

Foul Play

(Slime and Punishment)

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Intro: Who am I



Increasing Risk



1974 – Deck Hand



1998 – Set up Safinah after a career in shipping, ship building and academia.



2025 – Coming to the end - a role as a catalyst for the future?



2026 – A very high-risk future

www.safinah.com/beyond-the-pail

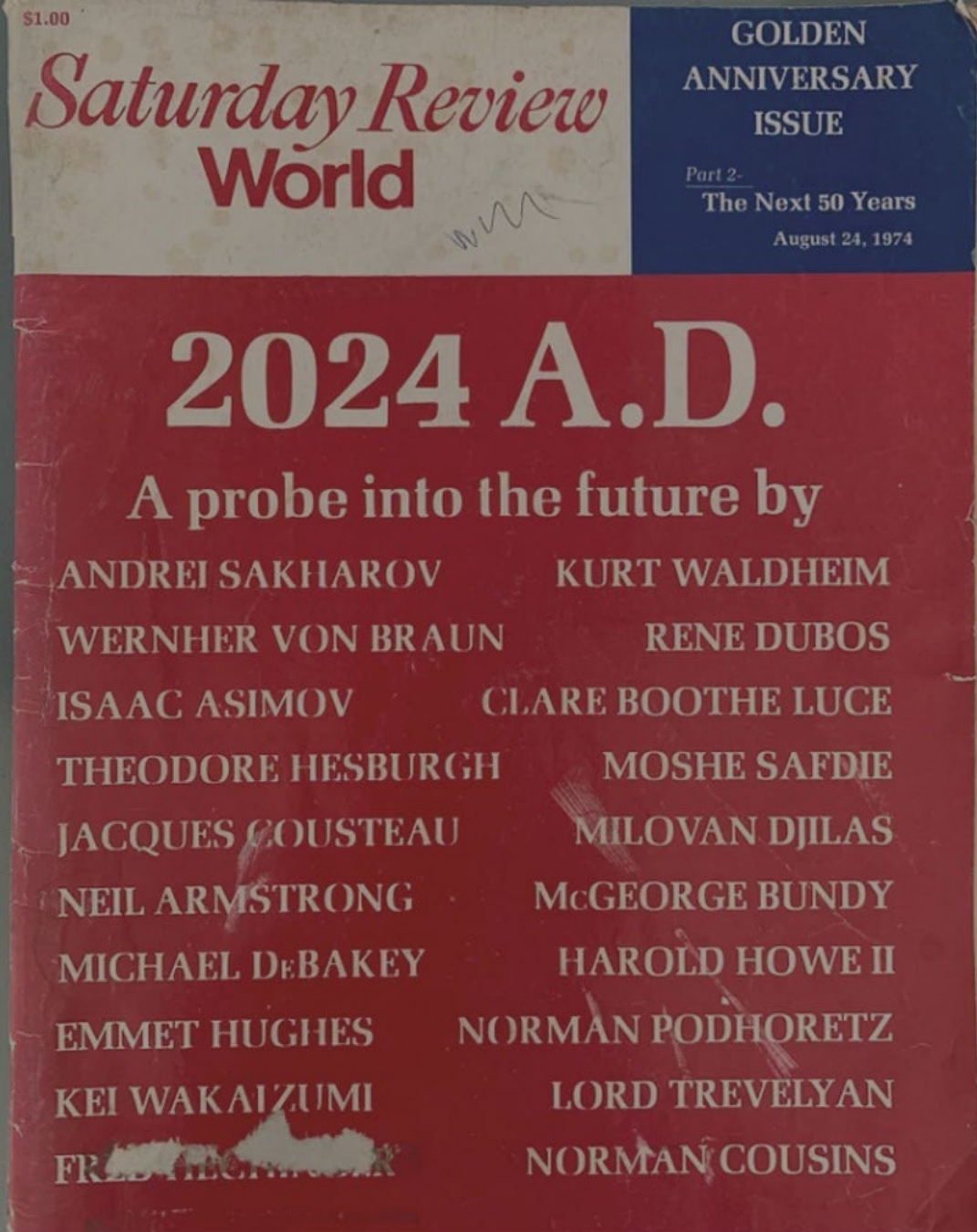
How the world has changed!



Cellphone 2024



Cellphone 1974



Looking forward. Has it really changed?

Some general predictions from this... to validate

- Population movement
- Rise of nationalism
- Energy required to grow food will increase
- Alternative energy
- Decline in morality (governmental and personal)
- The smart phone and internet
- Underemployment 12% (6%) inflation 3% (5.9% Covid?)
- Question better living by owning more

Some Relevant predictions...Against the background of the UN conference on the Environment of 1972 – in Stockholm.

- 1974 Environmental damage tops list of survey in Japan. Aus. Green ban on construction
- Oceans are assessed as very sick
- Global interdependence (culture and trade)
- Pessimism about the technology driven future – humans molded by technology
- Rich countries worry about environment
- Poor countries worry about industrialization ahead of environment.
- Complete absence of dangerous and harmful emissions.
- Big data for analysis of complex problems

It seems we have fought battles but the war rages on many more fronts!!

The future is AI driven? – the Gorilla Problem



Gary Kasparov: Man Vs Machine 1997 and the advent of AI?

“The best solution is a good human plus a machine”



Geoffrey Hinton: “become a plumber”

Lee See Dol – 2016

“If you want to see the human impact of AI”



Humanity is approaching an unrecognizable future. In just a few years - see what is happening in the medical sphere.

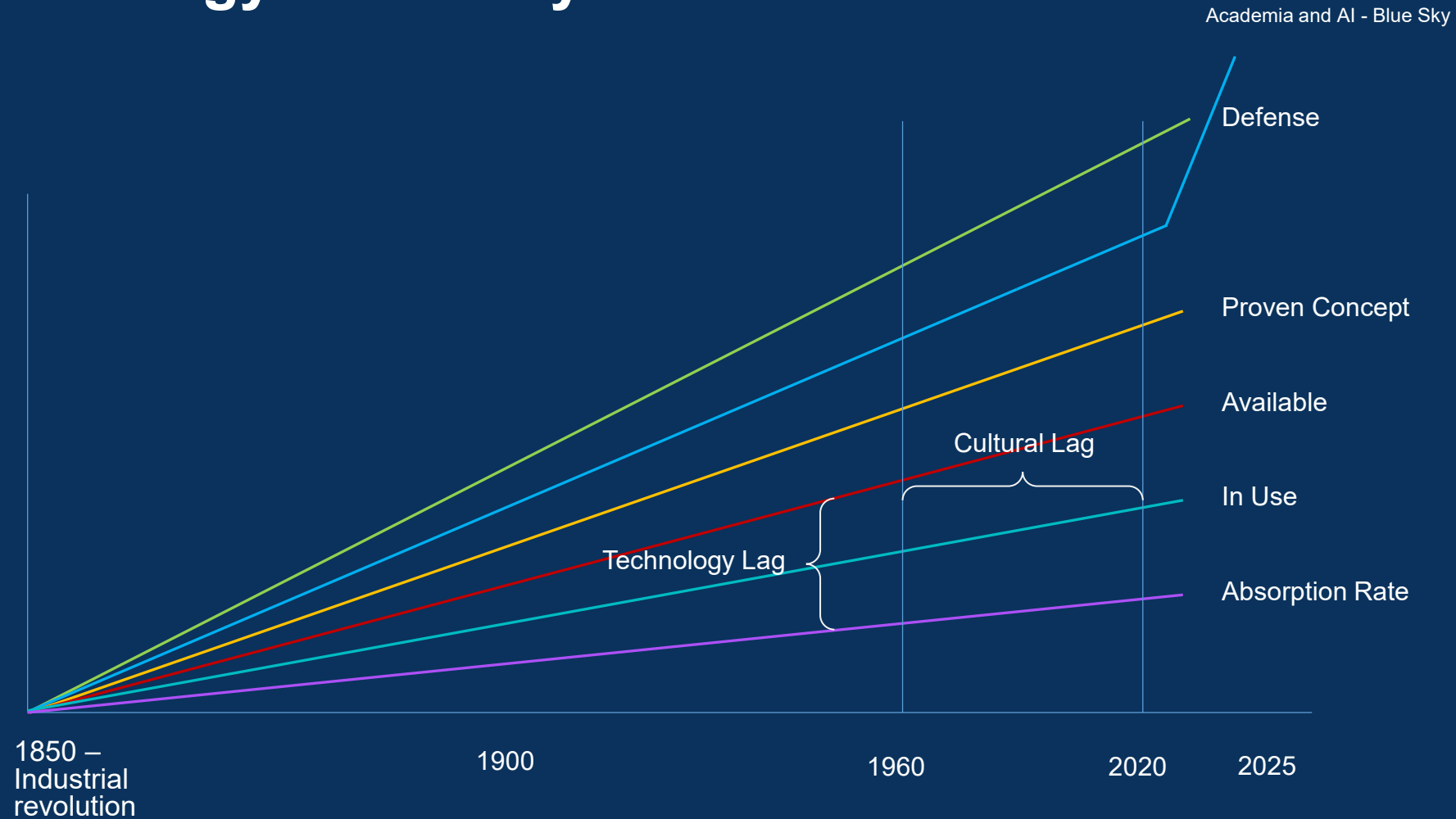
AI will be better than the average human being...

AI has repeatedly outrun predictions(2021) – 2025 Gold award in math is 18yrs ahead of predictions

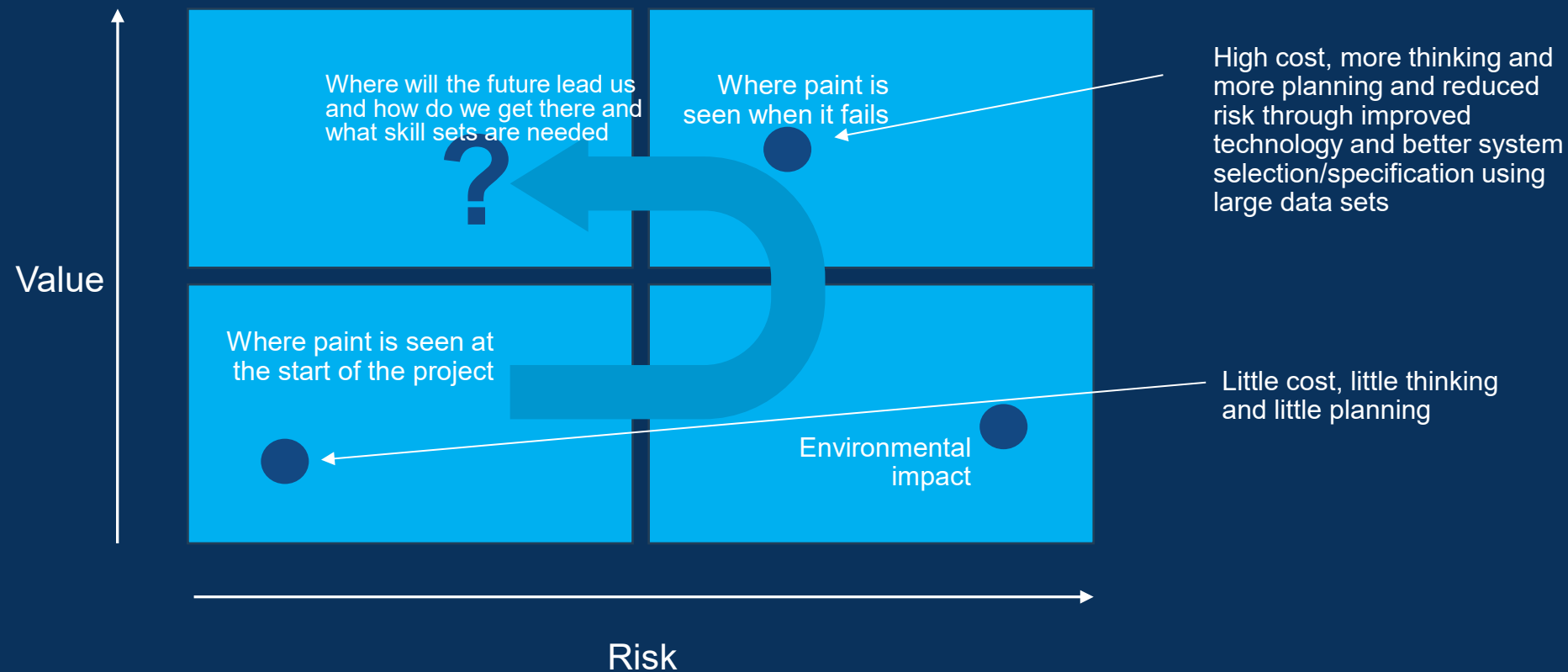
Cost of using a computer vs employing a human?...The Economist August 2025



Technology – maturity and awareness

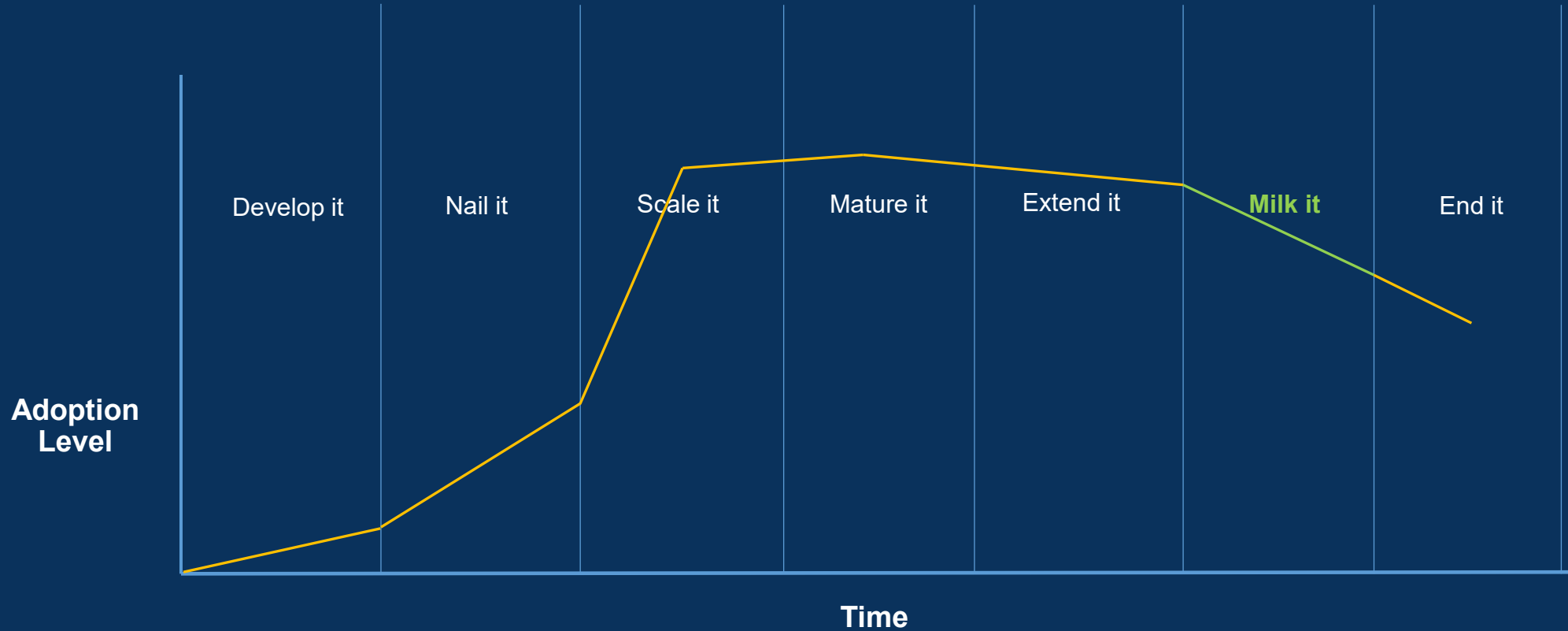


Perceived Value and Risk





Technology – maturity and awareness



In search of the paint-free ship and other marine structures!

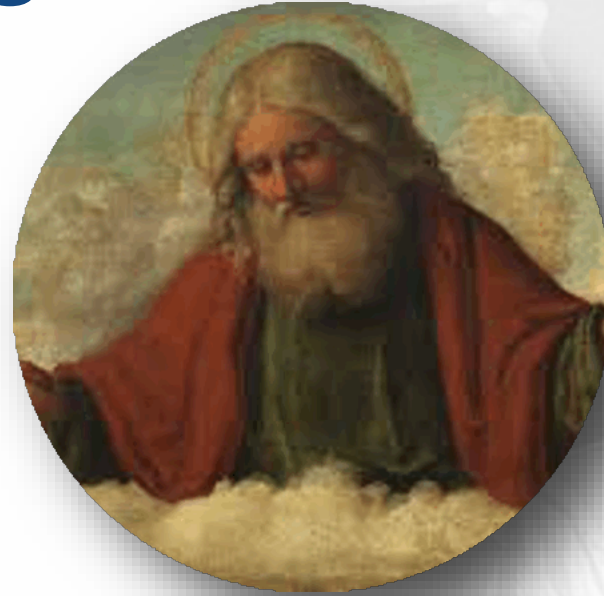
The challenges that faces the next generation



Objectivity vs Subjectivity

An observation:

If I tell people – there is an invisible man in the sky who created the universe, a large number will believe me.



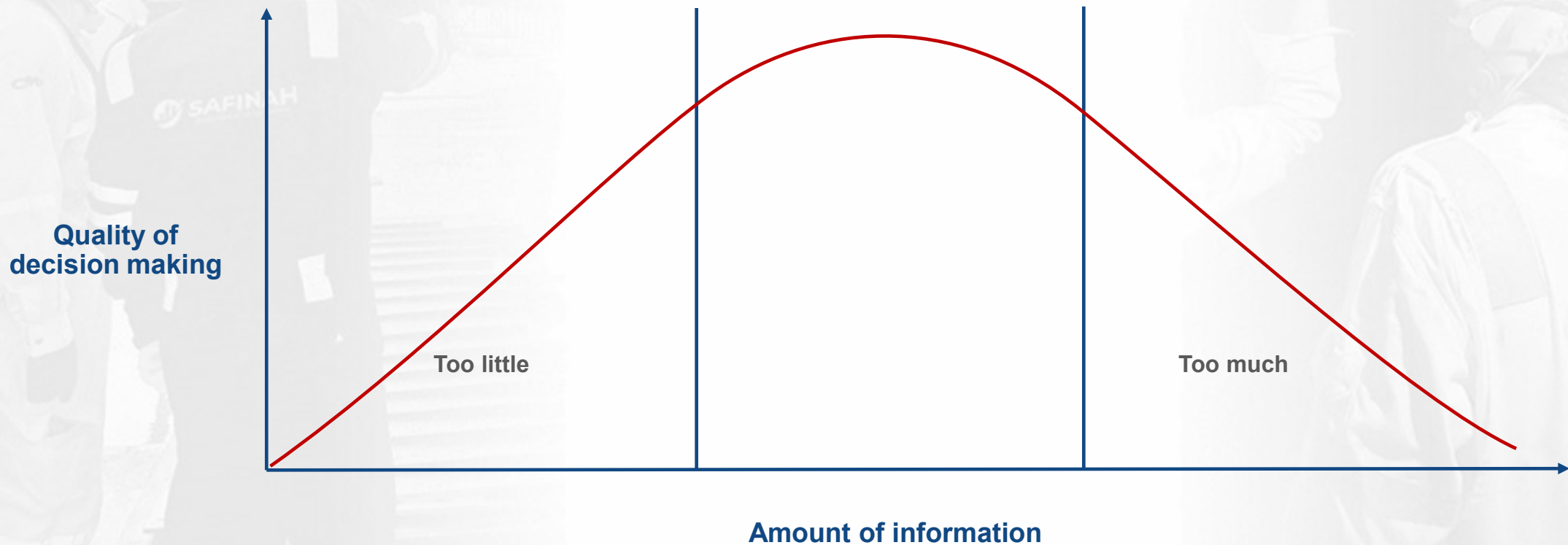
If I tell them – the paint is wet, most people will want to check!

AI, AGI (General), ASI (Specific).



- AI - Not impressed by current AI answers to the questions:
 - How do I stop my ships hull from fouling?
 - What future technologies could do this?
- AGI - Will enable a holistic approach but needs validated data:
- ASI - Need new ways of thinking and challenging these intractable problems and offer novel solutions to develop, assess all aspects of coatings.
- Are we able to rise to the challenge?
- History says that we have made some poor choices in the past because we have been subjective not objective and **we have been Atomistic and not Holistic**. For example, are invasive species being driven by ships or climate change resulting in warmer waters?
- I do not have the answer, but I believe the rate of technological development will be accelerating and leading us to new (possibly unimaginable) solutions within the next 10 years.

How useful is information?



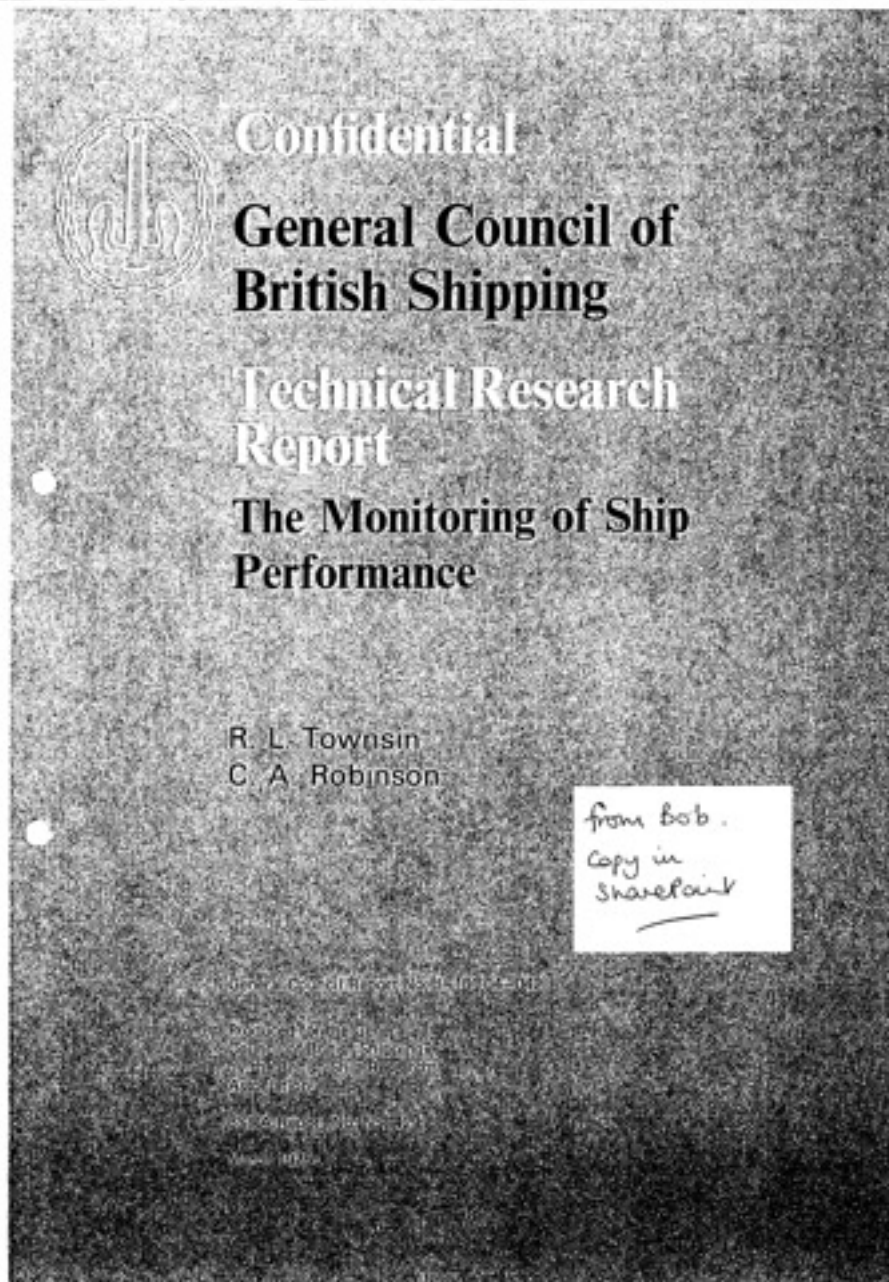
The next few days matter



As we listen to the people who are now at the front line and the challenges they face:

We need to better understand the challenges we face and why they have not really changed over the last 50 years. The War goes on! We are seeing a changing of the guard, and the skill mix needed to prevail with new technology tools as our weapons.

Topics presented here will I think be an excellent start for this next phase of the war.



1975

It is not all doom and gloom

- **Remember:**

- Good judgment comes from experience and experience is the result of bad judgement.
- The issue is to learn from the past – to do that -need to understand how we got here and what mistakes we should learn from.
- Ask ourselves how well do we really follow up projects to understand what went well and and what did not and what feedback loop exists..I am not sure we are doing enough on this simple parameter.

The role of a catalyst



A chemistry joke..

I am sure I am leaving the industry in very capable hands (and microchips), and I look forward to listening to the various speakers over the next few days:

Thank you.



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