CELTIC-NEXT
Pitch of
the Project Proposal

17th of March 2023, Paris

Internet of Digital Twin Things (IoDT²)
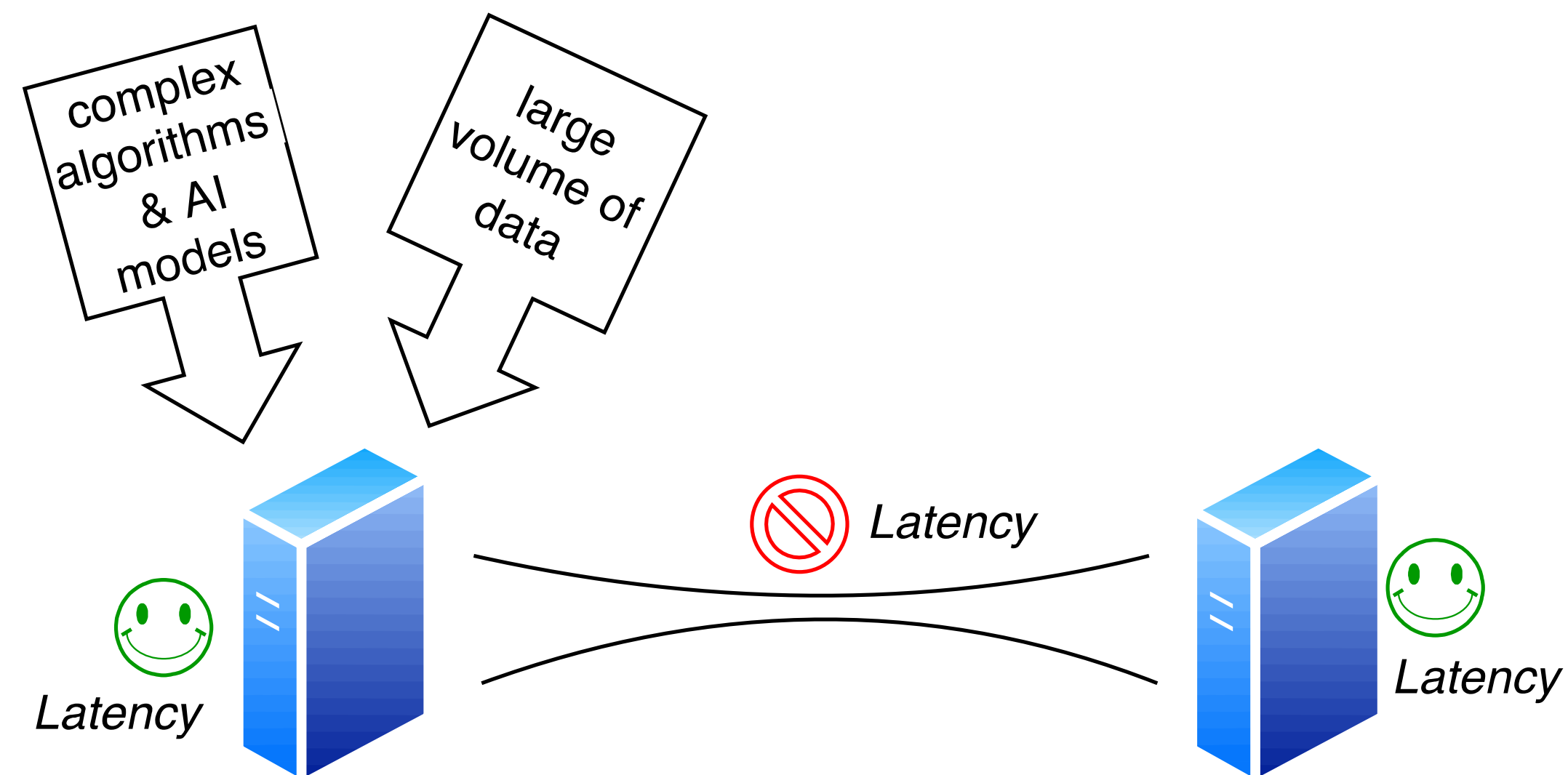
Loughborough University

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Teaser

A digital representation at the appropriate fidelity of a physical asset and its behaviours, that is **synchronised** with its physical counterpart and interrogated to deliver value.
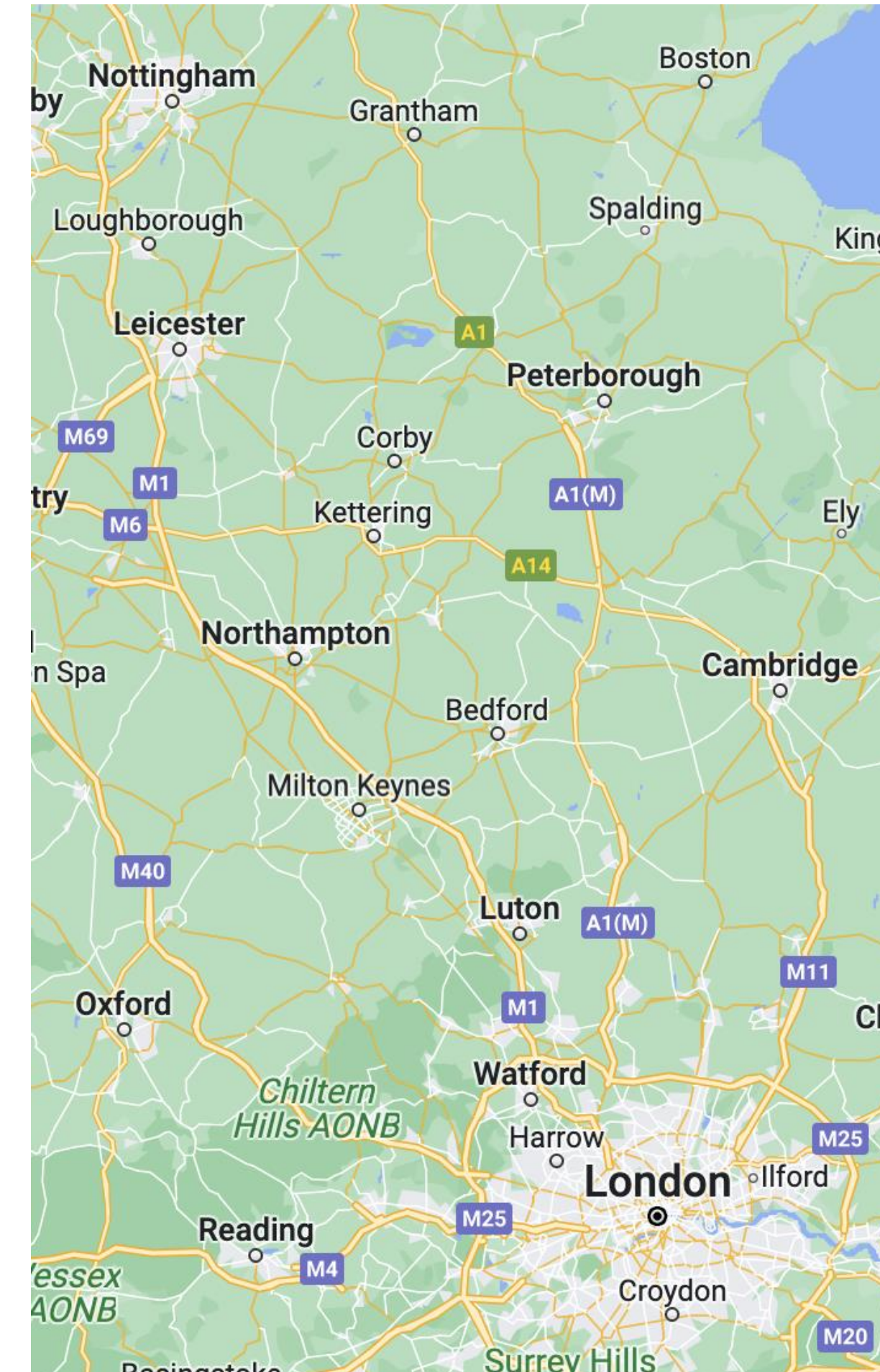
Digital Twin White Paper
https://www.ide.uk/post/digital-twin-initiative-white-paper

Is today's communication network ready for digital twin?

complex algorithms & AI models

large volume of data

Latency

Latency

Latency

eureka
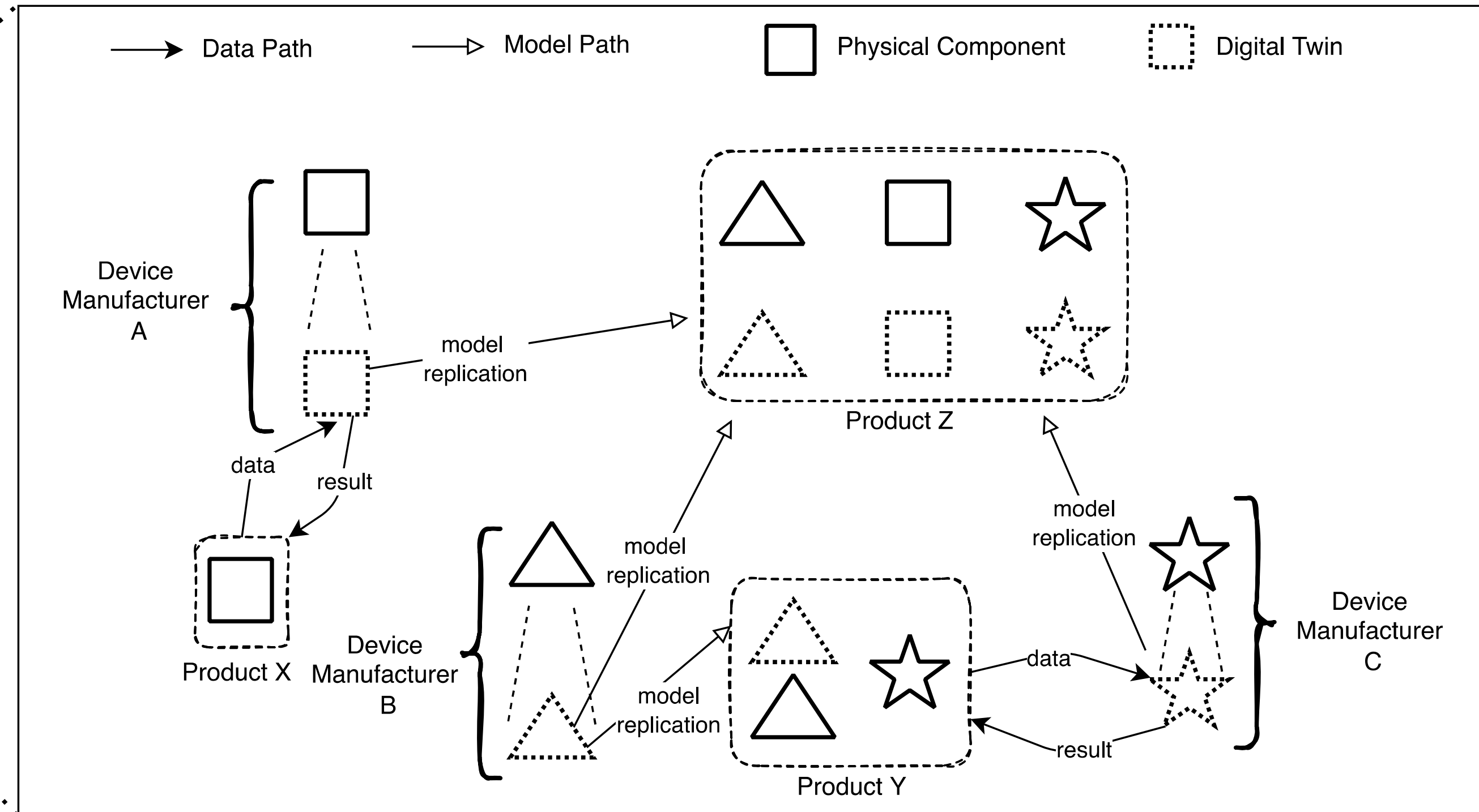innovation beyond borders

Organisation Profile

Loughborough University is a top 10 university in the UK, internationally renowned for its research and teaching excellence. The results of the 2021 Research Excellence Framework (REF) show that over 90% of our research is 'world-leading' or 'internationally-excellent'.

Proposal Introduction

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Expected outcome:
New software stack and tools

Impacts:
New generation of computing paradigm which enables digital twin centric communication and computation, and underpins new technology and business innovations

Project duration:
24 months (UK funding limitation)

Partners

We are looking for the following contributions (but not limited to):
- *End user use case*
- *Digital twin modelling & AI/ML*
- *Edge/Cloud computing*
- *Secure and trustworthy networking/computing*

Contact Info

For more information and for interest to participate please contact:

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Scan me for the presentation