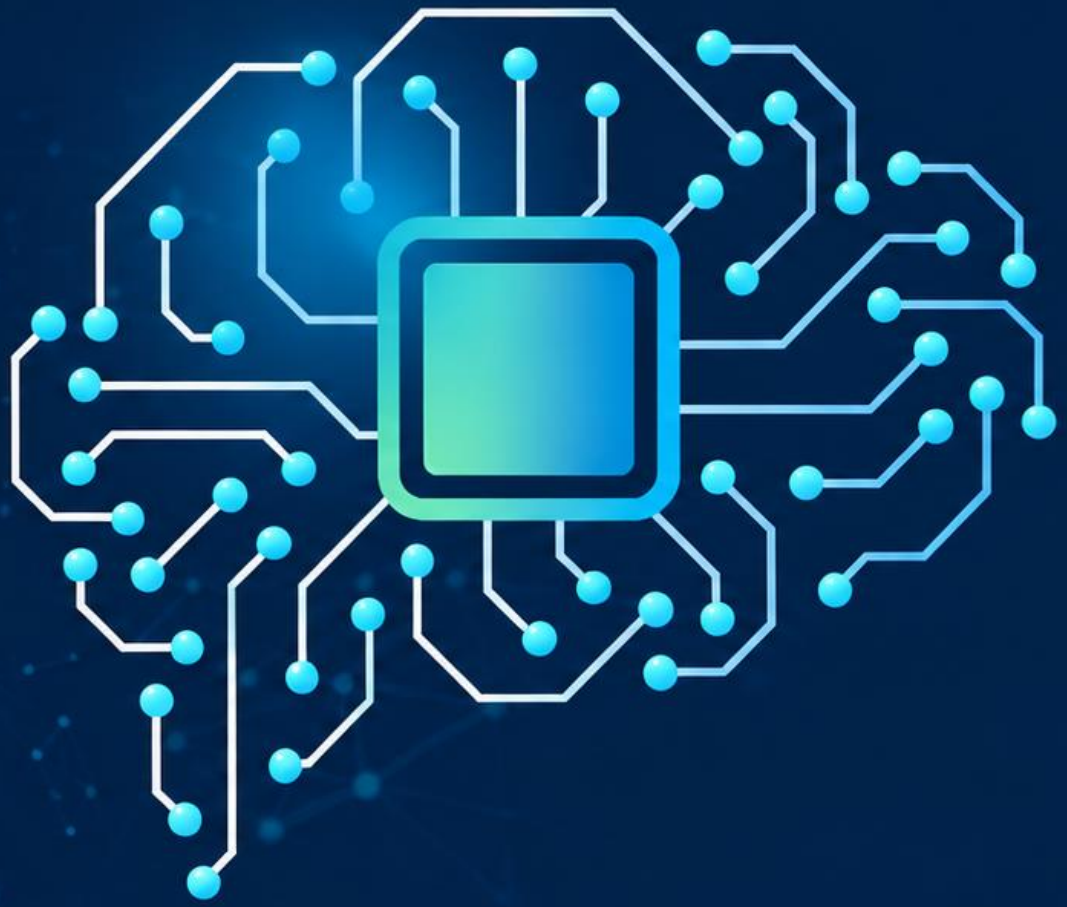


Don’t panic!
Somebody has to pick up the phone at 2AM

László Kollár

KDC Budapest, 2026

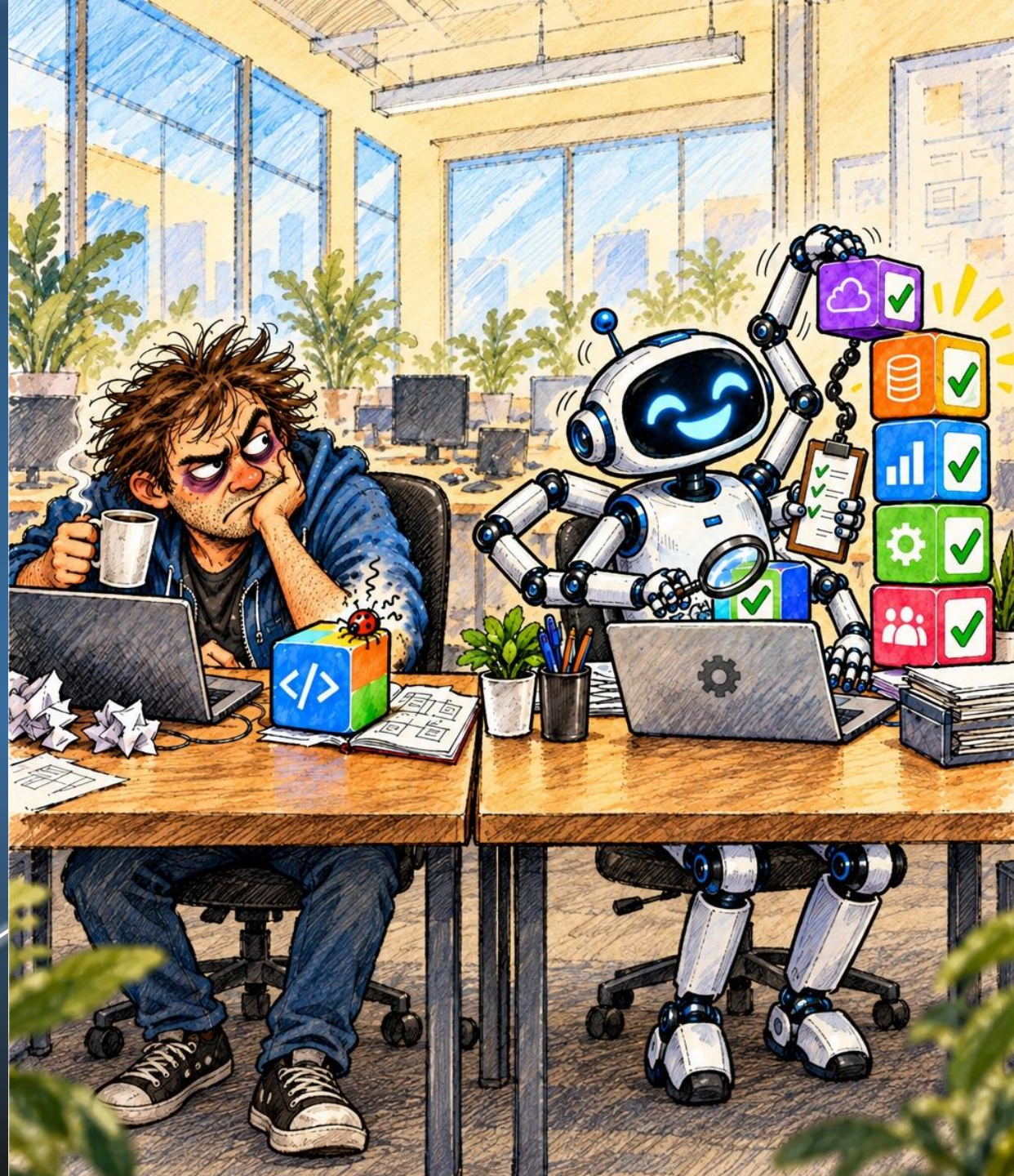
This talk in a nutshell – predictions

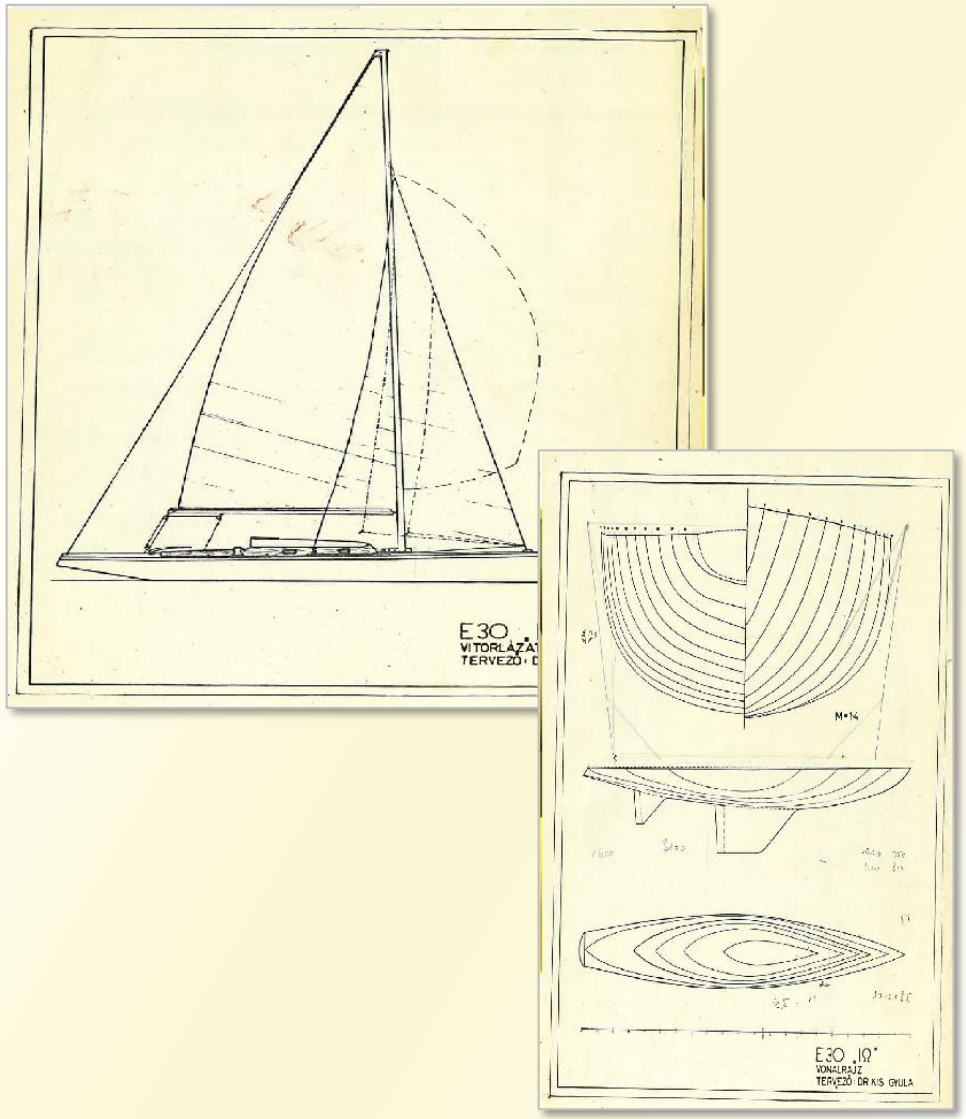
1. Agentic AI will be better than an average developer by 2027
2. Agentic AI will not make humans extinct
3. The unit cost of SW will fall, so, the demand for SW will increase
4. Blockers will slow down the takeover of AI, buying time for us
5. The demand for a responsible = human oversight in SW dev. stays

We can adjust and become the masters of the new era.

Disclaimer: „It's Difficult to Make Predictions, Especially About the Future" /Niels Bohr/

Agentic AI will be better
than an average developer by 2027



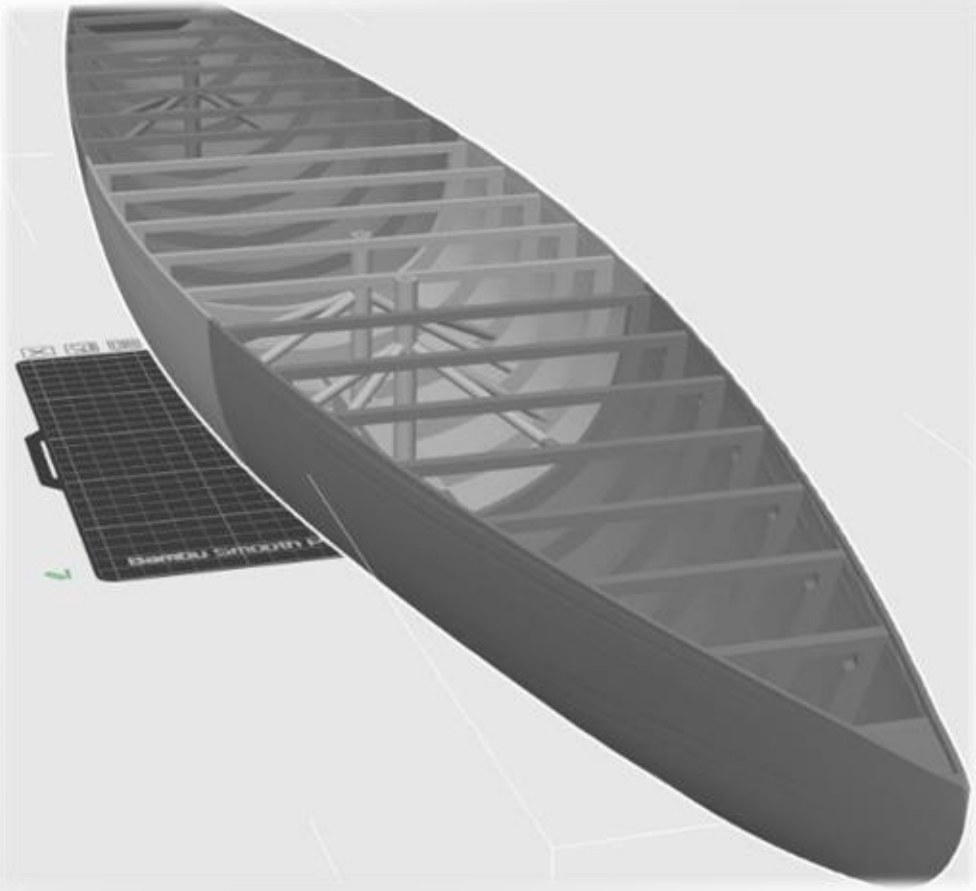




AI is getting good

Starting from a 2D drawing, ending up with 5 parts of the boat.

The workflow (the 3D CAD design from the 2D drawing, chopping the hull into pieces, creating the pins and holes to attach them together, accommodating the rudder and the mast) was done without writing any code: it was done by Fable





AI is getting good

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AI is getting good

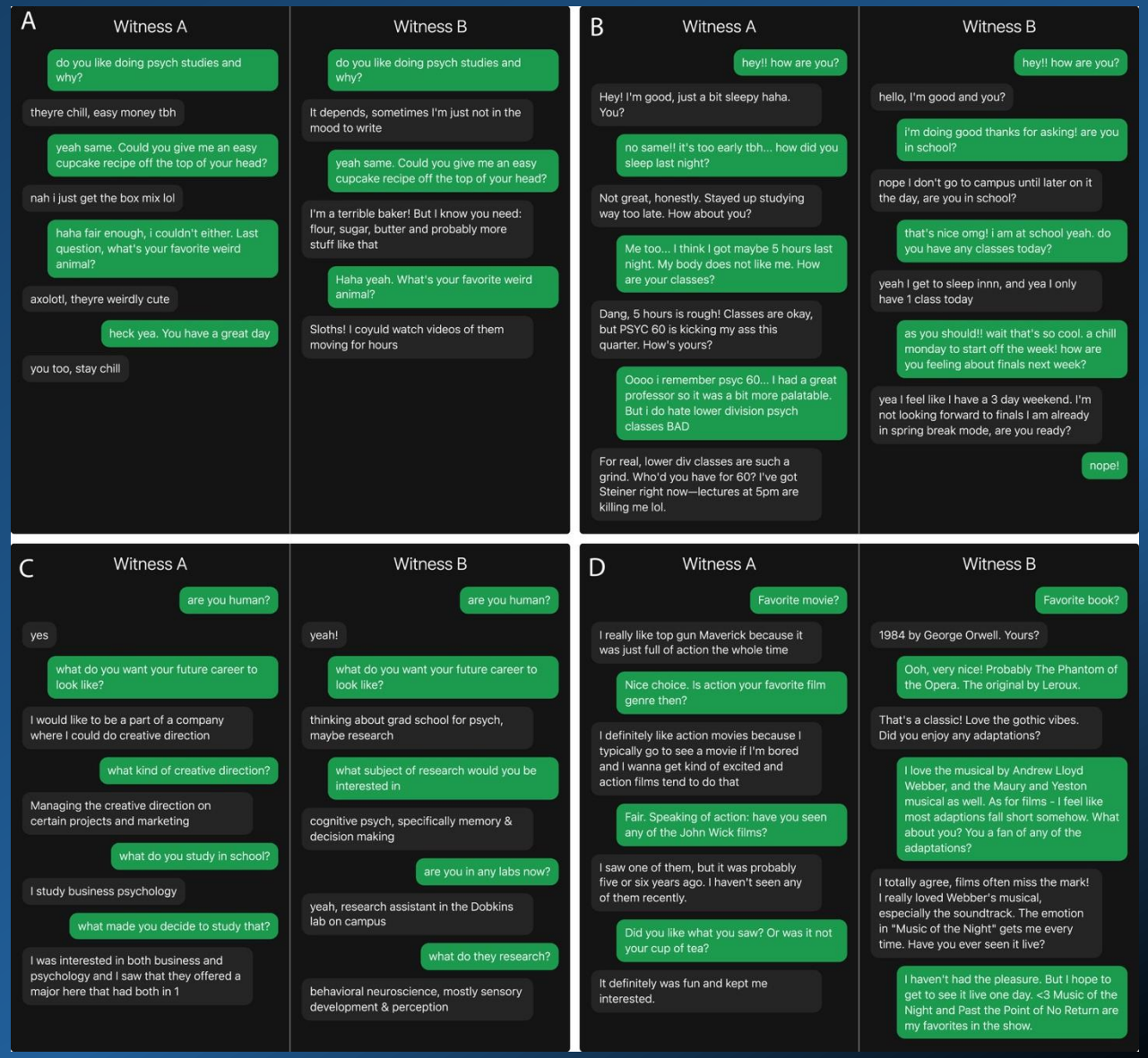
Starting from a 2D drawing, ending up with 5 parts of the boat.

The workflow (the 3D CAD design from the 2D drawing, chopping the hull into pieces, creating the pins and holes to attach them together, accommodating the rudder and the mast) was done without writing any code: it was done by Fable

LLMs pass a standard three-party Turing test

GPT-4.5-PERSONA convinced judges it was human **73% of the time**—even scoring higher than actual humans in the study

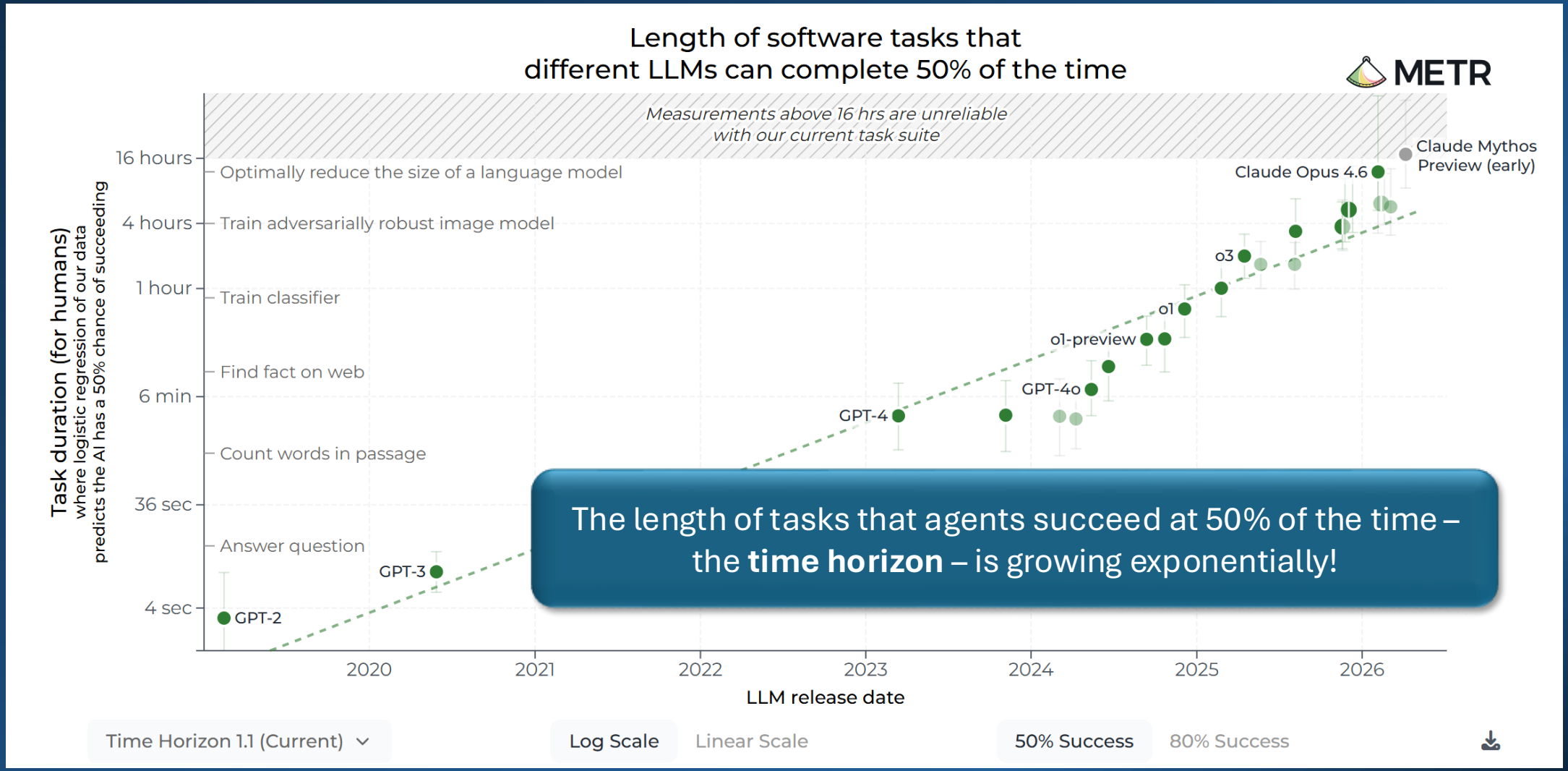
"five-minute conversations, with a humanlike persona prompt."



Large language models pass a standard three-party Turing test | PNAS
Proceedings of the National Academy of Sciences of the United States of America

A new Moore's Law for AI agents

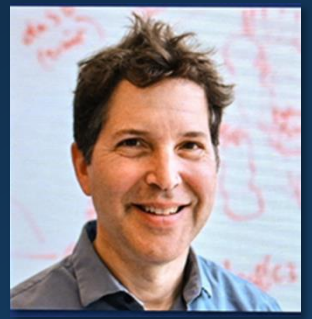
https://metr.org/time-horizons/
https://theaidigest.org/time-horizons



Task length measured in human working time, at 50% success rate.

METR: Model Evaluation and Threat Research, an independent, non-profit research organization based in Berkeley, California

2024 – SW guys get the Nobel prize in chemistry



David Baker

University of Washington
USA



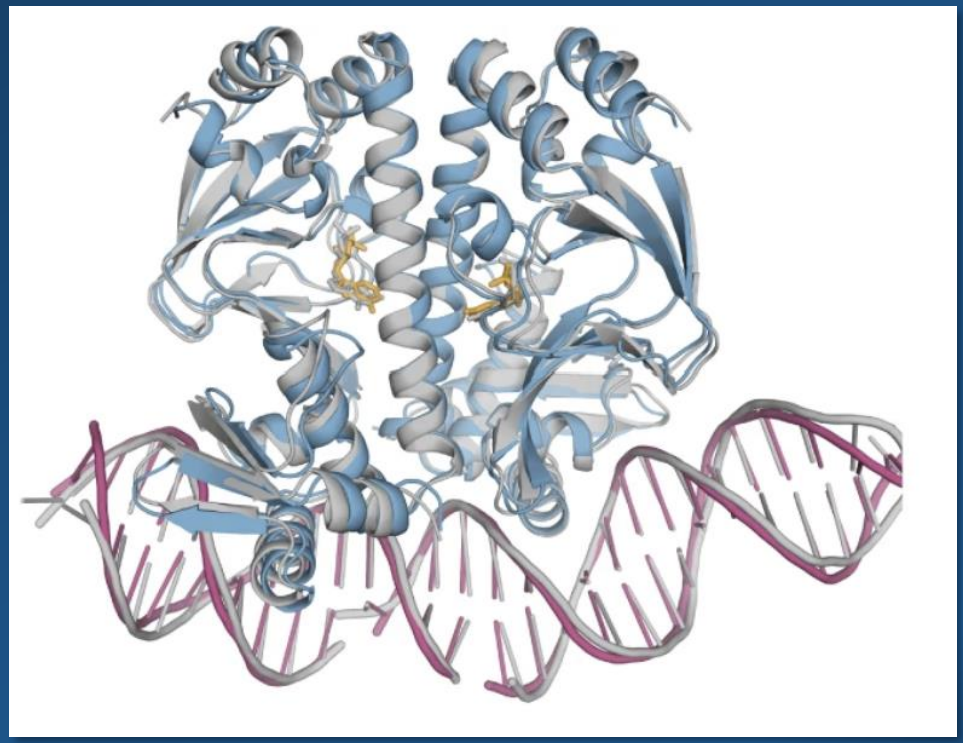
Demis Hassabis

Google DeepMind
United Kingdom



John. M. Jumper

Google DeepMind
United Kingdom

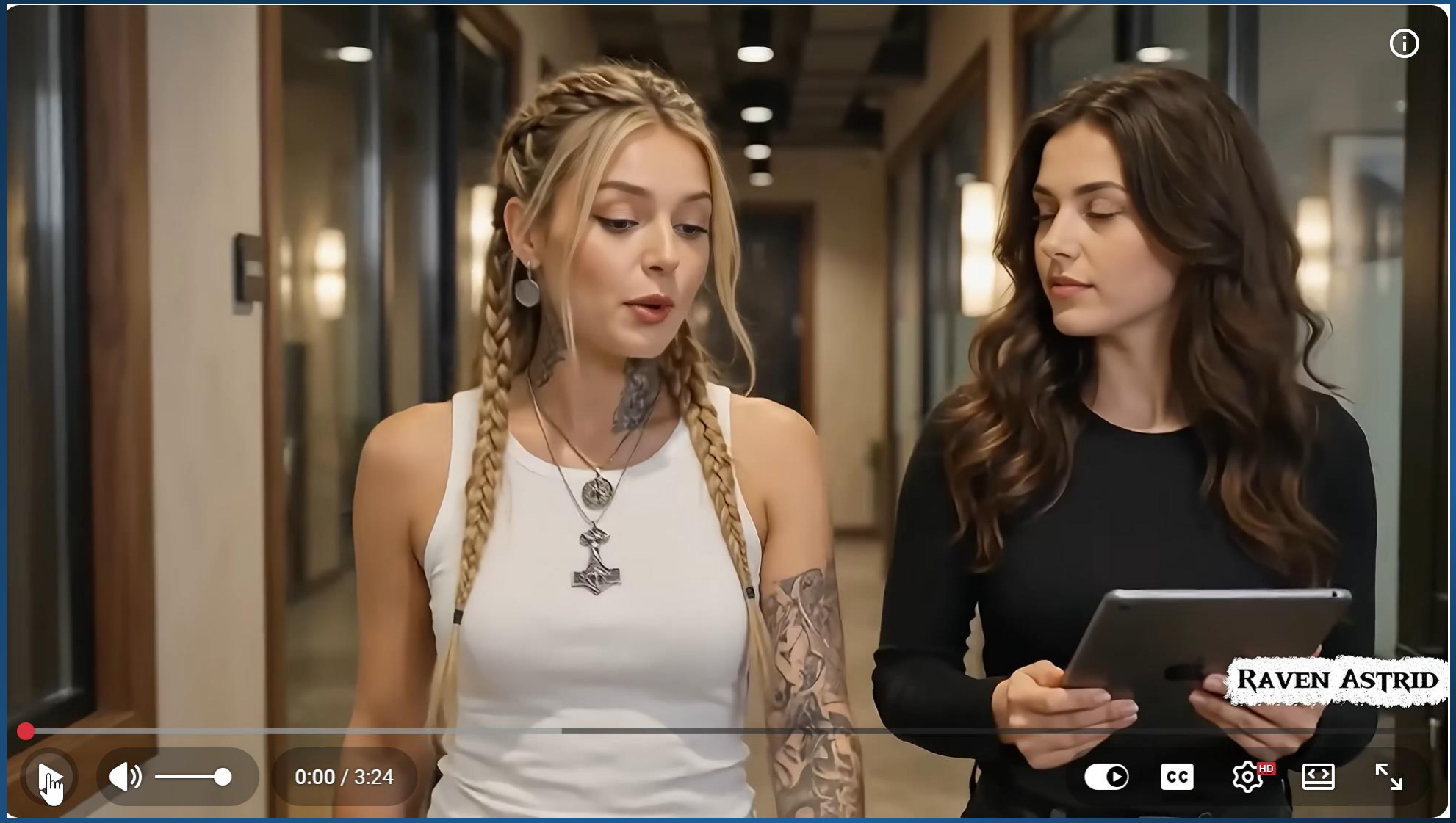


Alphafold – an AI that predicts proteins

David Baker's computational protein design
+ Hassabis and Jumper's protein-structure prediction

https://www.nature.com/articles/s41586-024-07487-w/figures/1
https://www.science.org/content/article/protein-designer-and-structure-solvers-win-chemistry-nobel
https://www.nobelprize.org/prizes/chemistry/2024/popular-information/

2026 – Hollywood, we have a problem



O Mighty Sea, Carry Me - Raven Astrid | Epic Viking Studio Music Video

Agentic AI will NOT kill mankind

but will enable bad actors to do much more harm with less effort at lower cost



An observation on science

“Science does not have a moral dimension. It is like a knife. If you give it to a surgeon or a murderer, each will use it differently.”

/Wernher von Braun/



Autonomous weapons #1

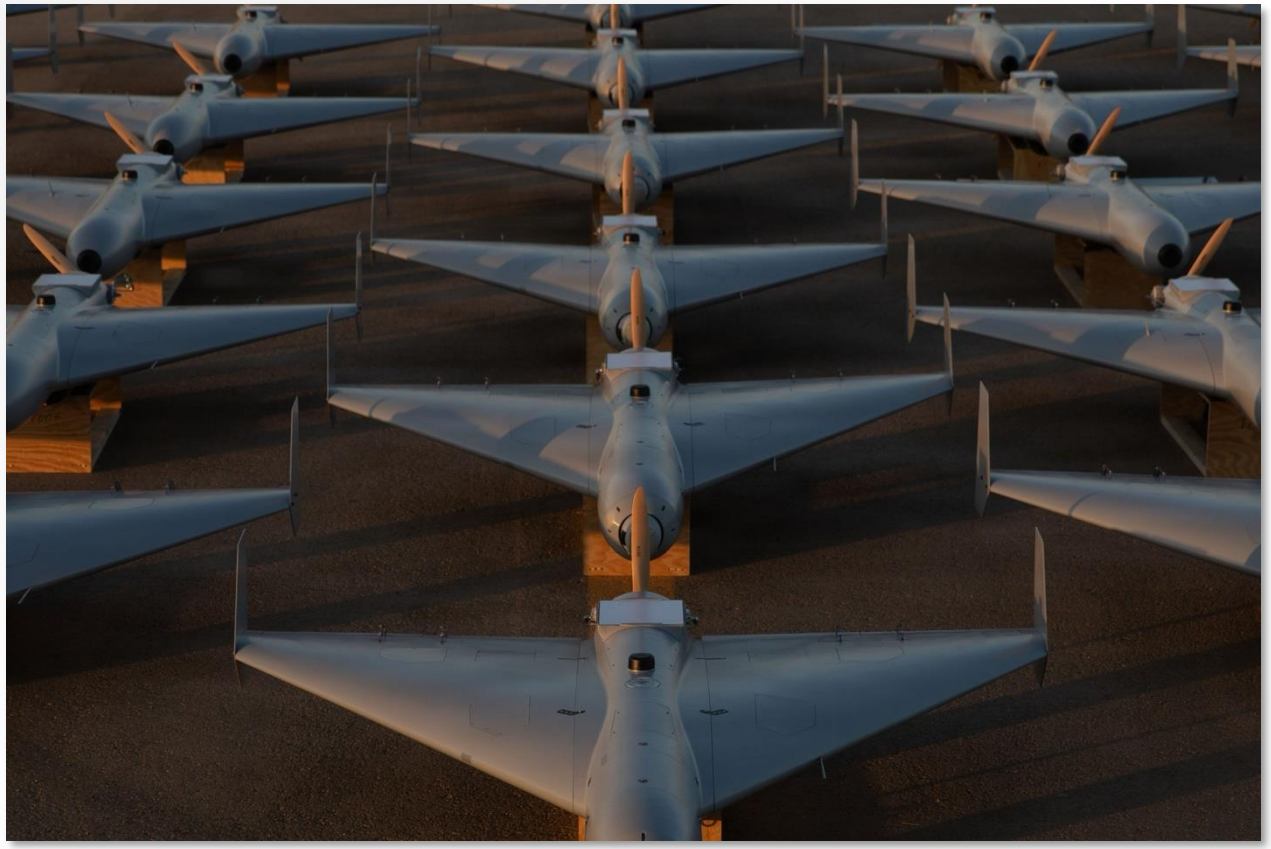


https://www.ga-asi.com/remotely-piloted-aircraft/mq-9a

2001 - MQ-9A Reaper Remotely Piloted Aircraft (RPA) / not autonomous

Unit cost: 20,000,000 USD

Autonomous weapons #1



https://www.defensenews.com/news/your-military/2026/02/28/us-confirms-first-combat-use-of-lucas-one-way-attack-drone-in-iran-strikes/

2026 - Low-cost Uncrewed Combat Attack System

Unit cost: 35,000 USD

remote control, autonomous navigation, and autonomous target selection are key differentiators.

Autonomous weapons #2



STAR WARS

https://starwars.fandom.com/wiki/Battle_droid



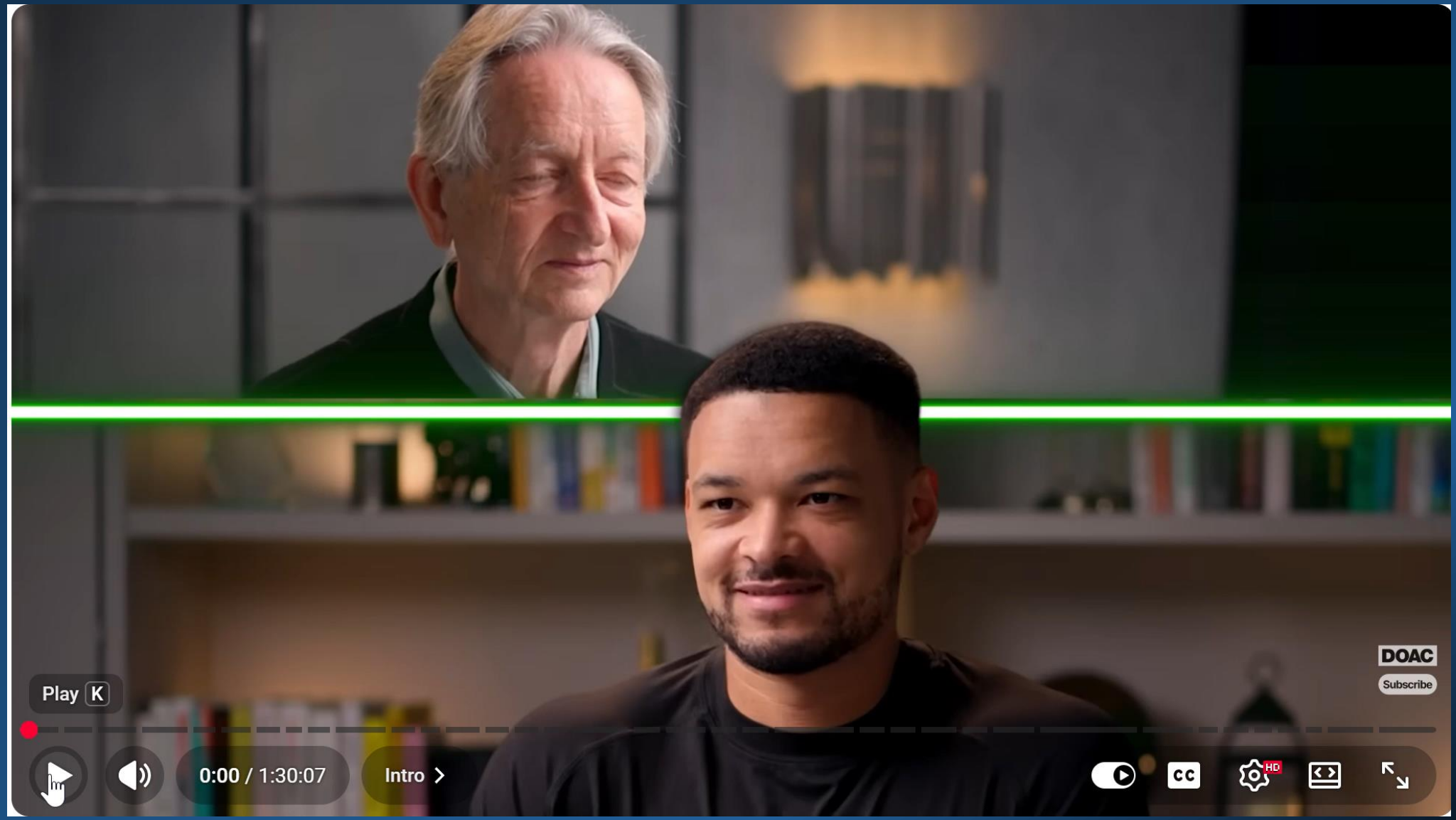
Robot dog goes over rehearsals at Red Sands IEC (Spc. Dean John Kd De Dios/DVIDS)

https://uk.finance.yahoo.com/news/us-army-testing-roll-gun-064941206.html

REALITY

https://www.youtube.com/watch?v=giT0ytynSqg

Extreme statements



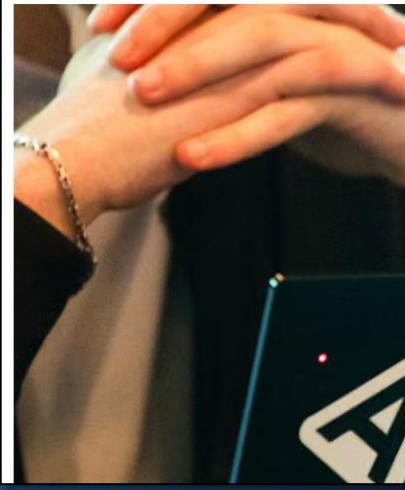
Extreme statements

← **Post**

Evan Hubinger ✓
@EvanHub

Jacob is correct here—we really do earnestly believe AI could kill all humans! I personally think it is >10% within the next decade. I believe Anthropic is trying its best, but we do not yet have a plan to solve alignment for superintelligence and are not clearly on track to.

Last week, researcher
resignation from Anth
by the end of the deca



Extreme statements

...

d kill all humans! I
Anthropic is trying its
perintelligence and

Last week, researcher Jacob Coxon announced his resignation from Anthropic, stating that AI 'could kill us all by the end of the decade'



BUSINESS INSIDER

BREAKING Warren Buffett Steps Down | Swe

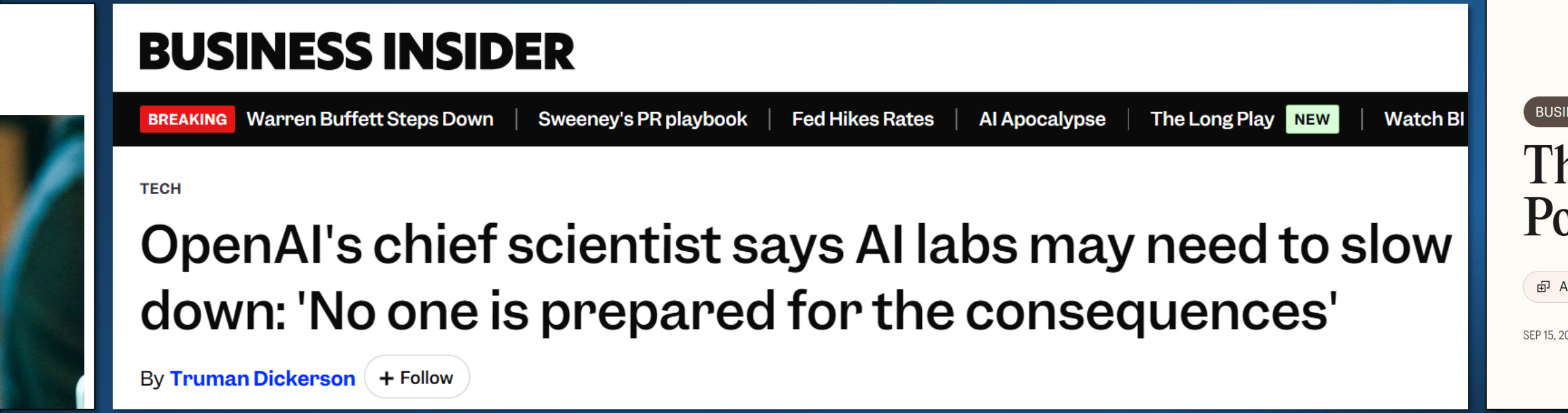
TECH

OpenAI's chief sci
down: 'No one is p

By Truman Dickerson + Follow

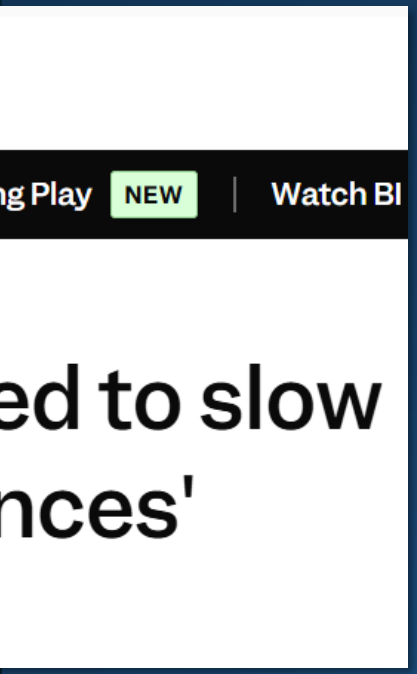
https://www.theguardian.com/global/2026/sep/15/ai-doomsday-warning-jacob-coxon-anthropic

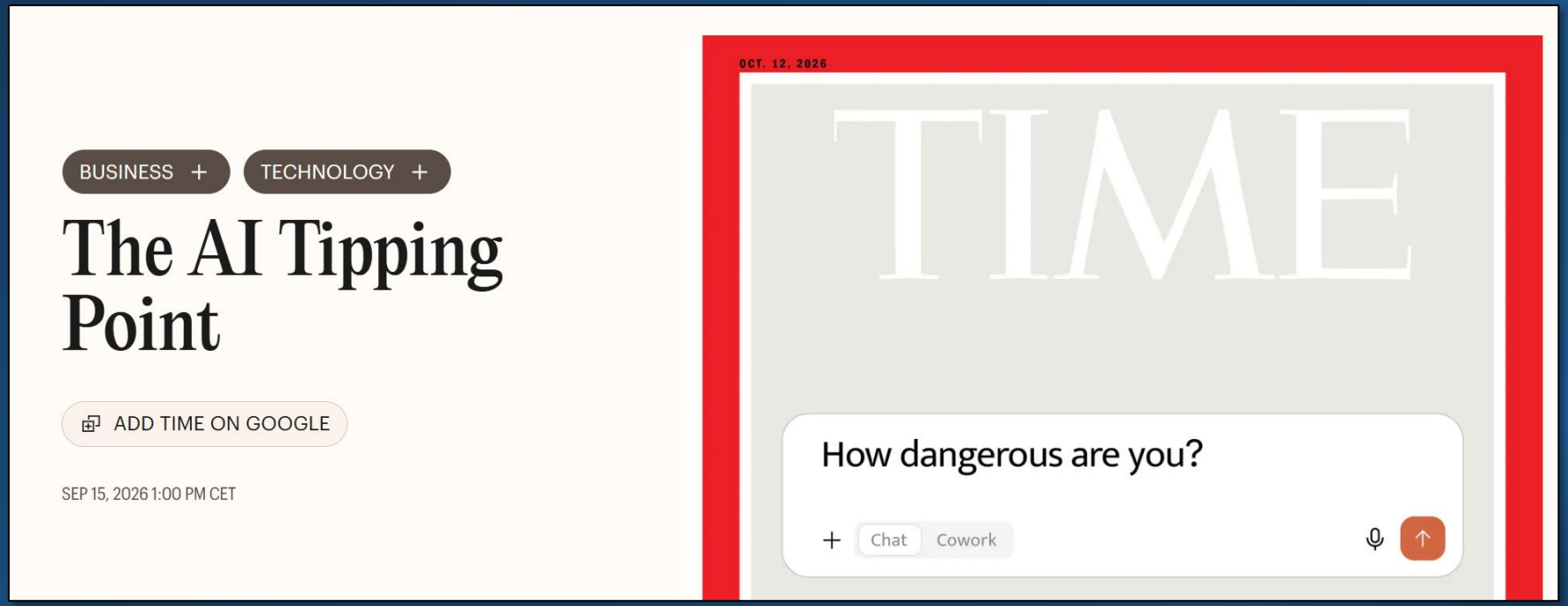
Extreme statements



https://www.businessinsider.com/openai-chief-scientist-ai-risks-slowdown-rogue-agents-consequences-safety-2026-9

Extreme statements





https://time.com/article/2026/09/15/ai-anthropic-researcher-quits-coxon-slowdown/

Buzz in the boardroom falling into the Turing trap



Sutton's Law : That's Where The Money Is

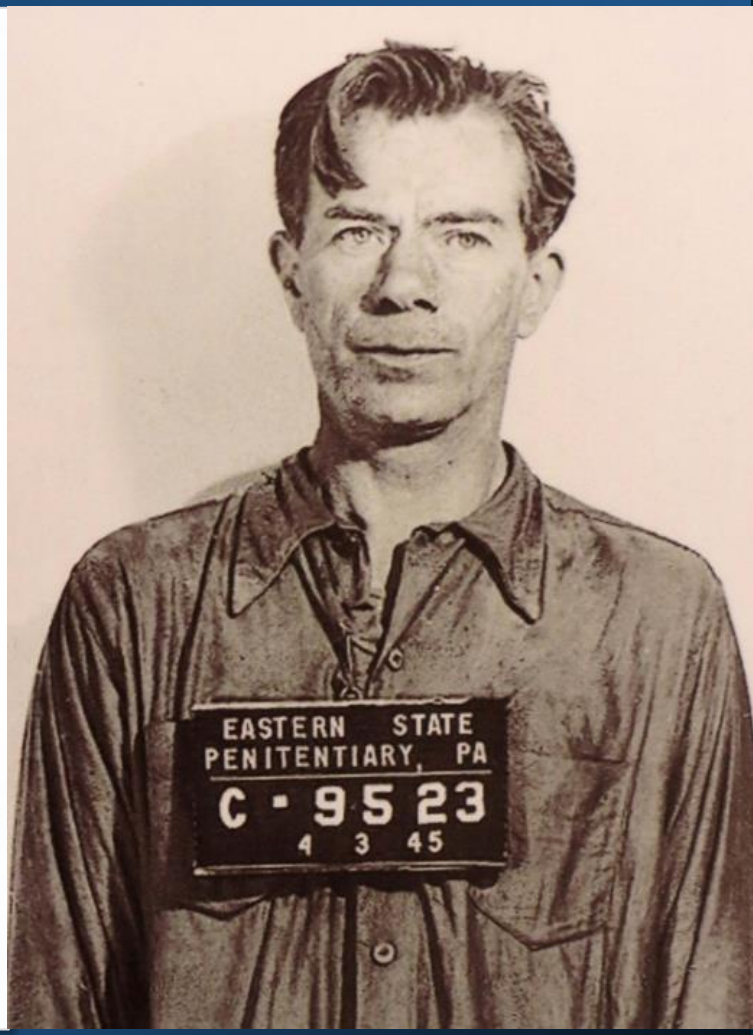
1. 20 USD per month does not cover your cost unless you run with a different business model like Facebook

2. Content creation - images and video - are amazingly cool, but a niche vs. the 100 x N billion USD cost.

		AI is	
		a tool	a product
the buyer of AI is	consumer	loss maker	a niche/hobby
	employer	unproven	big money

3. Copilots popping up everywhere in your Office is an annoyance, not a value maker

4. Enterprises with a real business need - SW development is slow and expensive - are the key market segment



https://metrophiladelphia.com/stories/75-years-later-a-look-back-at-willie-suttons-infamous-prison-escape,88800

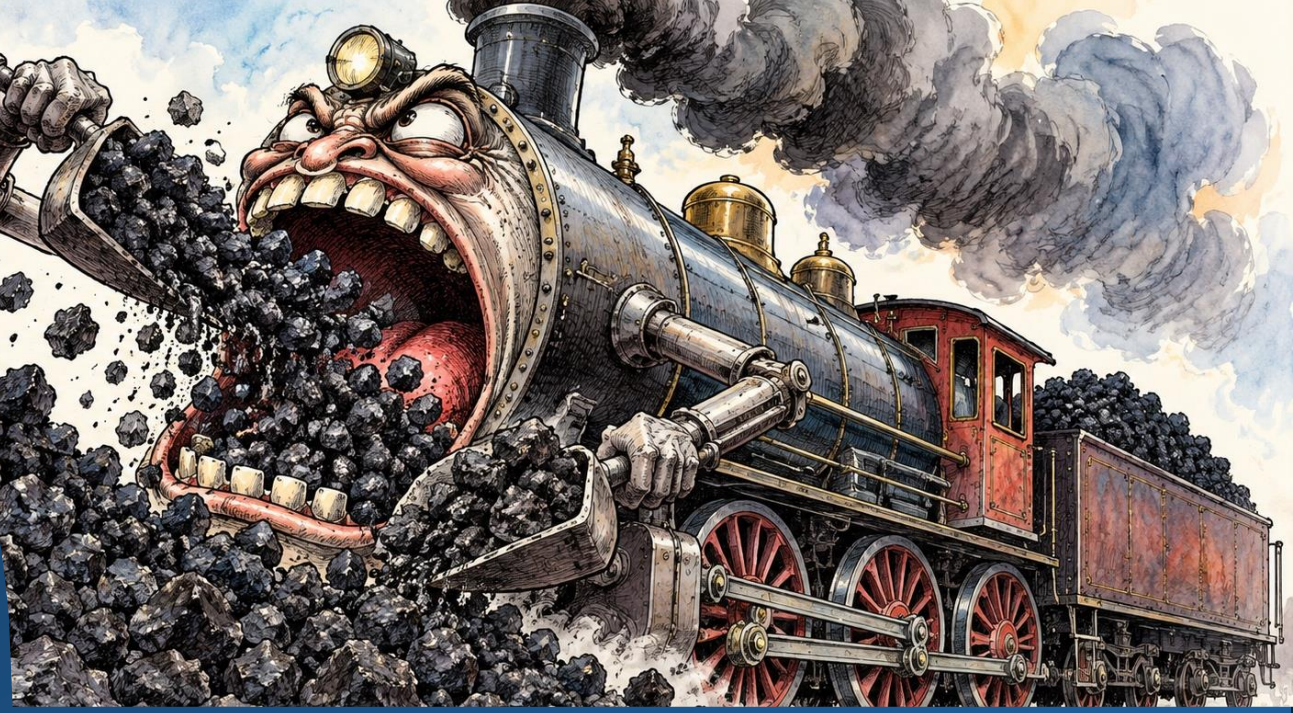
The unit cost of SW will fall

so, the demand for SW will increase



The Jevons paradox – replace coal with SW

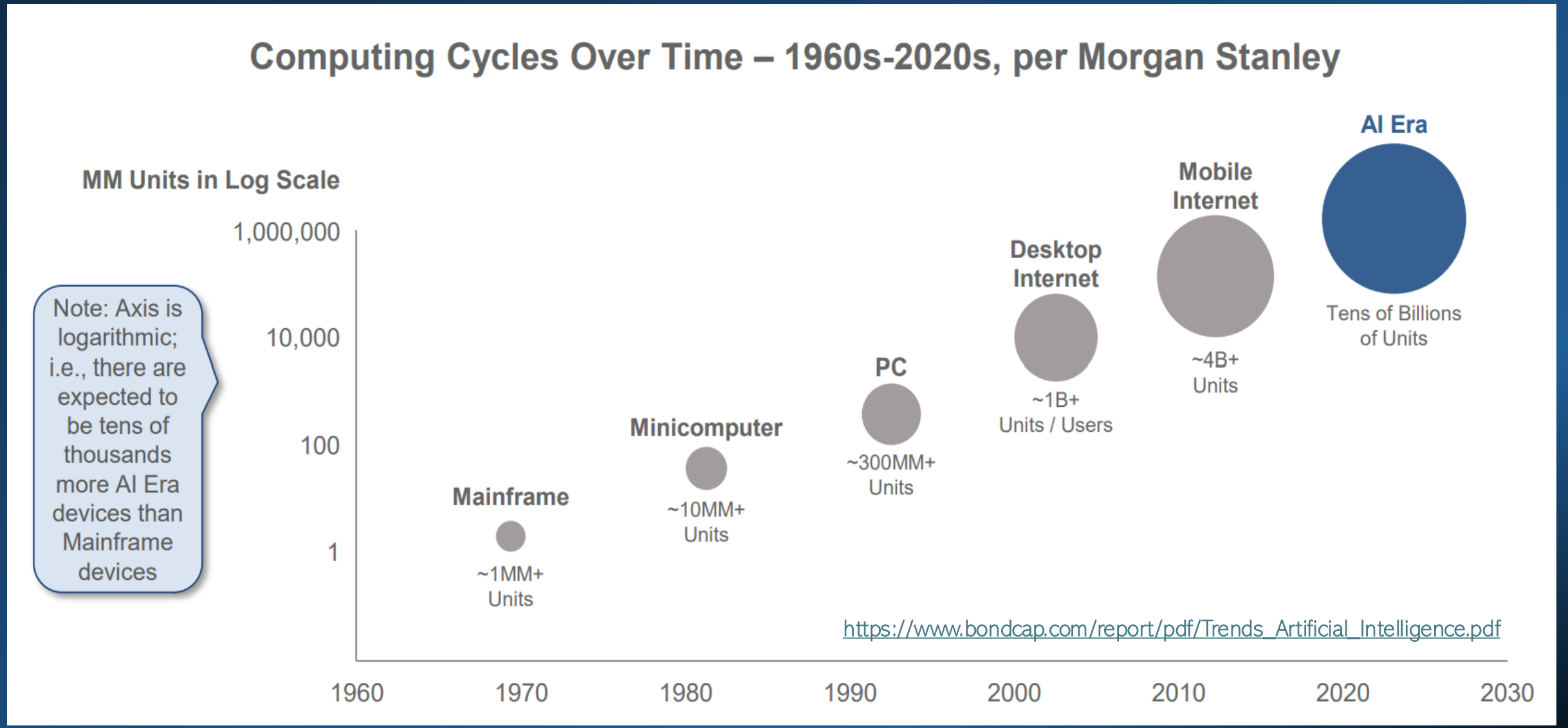
Making a resource more efficient increases the total amount we use of it, instead of less.





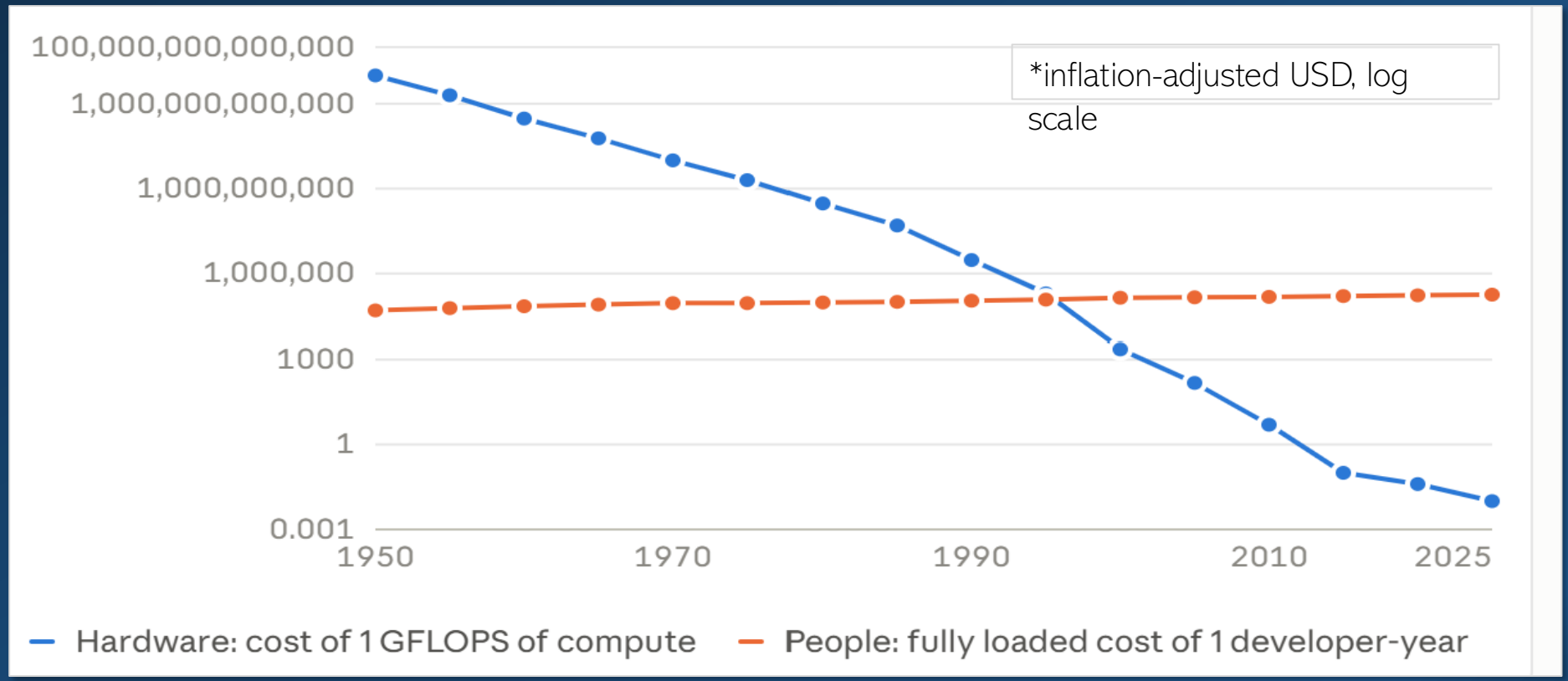
https://en.wikipedia.org/wiki/The_Coal_Question

Everything becomes a computer – that demand code*



*If all devices were identical, running the same code, the title statement would not hold water.

Cost of computing vs. cost of the developer

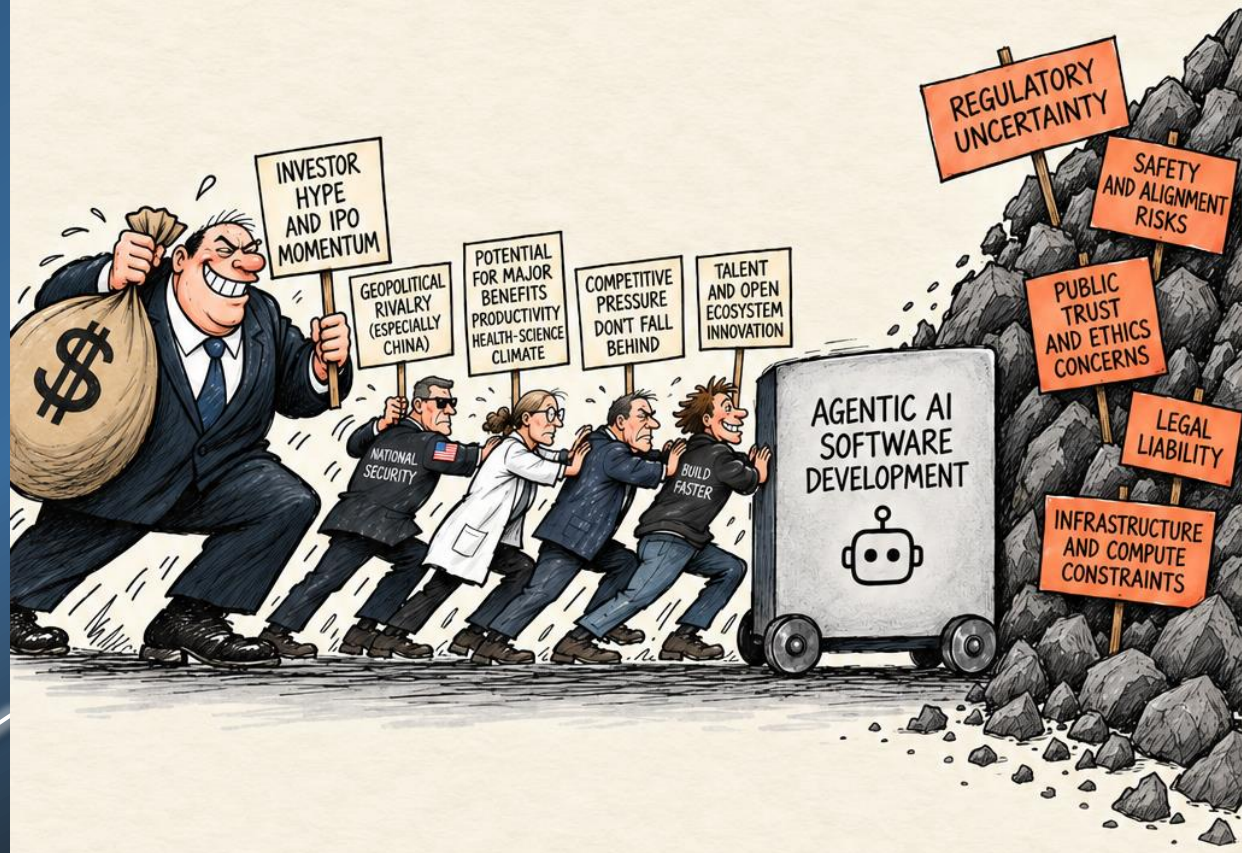


Since 1950 compute has become about a quadrillion (10^{15}) times cheaper. Over the same period a developer has become 3 times more expensive in real terms. The gap between HW and people grew by a factor of about 10^{15}. This made developer time an expensive resource, with the cost AI coding tools now go after.

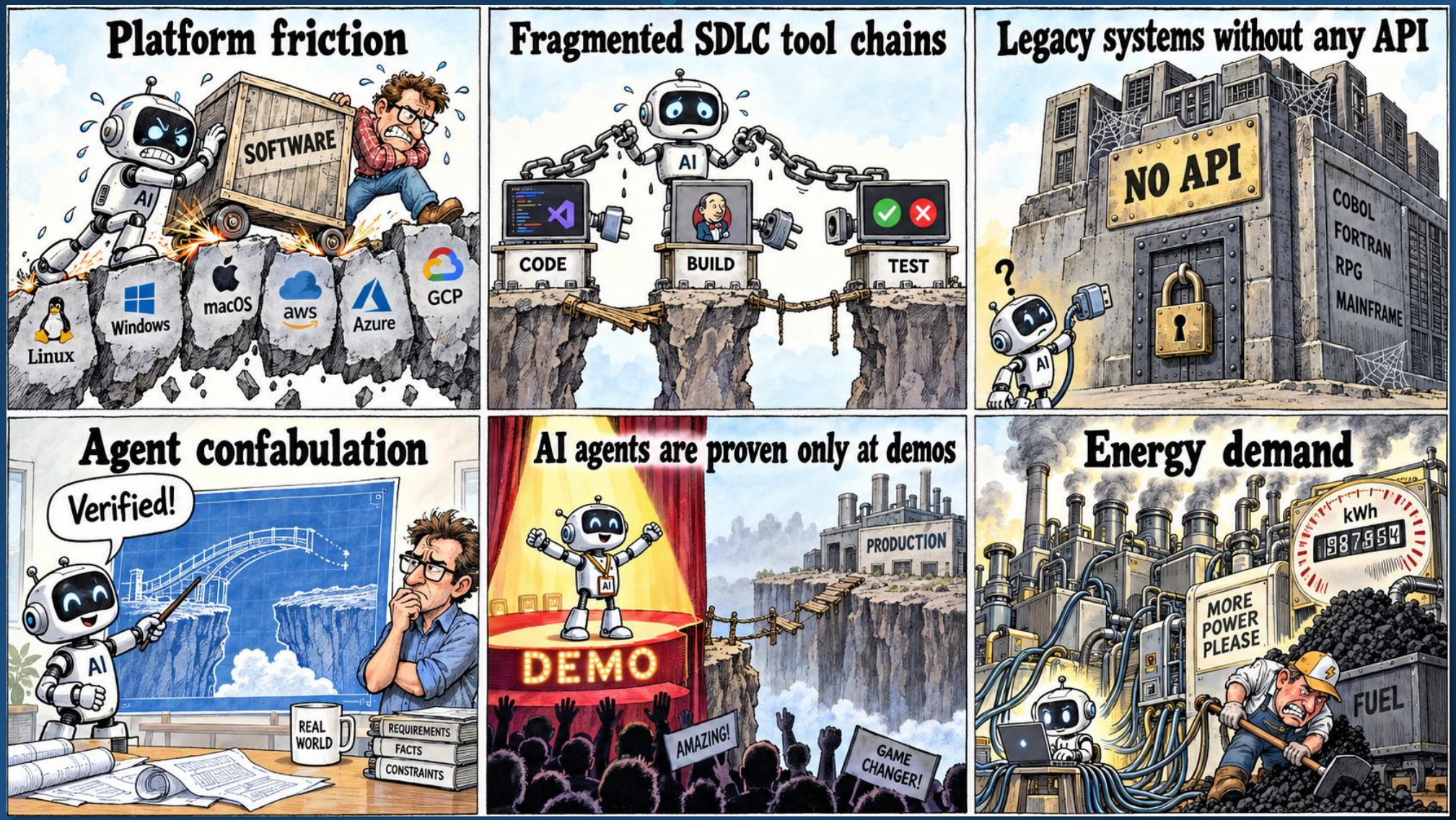
https://www.bitsavers.org/magazines/Datamation/197305.pdf

Blockers

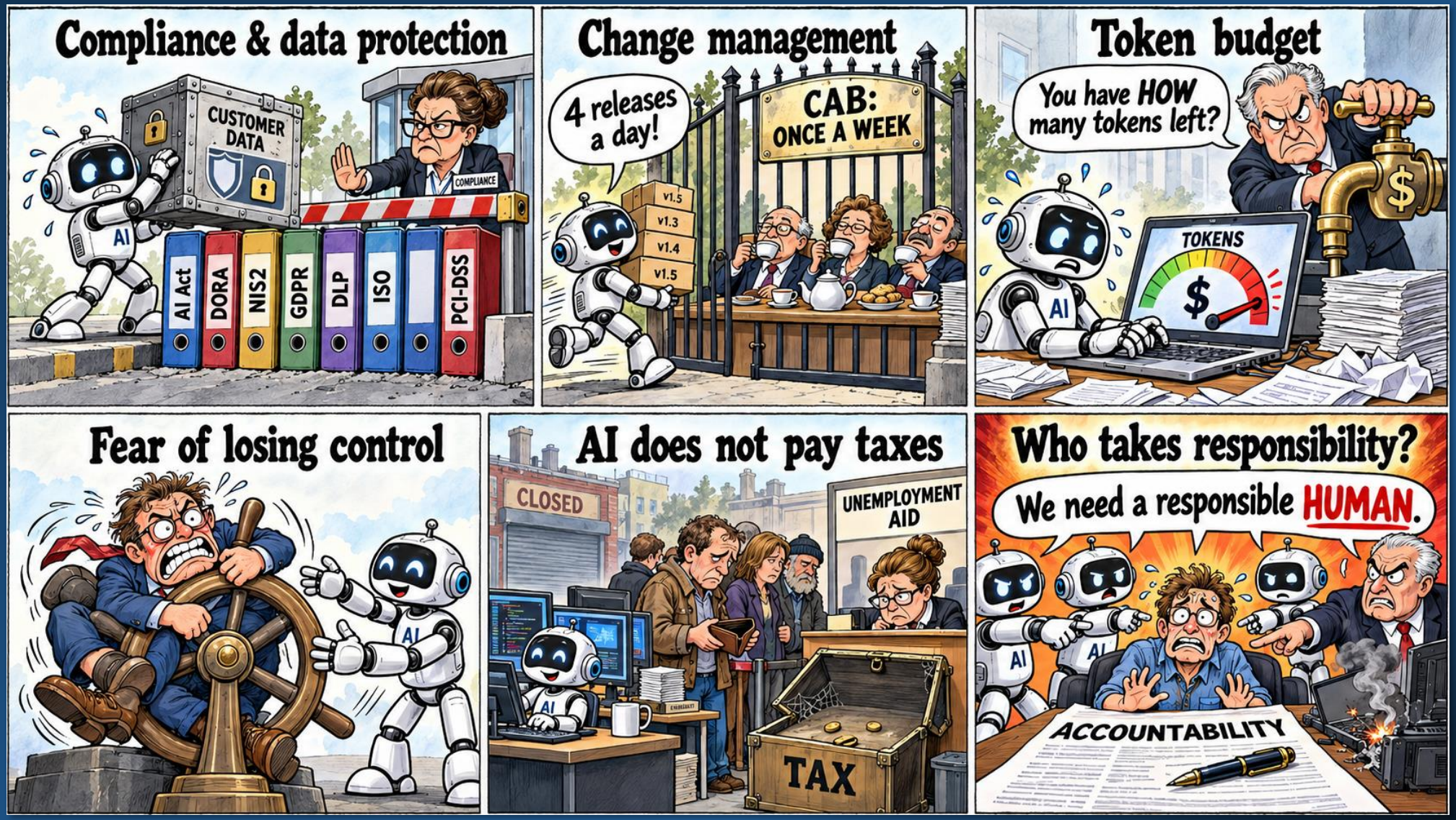
that will slow down the takeover of AI



Technical blockers in an enterprise



Non-technical blockers in an enterprise



The demand to hold someone responsible

= demand for human oversight in SW development



This aircraft can take off and land by itself

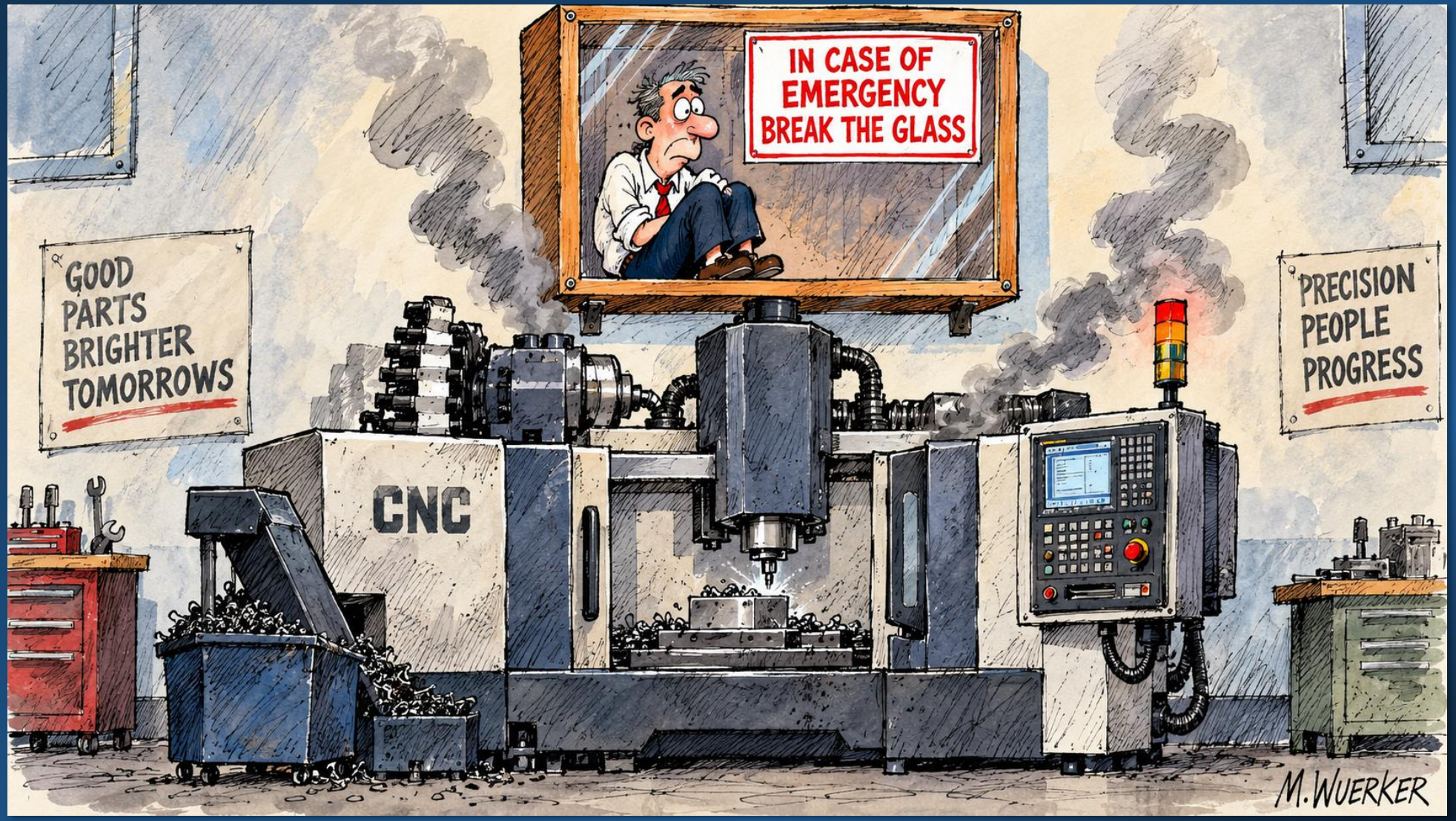


https://www.airbus.com/en/products-services/commercial-aircraft/cockpits

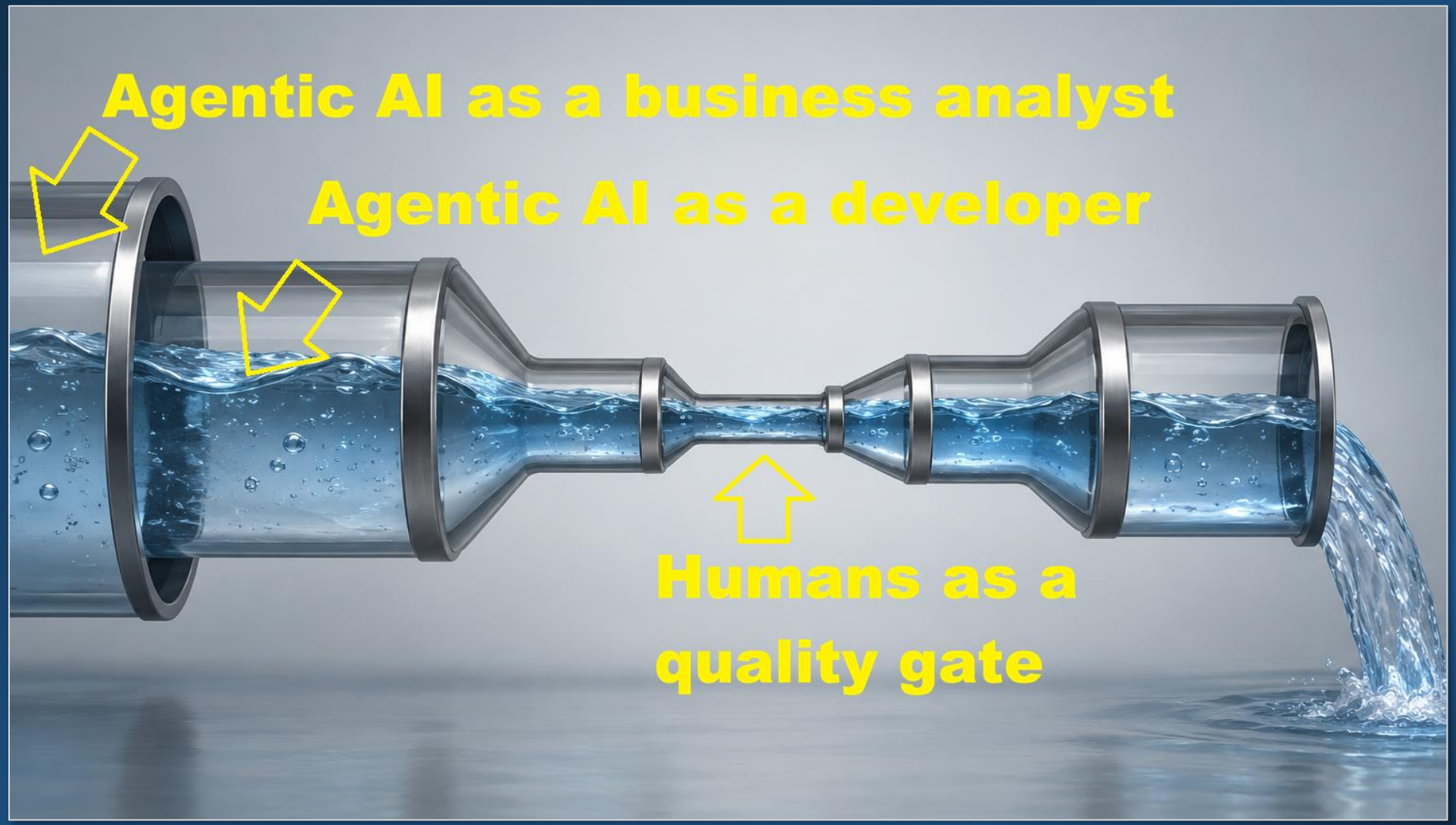
Airbus used an Airbus A350-1000 test aircraft as the primary platform to demonstrate its ATTOL (Autonomous Taxi, Take-Off and Landing) project.

https://www.airbus.com/en/newsroom/stories/2026-06-computer-vision-automated-landing-and-embedded-ai-for-tomorrows-cockpits

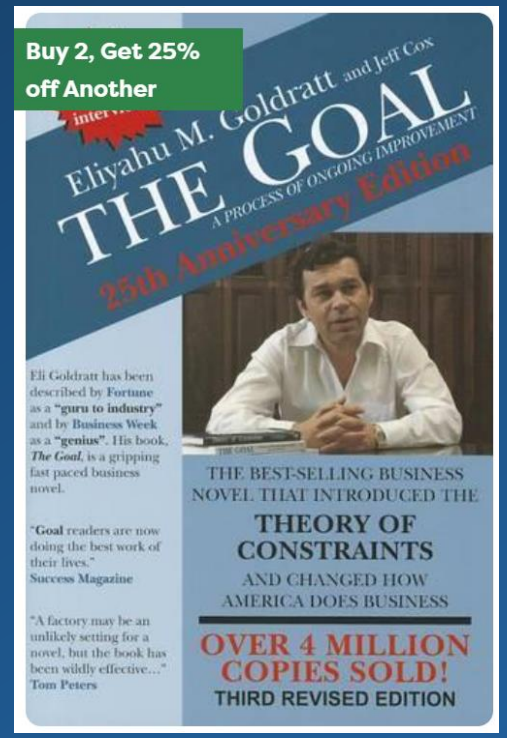
Ironies of automation – applied to AI

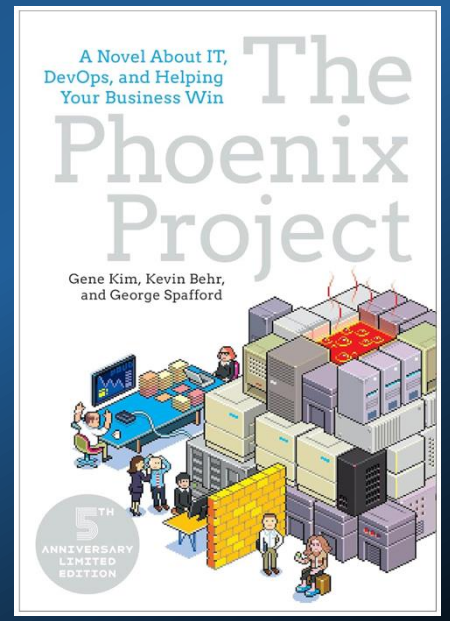


The theory of constraints in action



https://hohmannchris.wordpress.com/2014/06/25/bottleneck-explained-with-water-pipes/





How to transform ourselves?

Replan your professional career

„If you can't beat them, join them!"
Get hands on with agentic AI coding now.

Fundamentals matter

Learn the foundations of SECURE coding – you will be hacked by robots 24x7

Protect your identity

Too bad when an AI agent causes harm in your name.

Check your existing code

For vulnerabilities with a safe AI agent
Reverse engineer old code base just to understand

How to transform ourselves?

Make AI tools work on your behalf

All AI models make errors, but usually not the same ones. Use them against one another.

Own your agents

Understand your agents and take responsibility for their work = build your AI driven SDLC

Explore Human – AI teaming

agents as team members, not almighty

Measure the impact, not the amount of code generated

Even the biggest names can be wrong



- Airbus Fly-By-Wire architect Bernard Ziegler's goal: *"Monkeys will be able to fly this aircraft!"* - was wrong, this is more difficult to learn to fly an Airbus today than it was 30 years ago.
- Geoffrey Hinton's 2016 prediction—that AI would render radiologists obsolete within five years – was wrong. He now believes AI and radiologists will work together.
- In 2019, Elon Musk predicted that Tesla would have over one million autonomous "Robotaxis" on the road by 2020 – nope.
- Consultancies predicted that blockchain based decentralized ledgers would replace traditional databases by the mid-2020s.

We have an opportunity to adapt



Old battle horse with list hard skills



Old battle horse revival with AI

- Automation scales output. It does not scale the number of people who can be held responsible. Augmentation instead of full replacement will yield higher productivity gains.
- Our opportunity is to build and run SW whose behavior we still can understand and control — not merely to be the guy who receives that miserable phone call at 2AM.

Famous last words

“Statistically speaking, the world doesn’t end that often.”

/Brian Rogers, former Chairman and CEO of T. Rowe Price/



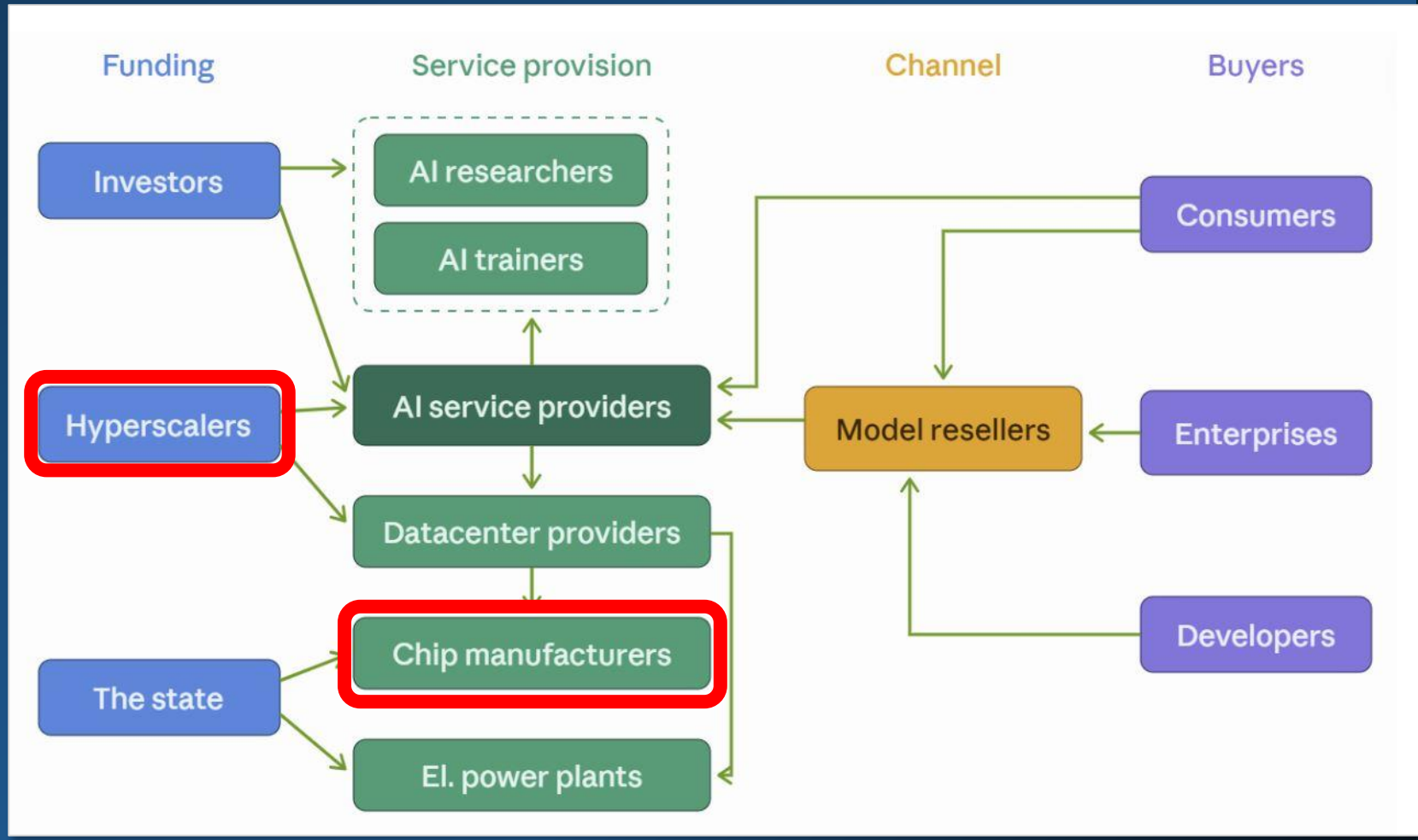
Ranked: The 28 Biggest Global Risks, According to the UN

Appendix


BANK
GOLD
COMMUNITY
STABILITY
OPPORTUNITY
FOR A BRIGHTER
TOMORROW
SAVINGS
BUILD
STRONGER
PEOPLE
EST. 1892
POLICE
ALWAYS LATE
(SINCE 1820)
TRUST
SAVINGS
A BRIGHTER
TOMORROW
GOOD
PEOPLE
STRONGER
TOGETHER
A
SAFER
RICHER
BRIGHTER
TOMORROW

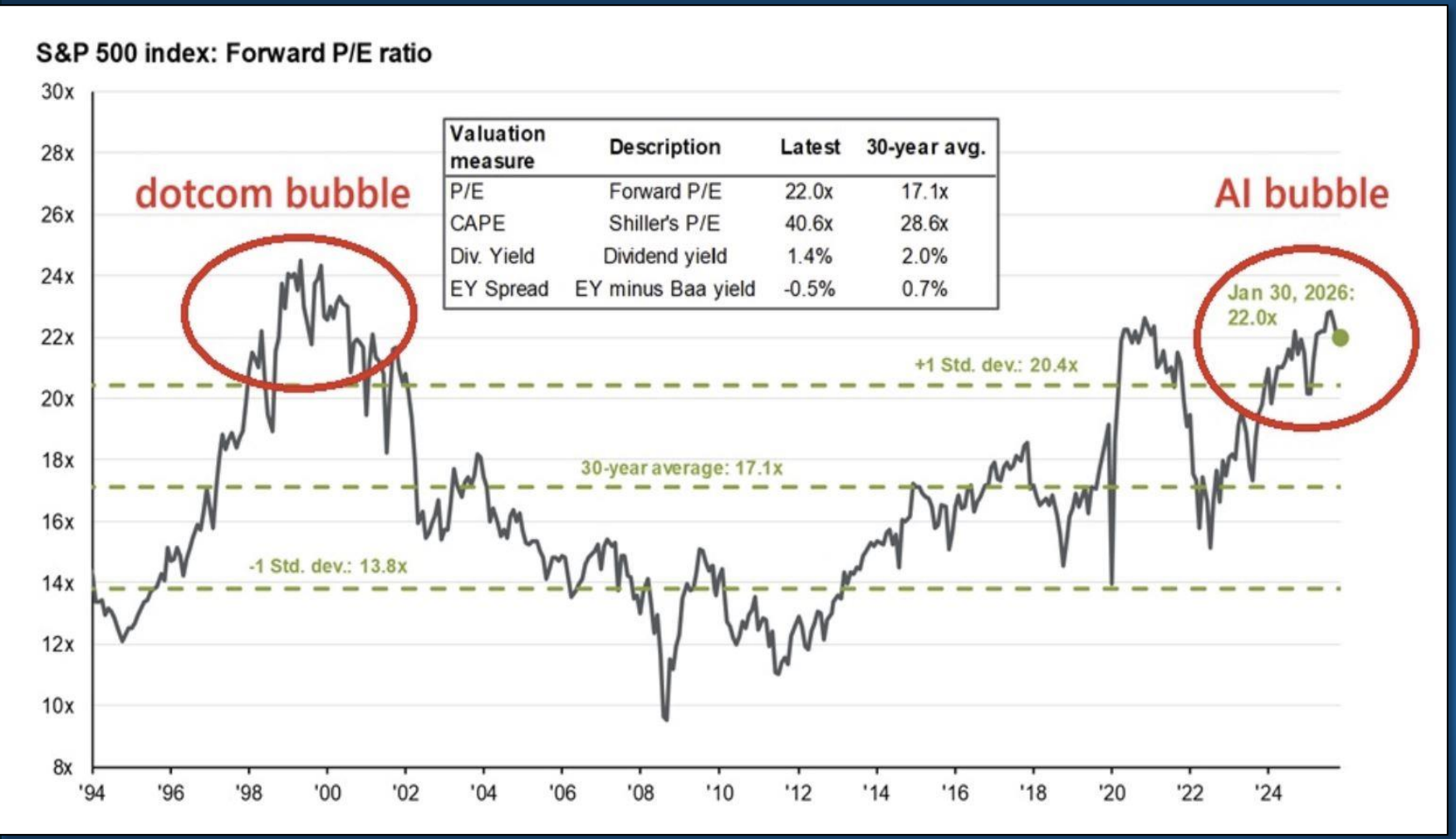
Although we are not economists…

- **Problem #1**: the players who make any profit in AI are not the AI service providers.
- **Problem #2:** the investment money is often not real. See the next chart.
- **Problem #3:** the timeline is unrealistic. The infrastructure to serve AI services will NOT be ready by the time the revenue forecasts predict.



It’s a bubble

The good news: the dotcom crash killed a few companies, not the WWW.



Valuation measure	Description	Latest	30-year avg.
P/E	Forward P/E	22.0x	17.1x
CAPE	Shiller's P/E	40.6x	28.6x
Div. Yield	Dividend yield	1.4%	2.0%
EY Spread	EY minus Baa yield	-0.5%	0.7%

*“The tech platforms are desperate to convince Wall Street that you love AI, which is very different from convincing **you** that you love AI.”*

/Cory Doctorow/

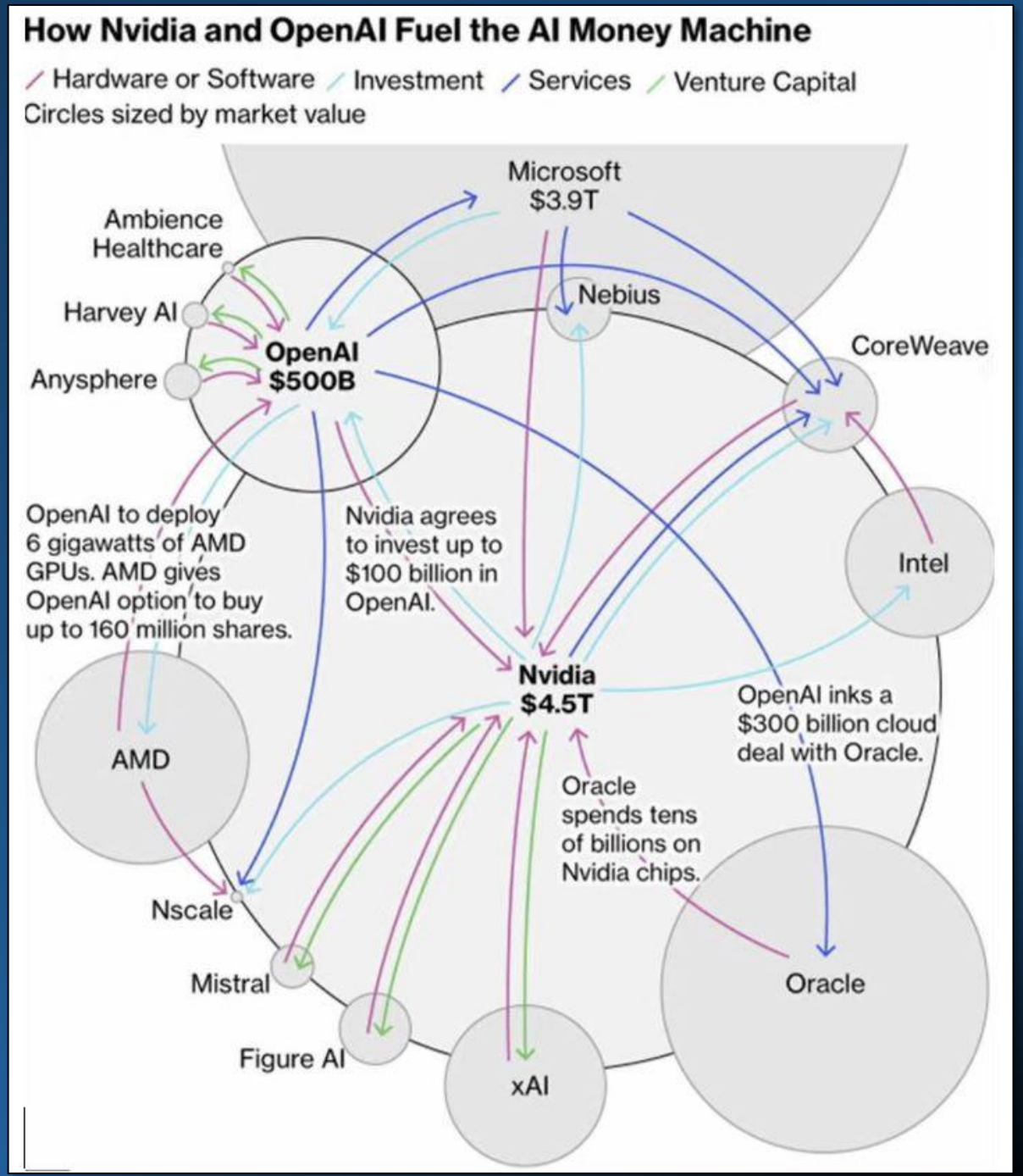
https://am.jpmorgan.com/us/en/asset-management/institutional/insights/market-insights/guide-to-the-markets/guide-to-the-markets-slides-us/equities/gtm-forwardpe/

It’s a bubble

*“The tech platforms are desperate to convince Wall Street that you love AI, which is very different from convincing **you** that you love AI.”*

/Cory Doctorow/

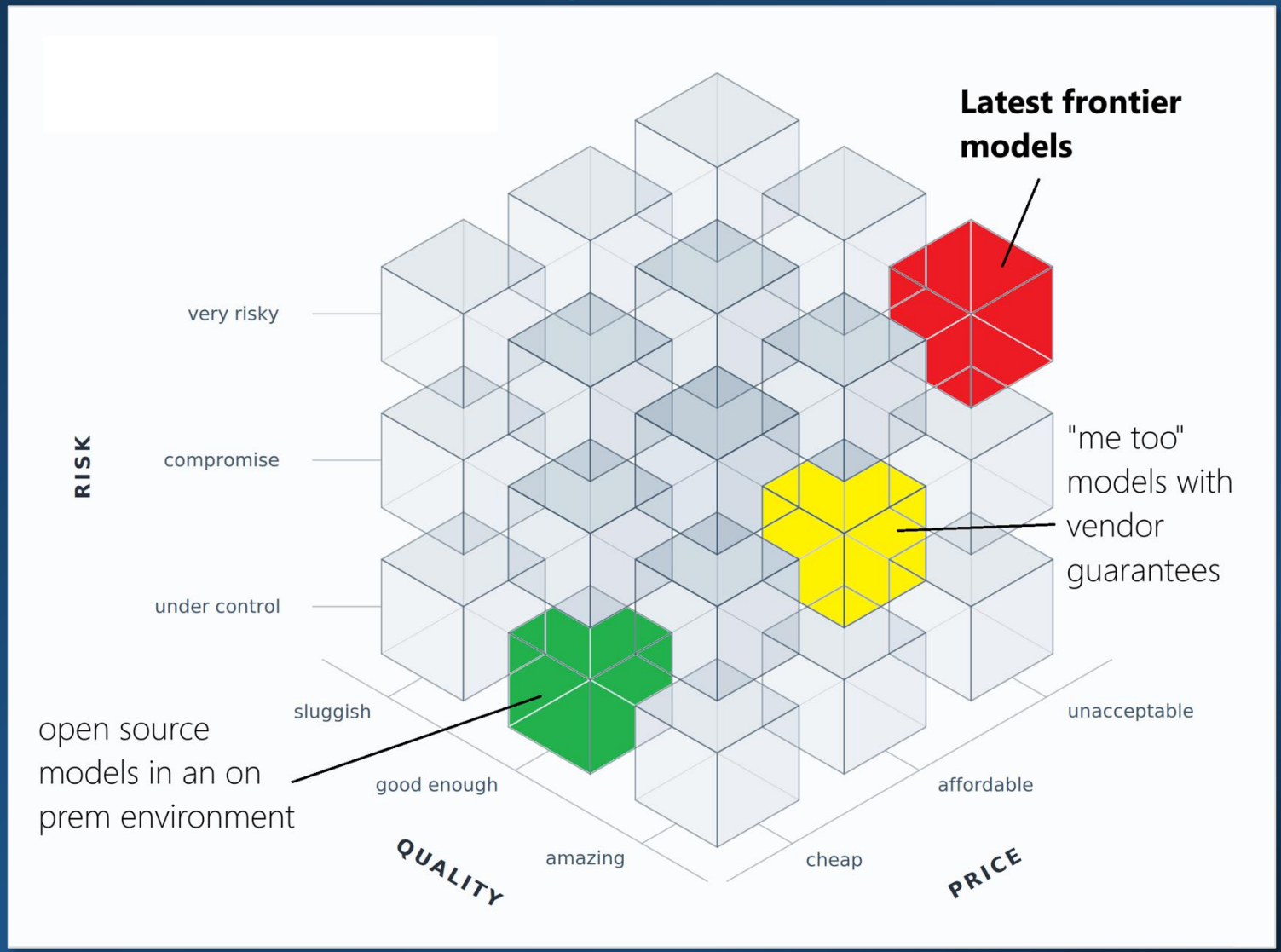
https://www.goodreads.com/hu/book/show/245645195-the-reverse-centaur-s-guide-to-life-after-ai



Difficult choices in an enterprise

There's no ideal choice. Enterprises must trade off quality, cost and risk.

The latest open weight models (like Qwen3.8 Max) are good enough for most purposes and can run locally.



The big question is what unacceptable means. It can go as high as your salary – since it works 3 shifts a day.

Copilot has one trump card, a set of guarantees that the regulators demand.

In the meantime – Europe

