

Welcome Address

Dave Philp

FCIOB FCInstCES FICE FRICS

Chief Value Officer – Cohesive
CIOB – Chair Innovation Advisory Panel

9th October 2024

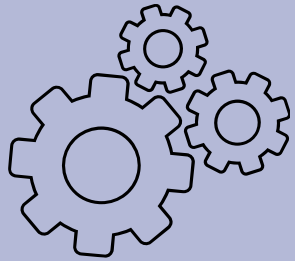


Cohesive

The case for Artificial Intelligence in the Built Environment

The challenges of **Climate Mitigation & Adaption, Safety & Integrity Use Cases, Asset Resilience & Performance over many decades, Responsible Resource Consumption, Rigorous Standards and Regulation.**





Industry 1.0

Mechanization, steam power, weaving loom

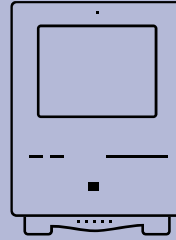
1784



Industry 2.0

Mass Production, assembly line, electrical energy

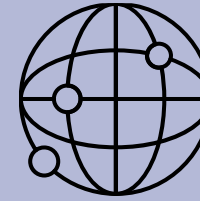
1870



Industry 3.0

Automation, computers and electronics

1969

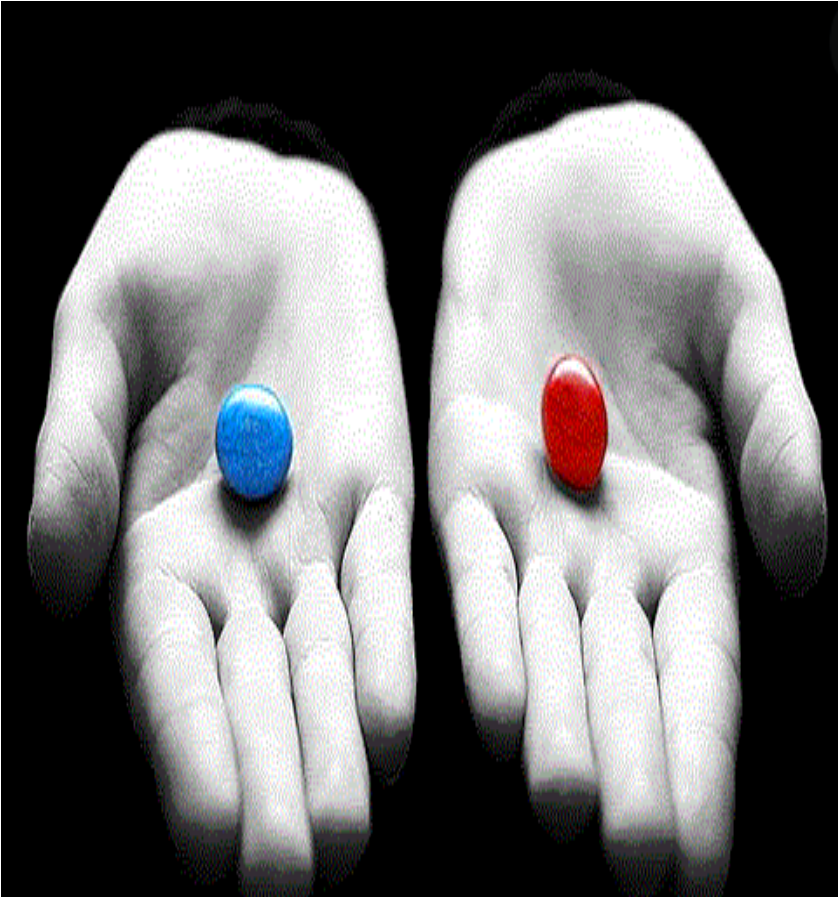


Industry 4.0

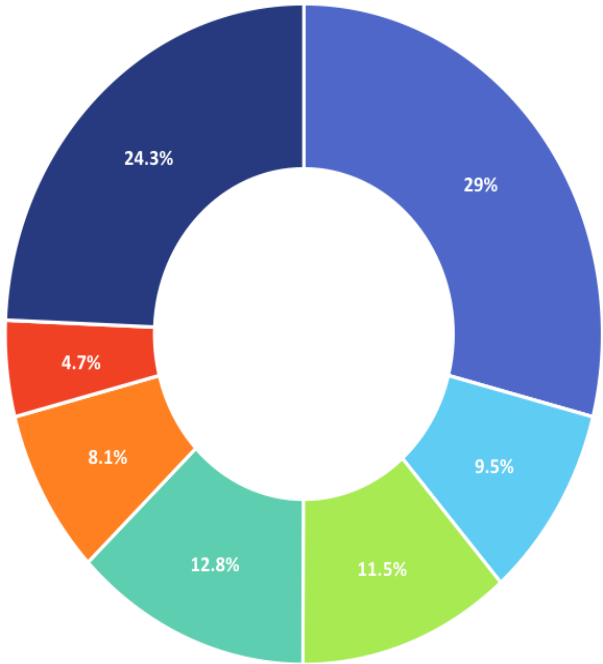
Cyber physical systems, internet of things (IoT), networks, AI

Today

AI – Blue or Red Pill?



WHICH OF THE FOLLOWING REFLECTS YOUR THOUGHTS ABOUT AI'S ROLE IN CONSTRUCTION?



- AI could improve productivity
- AI could improve safety
- I'm concerned about the ethics of AI
- I'm worried that AI implementation will lead to the loss of jobs
- I'm concerned about how AI will impact contracts and contract law
- I'm on the fence
- AI doesn't worry me: let's embrace it

BIMplus 01.09.23



CIOB
Artificial
Intelligence (AI)
Playbook 2024

Societal
outcomes



Outcomes &
Impact

Policy



Systems of
Systems

Chart 1: Productivity Growth – Output per worker (1997=100)

