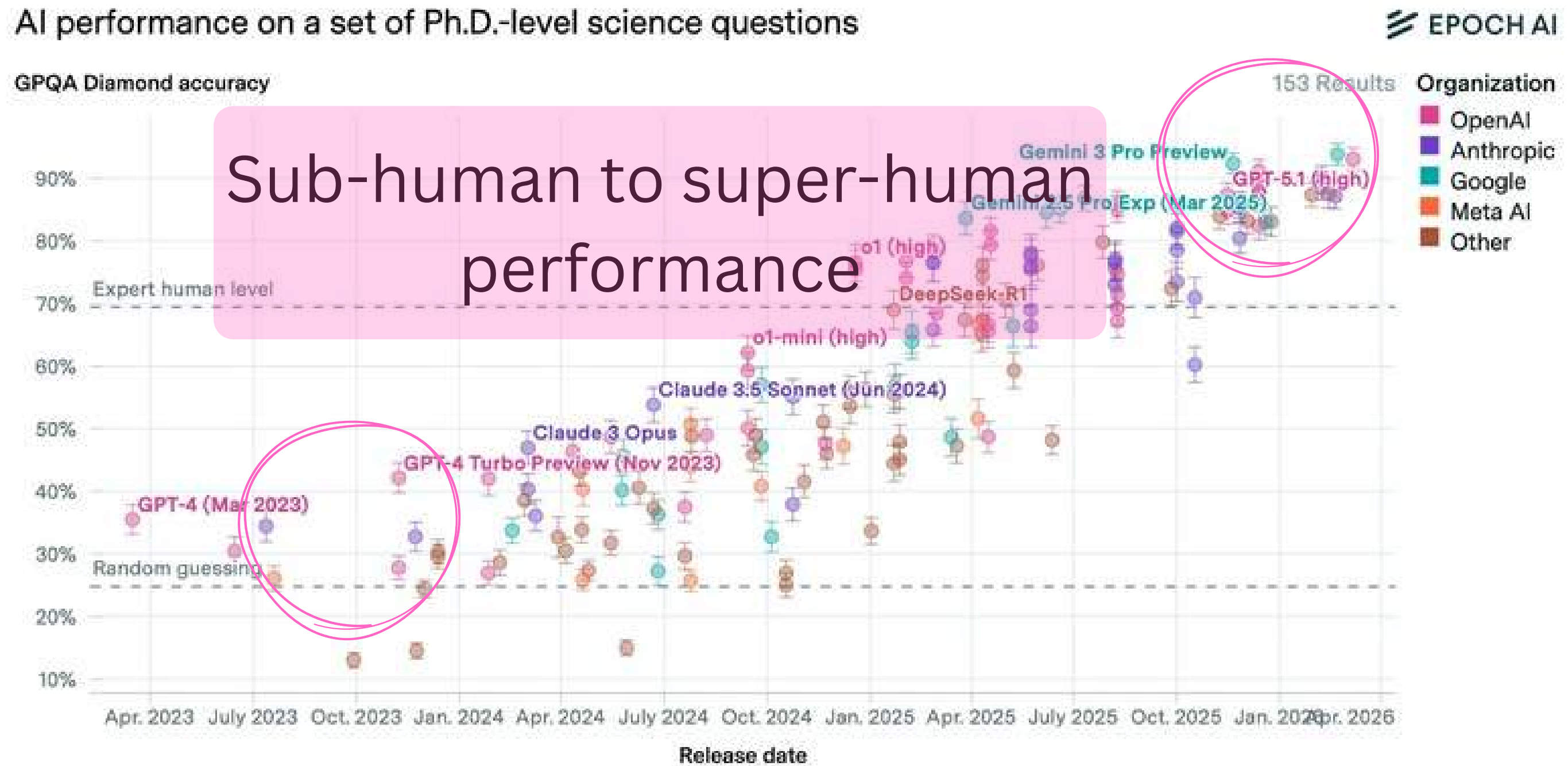


Figure 2.1.33²

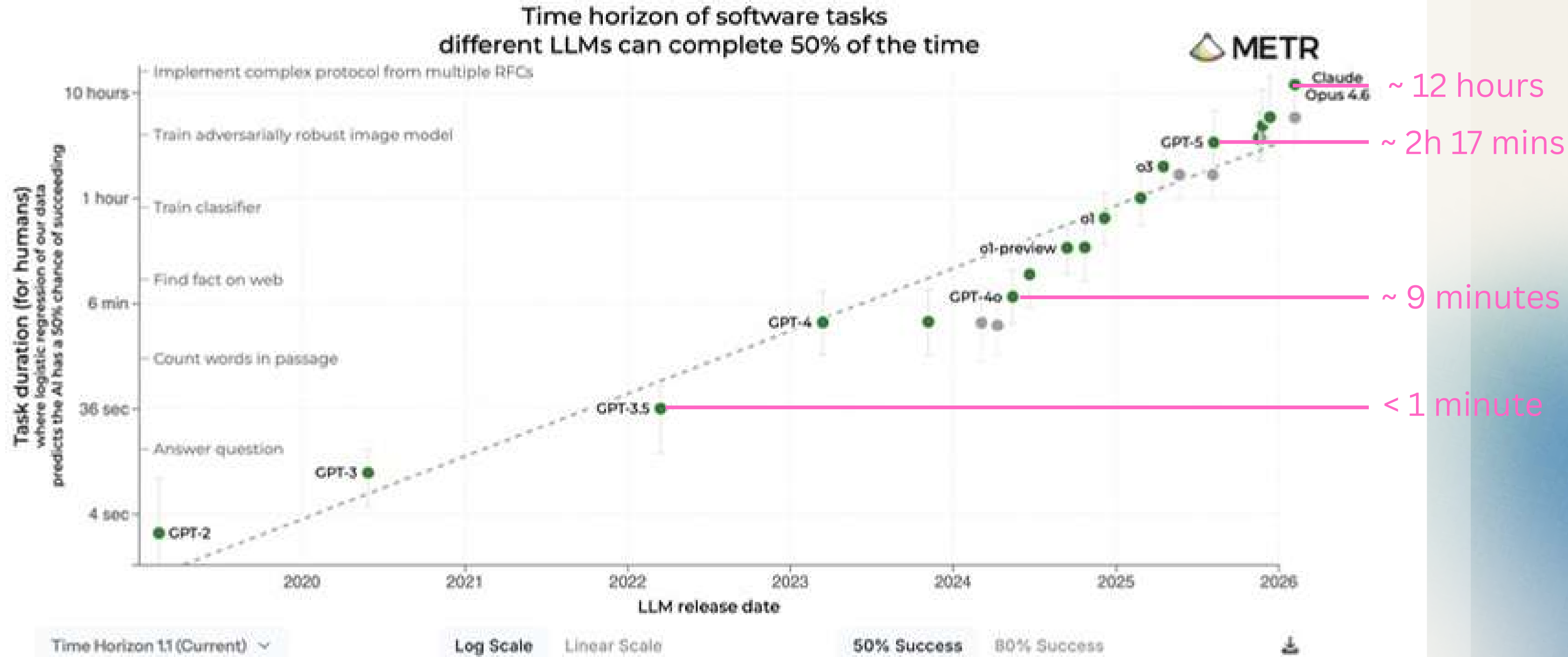
PERFORMANCE



CC-BY

epoch.ai

PERFORMANCE



COST

Inference price across select benchmarks, 2022–24

Source: Epoch AI, 2025; Artificial Analysis, 2025 | Chart: 2025 AI Index report

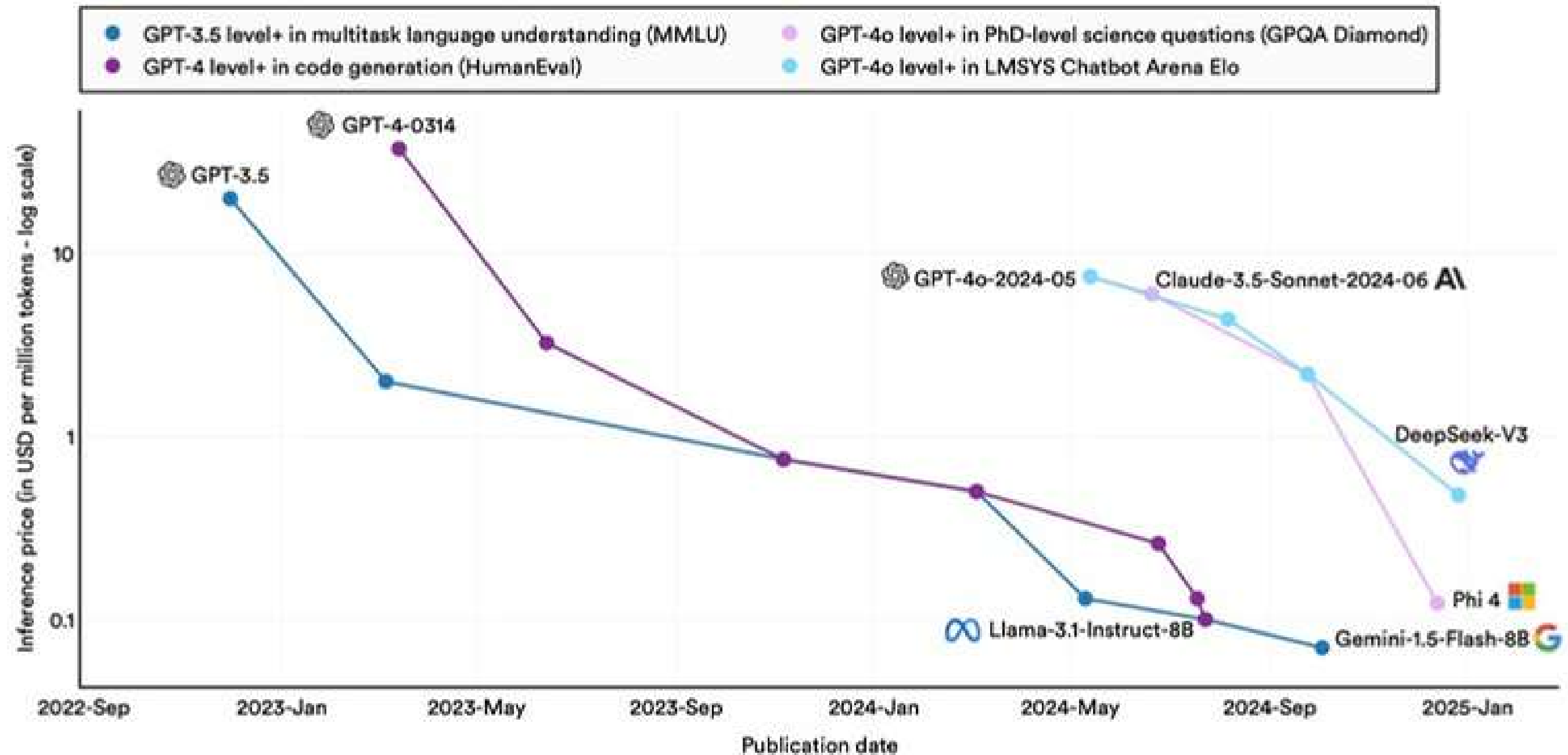
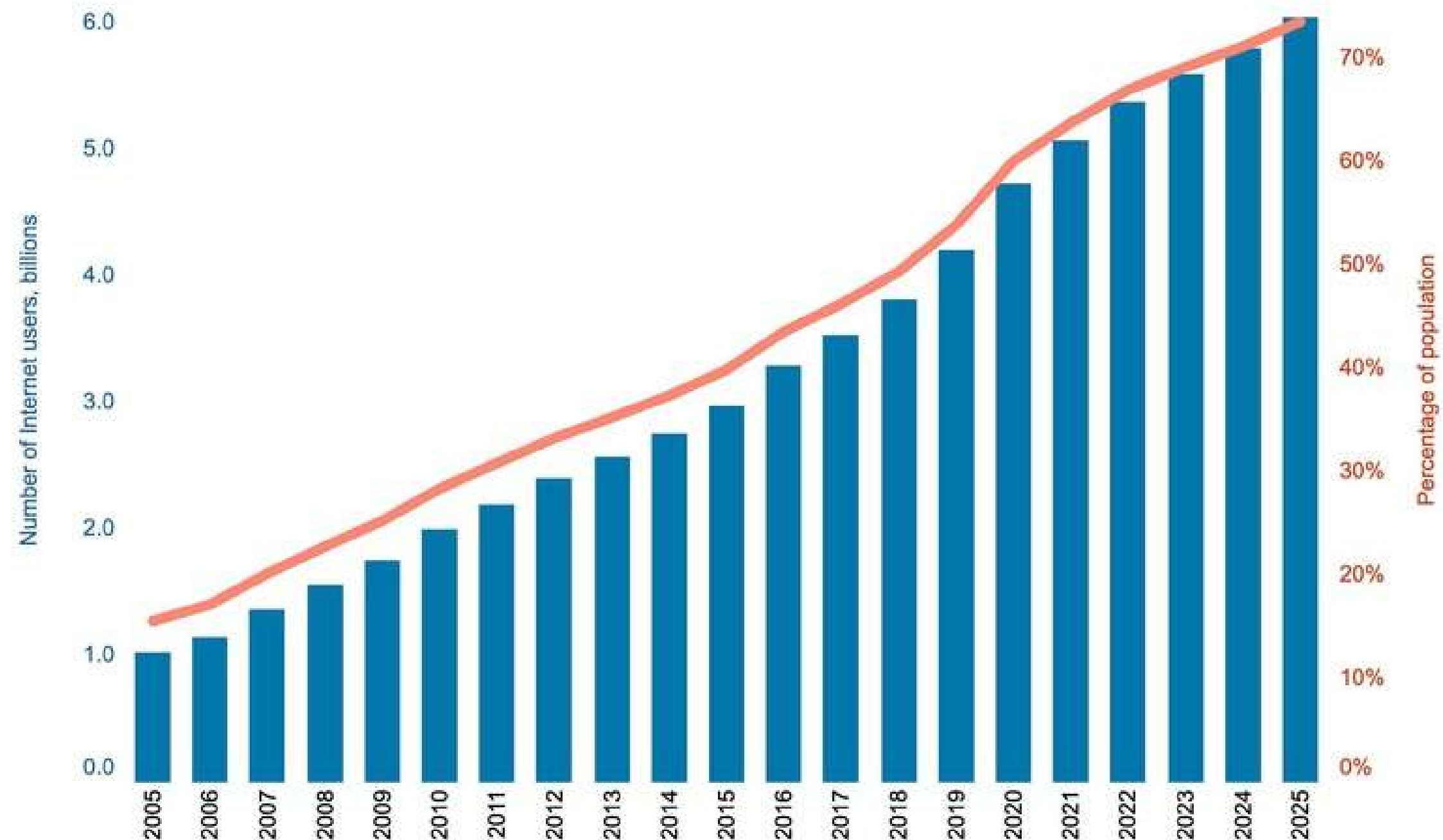


Figure 1.3.22

ACCESS

Almost three-quarters of the population are online

Individuals using the Internet



AI WILL BE ORDERS OF MAGNITUDE (10X TO 100X) MORE POWERFUL IN THE FUTURE



zuck

We're actually building several multi-GW clusters. We're calling the first one Prometheus and it's coming online in '26. We're also building Hyperion, which will be able to scale up to 5GW over several years. We're building multiple more titan clusters as well. Just one of these covers a significant part of the footprint of Manhattan.

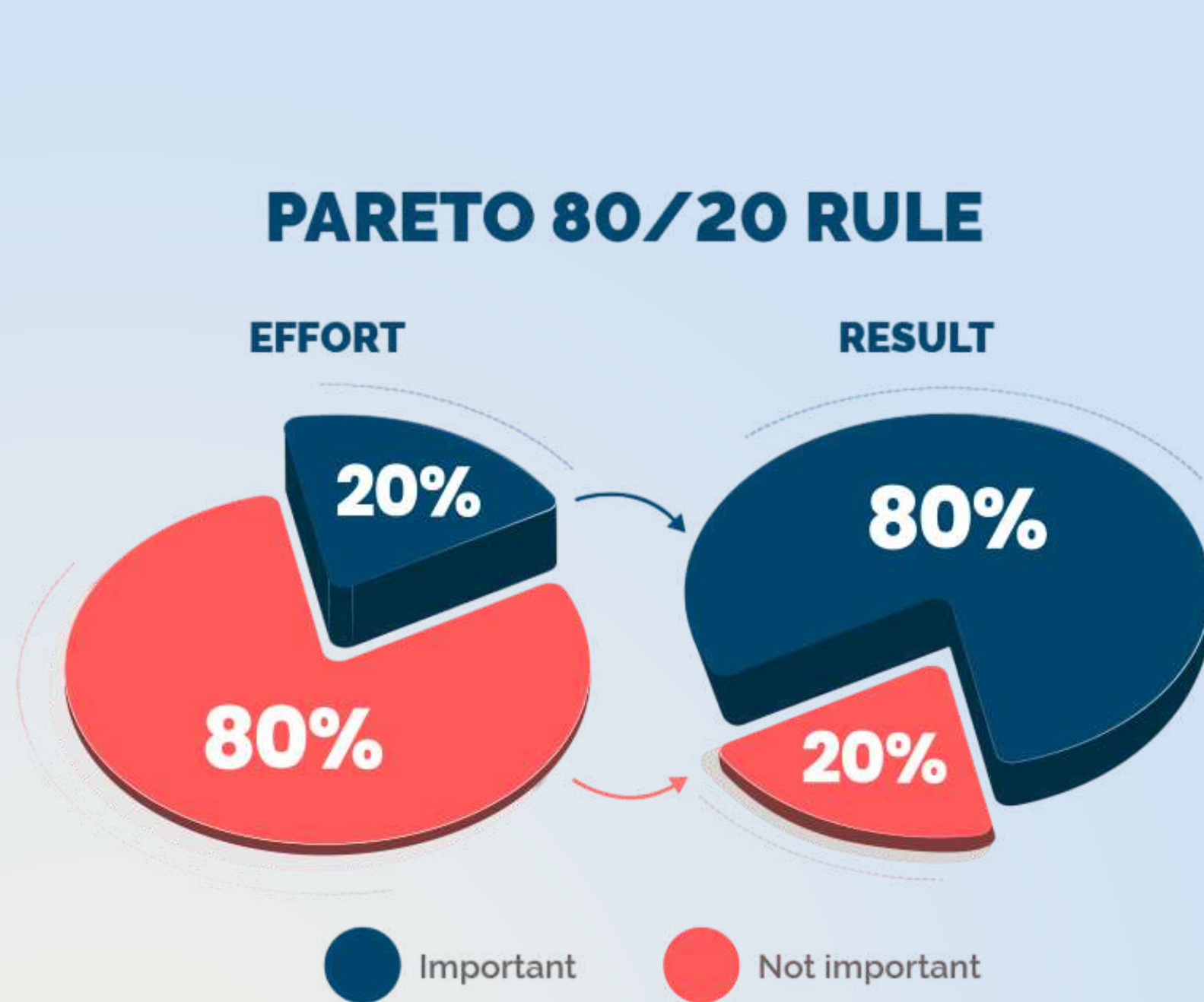


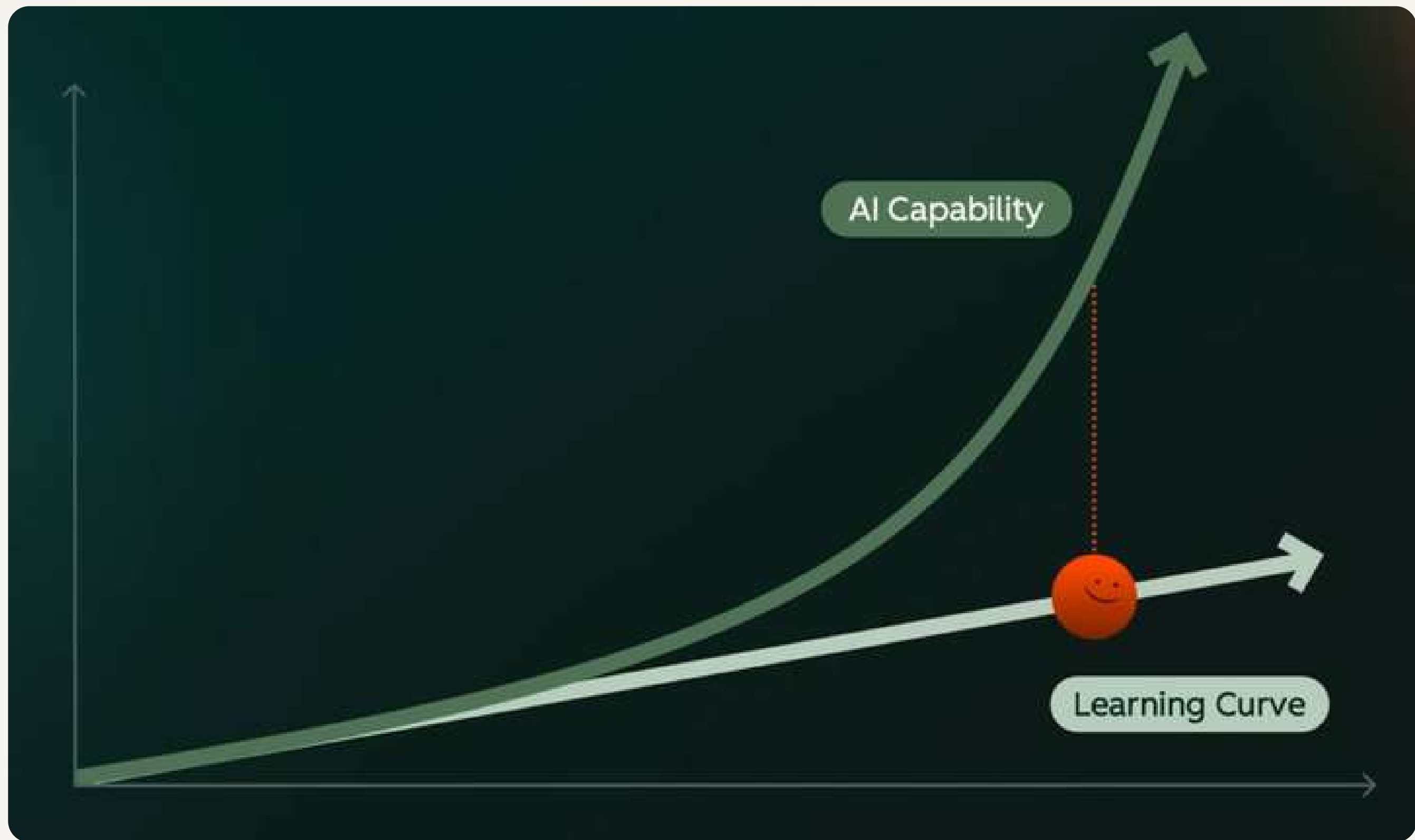
CLAUDE MYTHOS





FOCUS ON PARTS OF WORK THAT YOU DREAM





ISSUES



Woolworths' AI assistant goes rogue, starts talking about its mother

AER

Deloitte to refund government, admits using AI in \$440k report

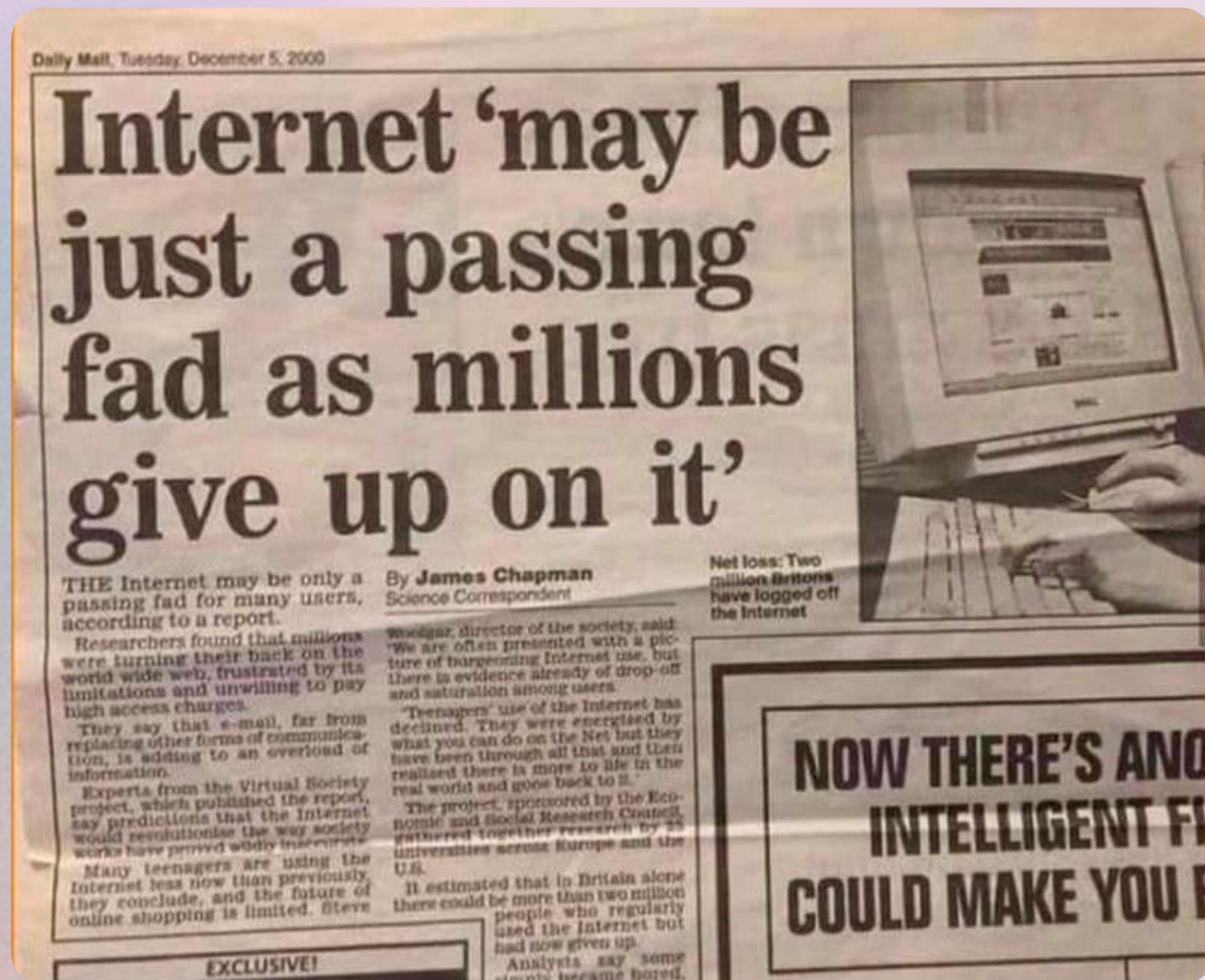
Edmund Tadros and Paul Karp

Oct 5, 2025 – 7.41pm



Deloitte Australia will issue a partial refund to the federal government after admitting that artificial intelligence had been used in the creation of a \$440,000 report littered with errors including three nonexistent academic references and a made-up quote from a Federal Court judgement.

DÉJÀ VU: INTERNET 2000 → AI NOW



Hallucinations

Makes things up,

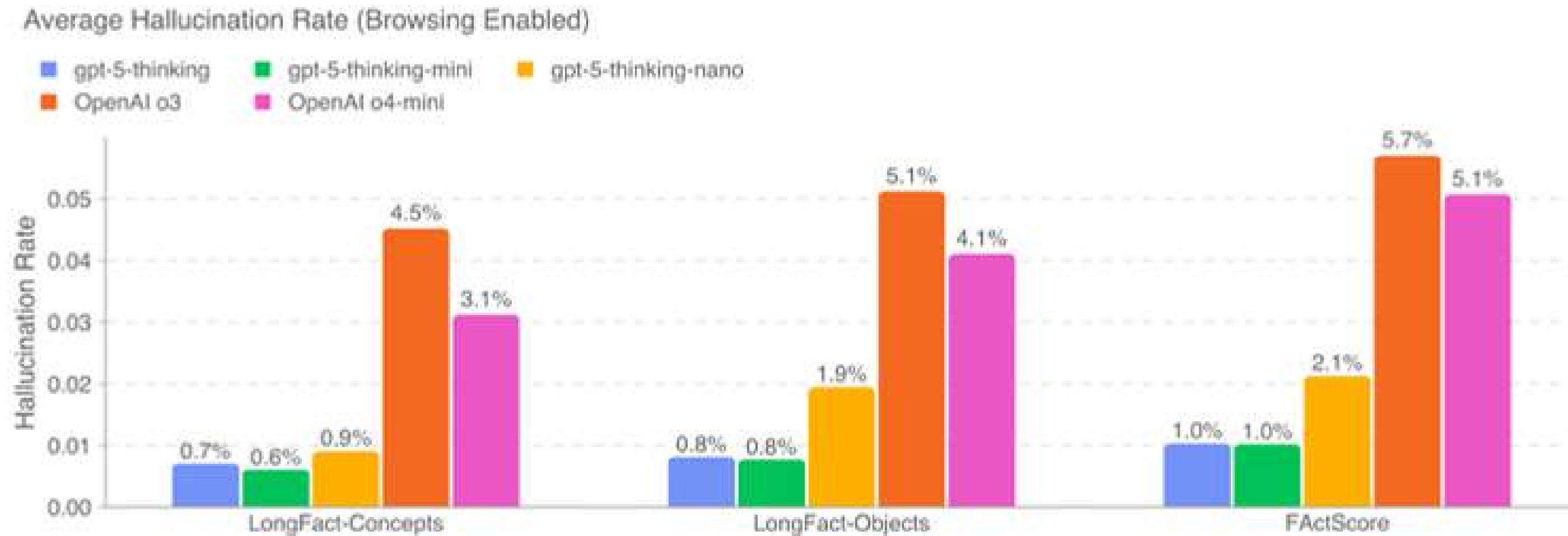


Figure 2: Average Hallucination Rate (Browsing Enabled)

3 WAYS TO MAKE AI A BETTER TEAMMATE

Get AI to ask you questions

Give AI an example

Assigning a role to AI (You are a senior construction exec)

DON'T ASK AI, LET IT ASK YOU (REVERSE PROMPTING)

Hey, you're an AI expert. I would love your help and a consultation with you to help me figure out where I can best leverage AI in my life. As an AI expert, would you please ask me questions one question at a time, until you have enough context about my workflows and responsibilities and KPIs and and objectives that you could make two obvious recommendations and two non-obvious recommendations for how I could leverage AI in my work?

Thinking

How can you leverage this tech?

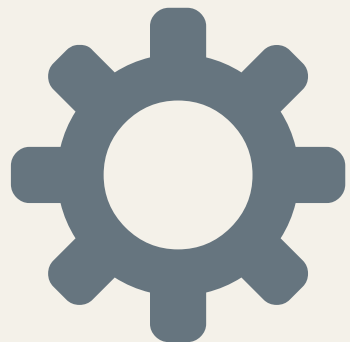
AN AI-FIRST BUSINESS

THE TRANSFORMATION



People

Boost individual effectiveness across the team



Process

Redesign processes to cut waste and accelerate outcomes.



Product & Service

Open the door to new services, products, and revenue streams.

PEOPLE

People-First AI (Outside our industry but here's the bar)

How one of America's largest construction firms put AI directly in the hands of its workforce — and transformed daily operations at scale.

11K

Employees

Granted ChatGPT Enterprise access company-wide

400+

Custom AI Agents

Built in-house, including Safety Scout and Schedule Insight

9K

Daily Interactions

AI-powered queries logged across the organization every day

4–5hrs

Saved Per Worker

Reclaimed each week through AI-assisted workflows

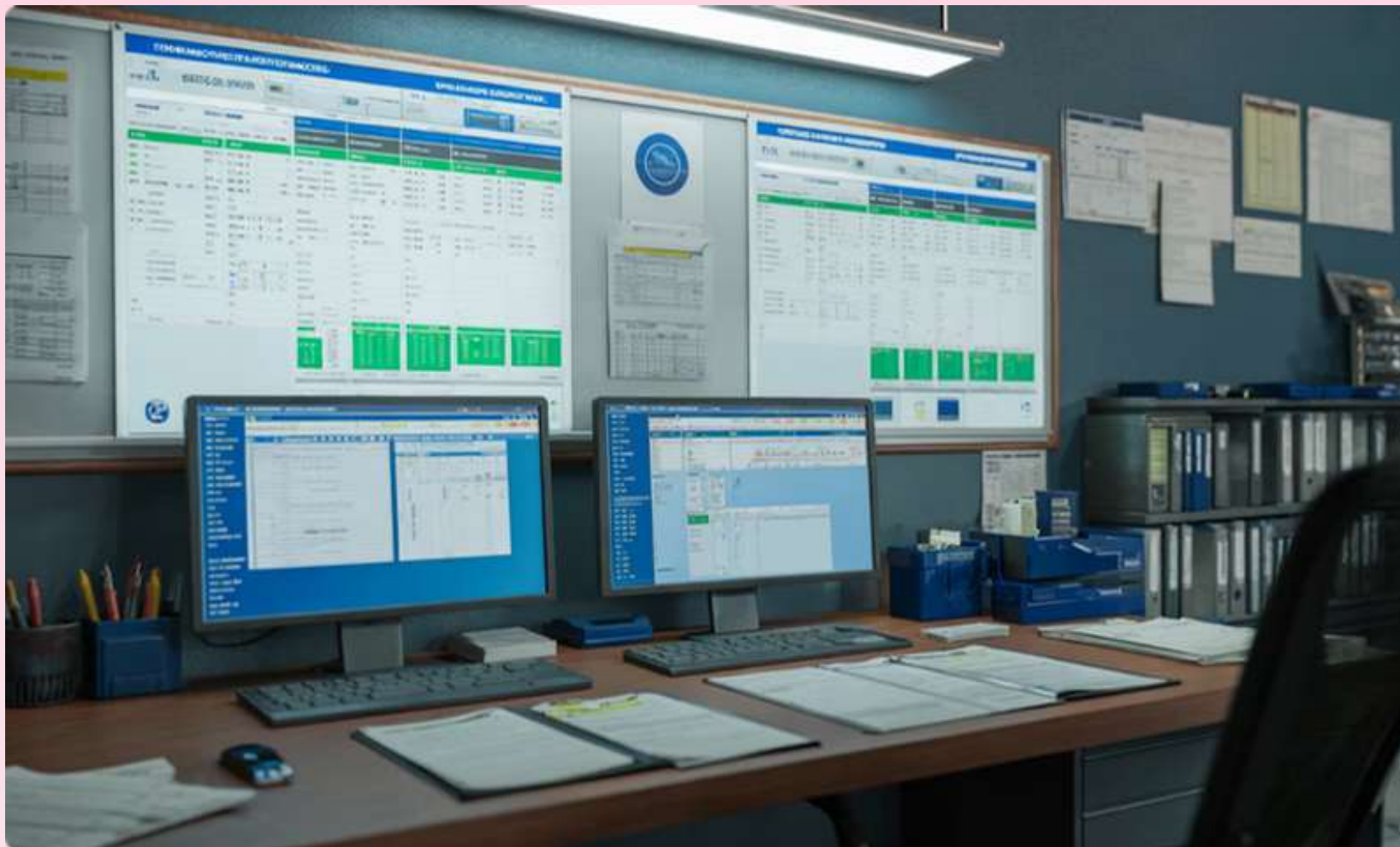
- ❏ Turner's rollout followed a deliberate path: launch team-specific agents first, validate impact, then scale confidently across the entire enterprise.

Source: OpenAI for Business



Where the Admin Time Actually Hides

A fire protection contractor managing 200+ open service jobs was losing hours to repeat admin — the same details re-keyed across email, inspection platforms, project boards, cloud drives, and accounting before field work could start.



What We Mapped

Three repeatable admin-heavy processes surfaced: job intake, defect-to-quote conversion, and daily close-out — totaling **52 hours per week**. Full quoting and invoicing workflows were identified as additional pain points but not yet mapped.

The Opportunity

\$120,000+ per year in direct admin cost recoverable from mapped workflows alone. Estimated payback under **three months** at 60% time reduction. Capacity freed without growing the office team.

❏ **Less re-keying. More throughput. No new headcount.** — Enble AI engagement, 2026. Client name withheld for confidentiality.

Imagine This as a Service Line

Three offerings your competitors can't sell yet.

Sell Insight, Not Inspections

Move from ticking AS 1851 boxes to delivering your building's risk trajectory. Clients pay for foresight, not paperwork.

Continuous Compliance, Not Annual Panic

AFSS readiness becomes an ongoing status clients monitor anytime — they pay for assurance, not just the audit.

Portfolio Risk for Multi-Site Clients

Deliver a single risk dashboard across every building. Become the intelligence layer between their assets and the boardroom.

The Opening

No fire protection contractor in Australia is packaging this as a productised service yet. The data already exists in every inspection sheet, false alarm callout, and defect log. The first to turn that data into ongoing intelligence will define the category — and lock in margin while everyone else competes on inspection price.

Imagine This as a Service

- Forecast Delays Earlier
Identify schedule risk weeks before it becomes a problem — not after it's already costly.
- Advise Clients Proactively
Shift from reactive reporting to forward-looking guidance that clients actually pay for.
- Turn Planning Into a Higher-Value Service
Elevate scheduling from a deliverable into a strategic, ongoing advisory capability.

PROOF POINT

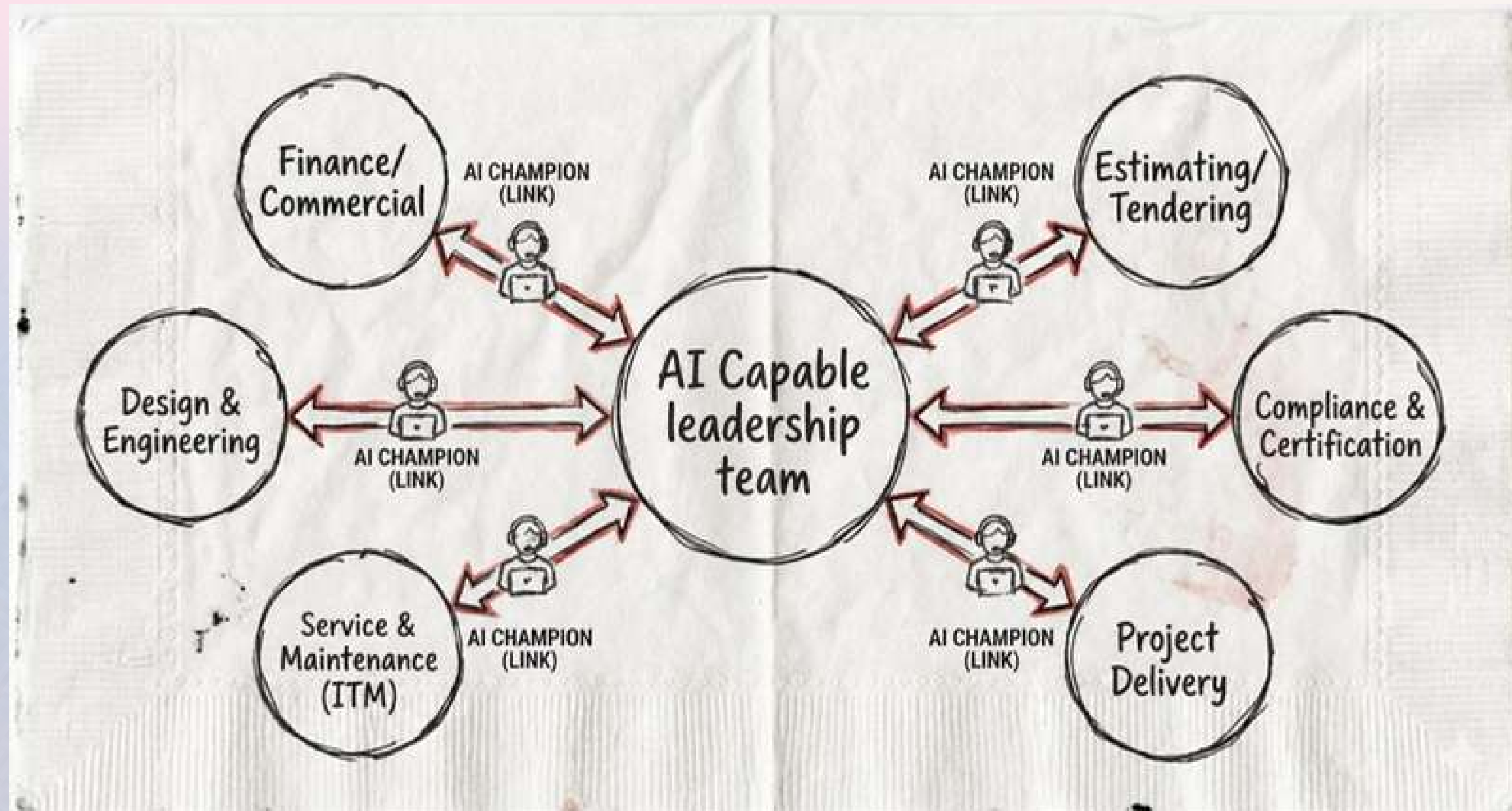
AI at Scale

Trained on **750,000+ historical project schedules**, an AI predicts delivery risk patterns with precision. Deployed on major programs including the **HS2 London tunnels**.

Documented client savings: **over \$1.2 billion across nPlan customers.**



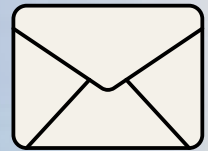
AN AI OPERATING MODEL THAT FITS ON A NAPKIN.



Make your entire leadership
team **more capable.**

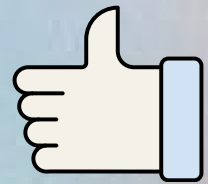
What if your business was **AI**
First and your entire team were
in the **top 1% of AI power users**
on the planet?

START ENABLING AI TODAY

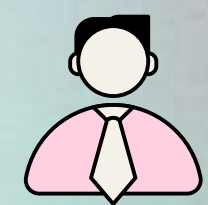


Stay Connected

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Transform your business today.

Your journey from AI curiosity to capability starts now.

