

Time to Get Savvy About AI

Defining & Preparing for the Transformation Ahead

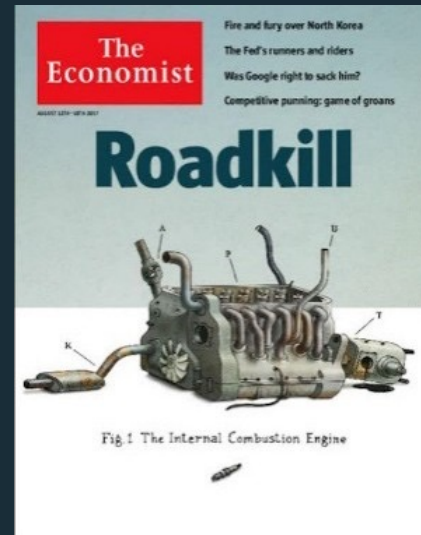


3 things to takeaway from this session...

- Dream big and be resilient
- Pursue value every time
- Focus on scalable solutions and services



Times are changing...





OpenAI



ChatGPT



DALL·E



OpenAI
Sora



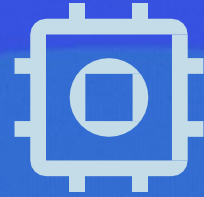
wysa

youper





Architecture



Engineering



Construction

\$17.5 TRILLION

But



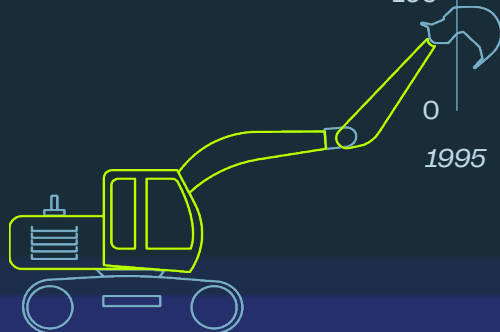
Contracting models



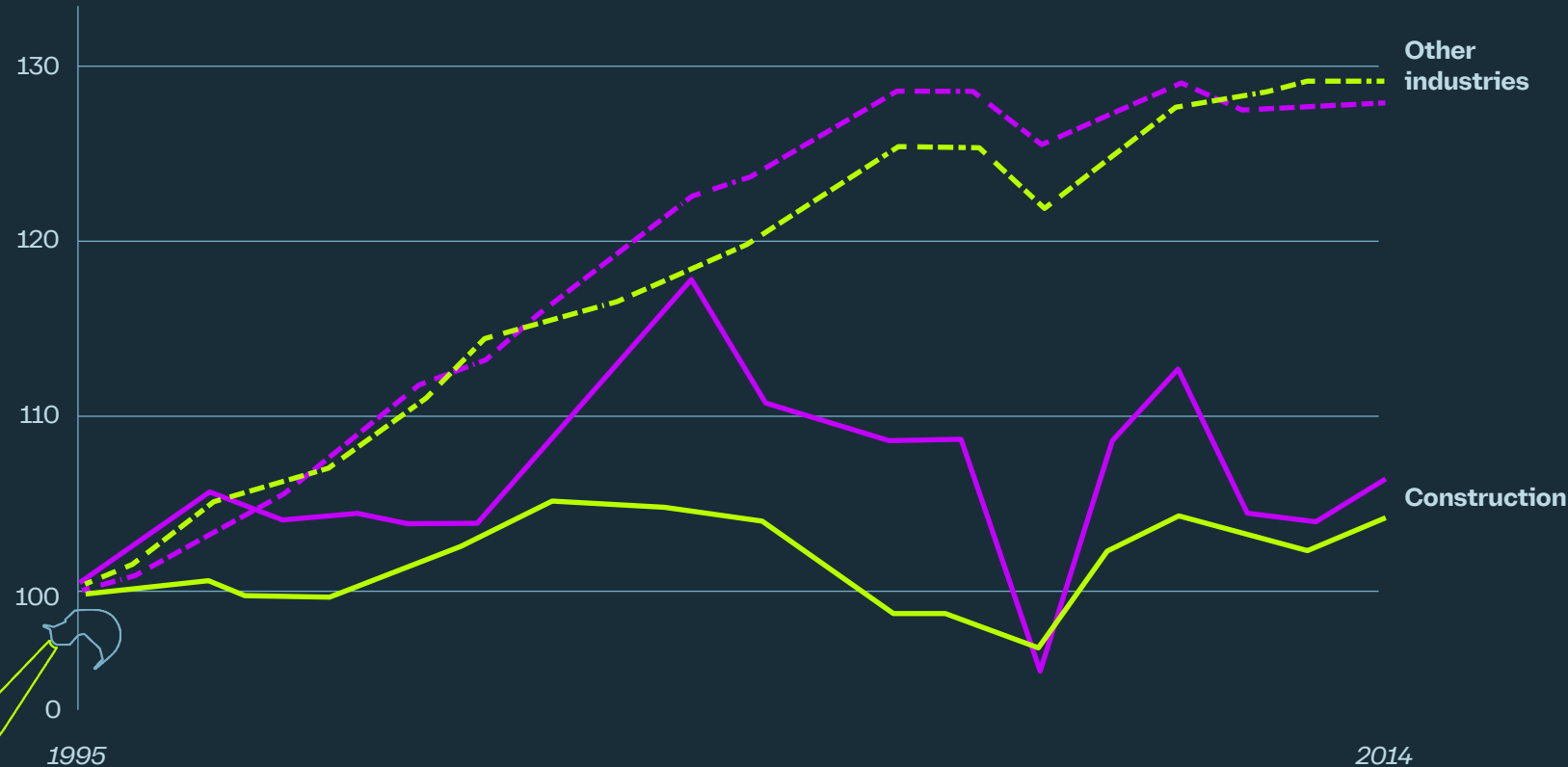
Fragmented industry



Mindsets



Labour productivity
Index 100 = 1995



McKinsey 2016 report



Exhibit 3 - The construction industry is among the least digitized

McKinsey Global Institute
industry digitization index;
2016

Relatively low digitization  Relatively high digitization

- Digital leaders within relatively undigitized sectors

[illegible]

*- Based on a set of metrics to assess digitization of assets (8 metrics), usage (11 metrics), and labor (8 metrics). ** Information and communications technology.



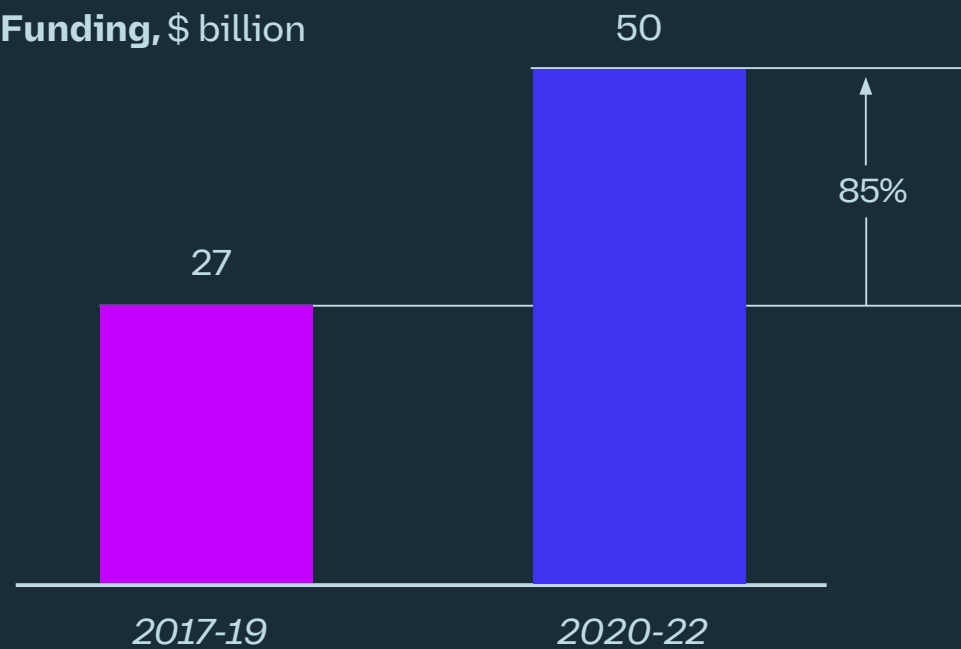
McKinsey Quarterly

Here comes the 21st century's first big investment wave. Is your capital strategy ready?

March 18, 2022 | Article

Global investment in architecture, engineering and construction tech grew to \$50 billion between 2020 and 2022

Global deals in AEC tech





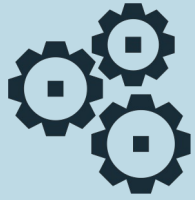
?



So how do we get
from here to here?



How AI will revolutionize the way we deliver



Generate



Automate



Optimize



Low and slow



VS

Fast and frivolous



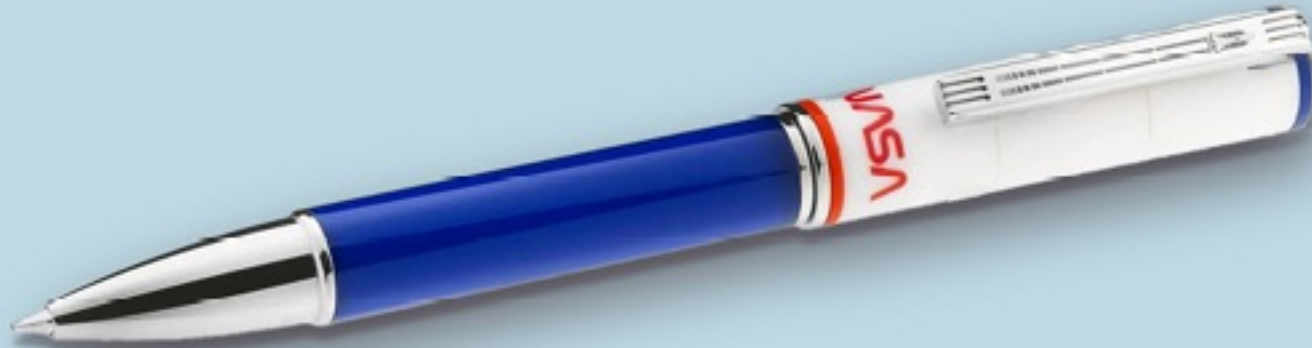
How to apply outcome to your business?

You can spend a lot of money on tech
but is it going to solve your problem?

USA APPROACH,

Fisher Pen: "Can write in
space, upside down,
underwater"

**Cost \$1M in 1969
(\$13.8M today)**



How to apply outcome to your business?
You can spend a lot of money on tech
but is it going to solve your problem?



USSR APPROACH,

Pencil: "Can write in space, upside
down, underwater"

Cost in 1969 \$0.00000004M
(\$0.55 cent in today's money)

Gartner predicts that **by 2025, growth in 90% of enterprise deployments of generative AI** will slow as costs exceed value, resulting in accelerated adoption of smaller custom models.

By 2028, more than 50% of enterprises that have built their own large models from scratch will abandon their efforts due to costs, complexity, and technical debt in their deployments.

AI will impact our industry in many ways



Commodity Workloads



**Turning AI disruption into
Shareholder Value**



Focus AI on Value



Workload Exits

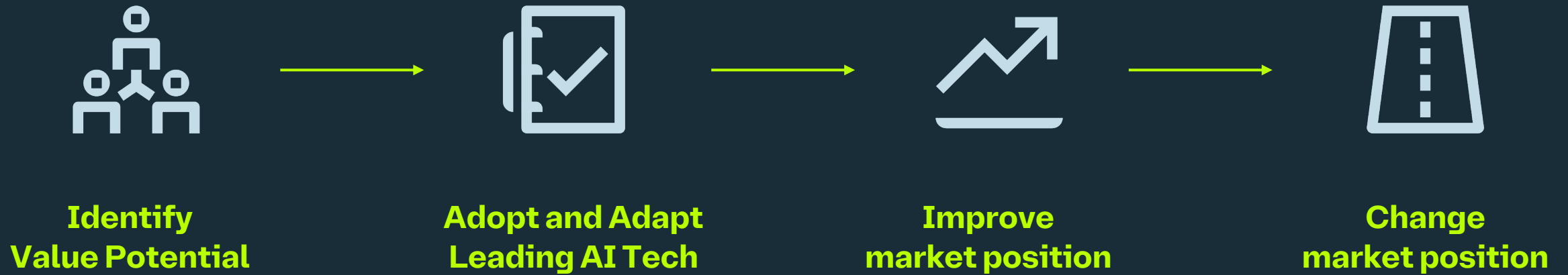


Commercial strategy



Governance

How do we use AI to generate value?



Assessing Hurricane Damage with Machine Learning



Evaluated **structures**
146,039



Recommended for
inspection **structures**
30,640



Saved approximately
\$10 million



FEMA

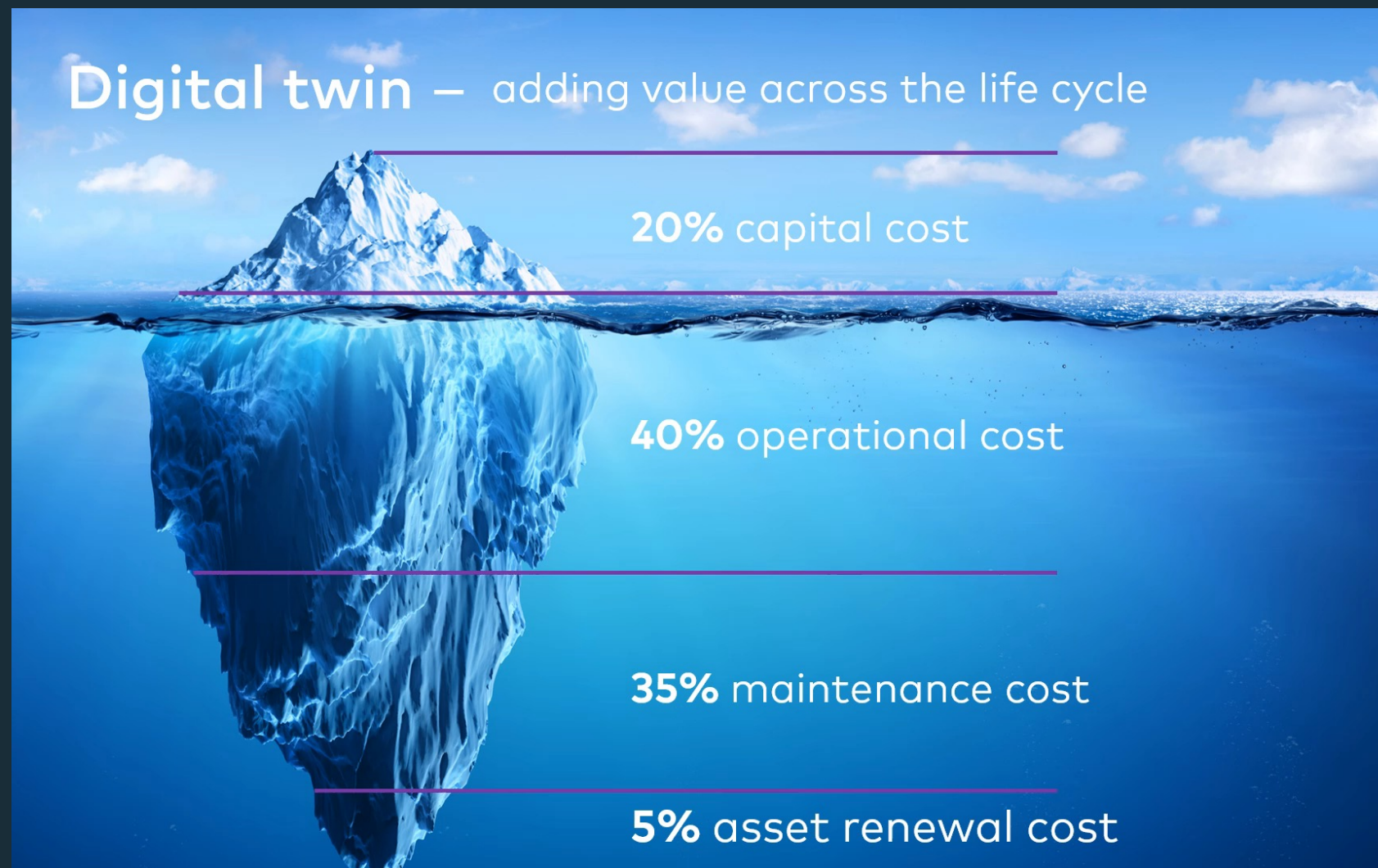


Why System approach is the answer?



Gain share – joint value creation

Leading global energy company wanting to improve productivity and sustainability of existing carbon assets in a significant region.



3 things to remember for us all...

- Dream big and resilient
- Pursue value every time
- Focus on scalable solutions and services



Do you currently have
AI projects underway?

Do you have a bankable plan
to translate AI technology
to value in your
organization?

Thank you