

Knowledge

Launch of the Digital Twin Hub



@CambridgeCDBB #NDTDay #CDBBWeek2019 #ICEDigitalEng @ice_BIM #NDTDay #CDBBWeek2019 www.sli.do/#NDT

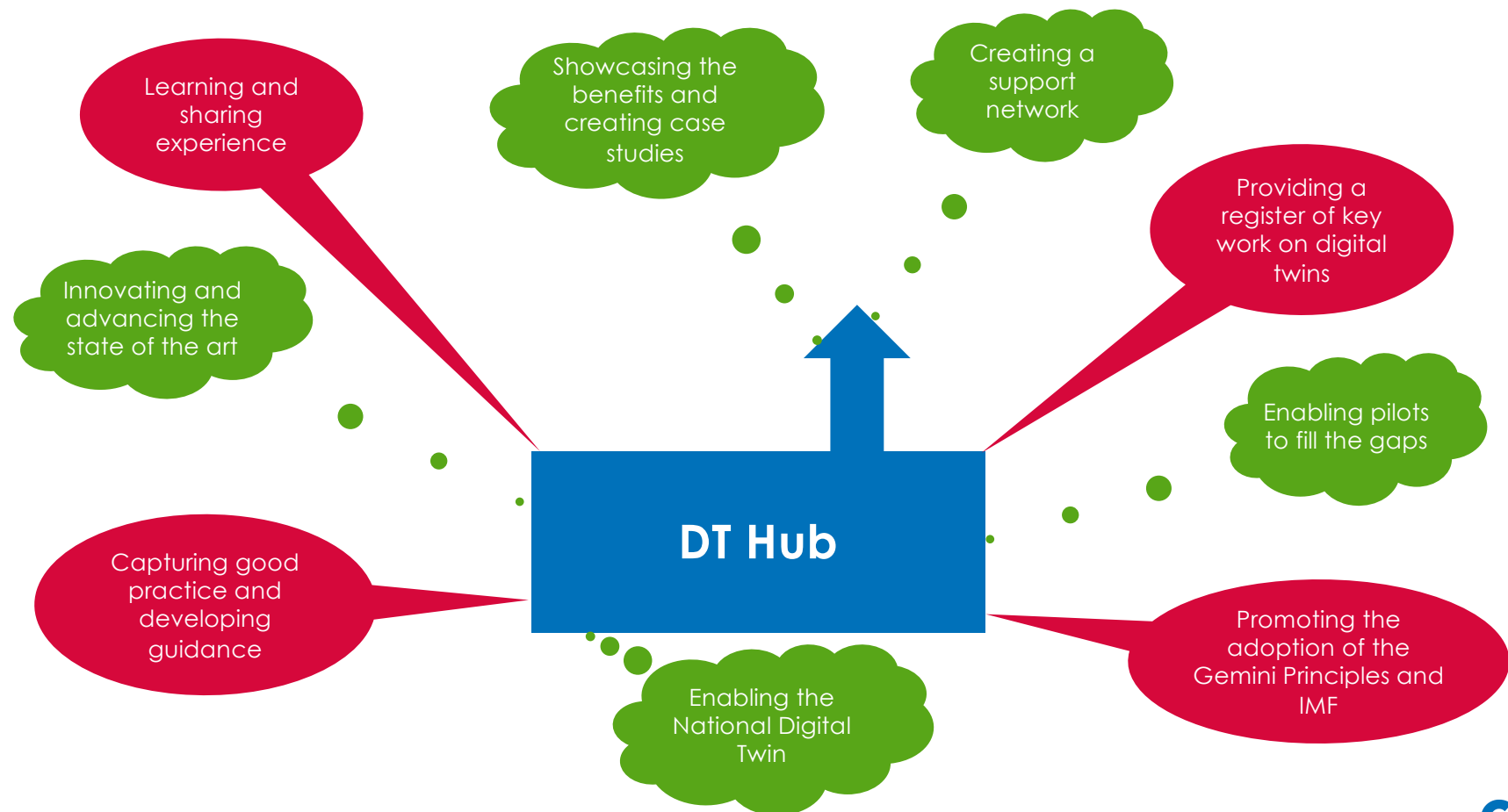
The DT Hub: CDBB is delivering a collaborative web-enabled community

Samuel Chorlton
Chair, DT Hub

The Digital Twin Hub

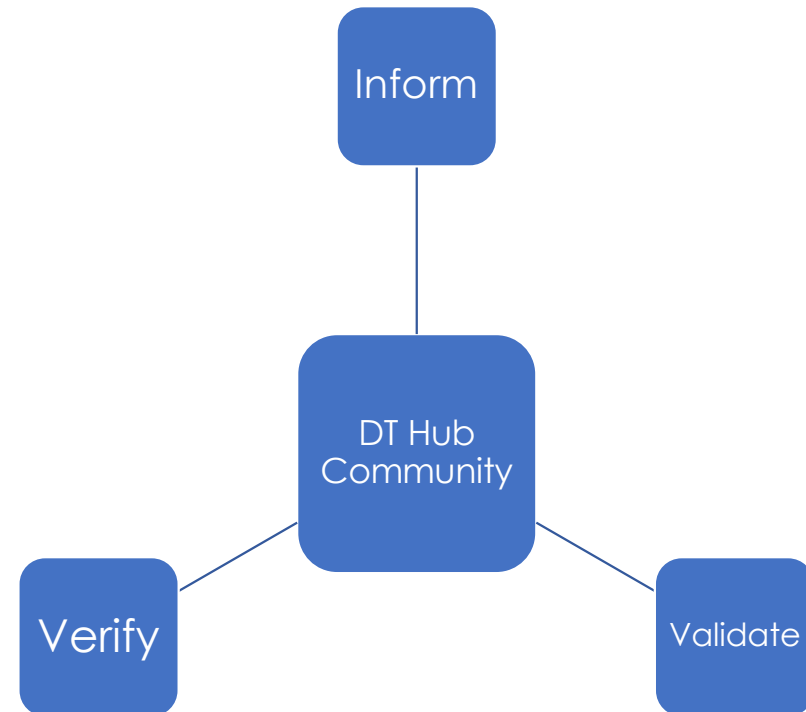
- A **collaborative web-enabled community** for those who own, or who are developing, digital twins within the built environment, and is intended to ensure that **knowledge and experience is shared** to maximise learnings. The DT Hub will involve the wider digital twin community in developing a framework that works for everybody
- Leaders within the built environment are urged to:
 - build consensus and iterate on the **Gemini Principles**
 - Help to develop, implement and then validate the **Information Management Framework**
 - Develop **Gemini-compliant digital twins**

Objectives of the DT Hub



Why a hub?

- **Learning by Doing**
- **Overcoming by Sharing**
- **Succeeding Together**



How does this help the NDT?



Digital Twin Pioneers – DT Hub Phase 1

GREATER
LONDON
AUTHORITY

love every drop
anglianwater 

 Sellafield Ltd

DT Hub

Heathrow

NORTHUMBRIAN
WATER *living water*

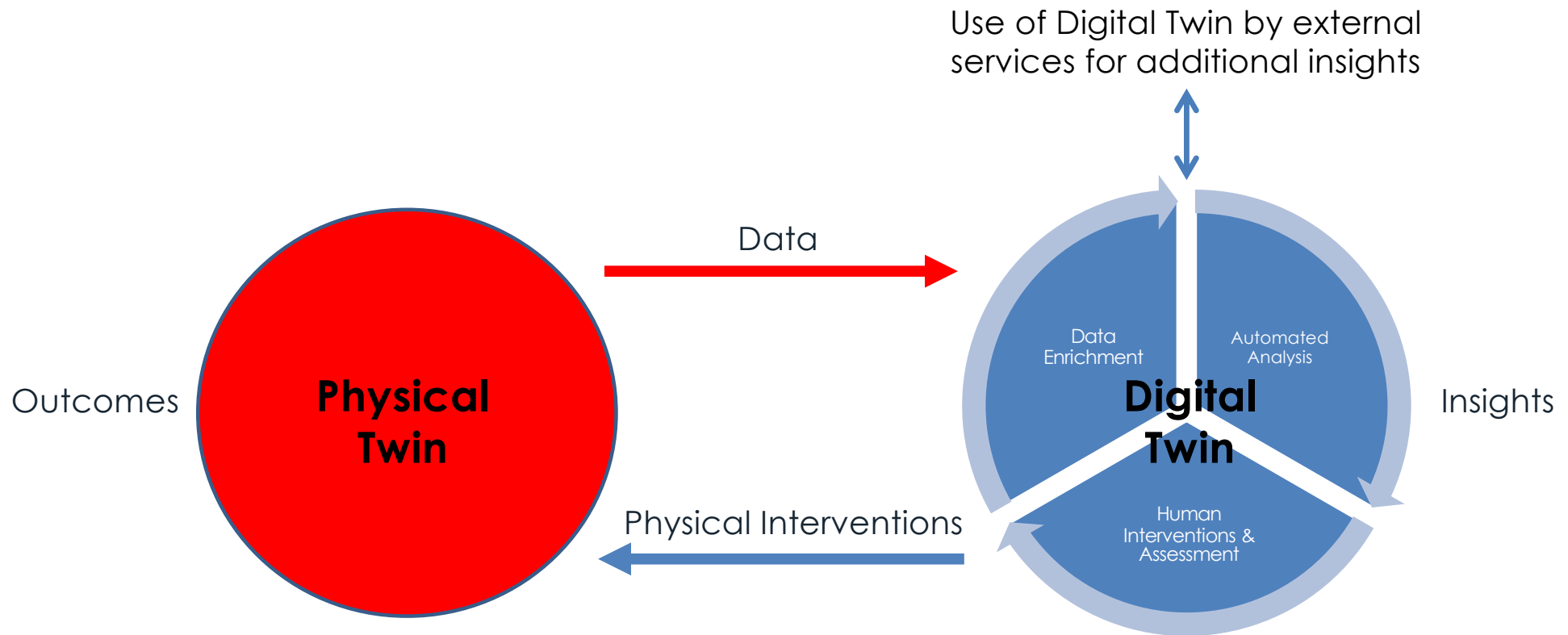
 **highways**
england

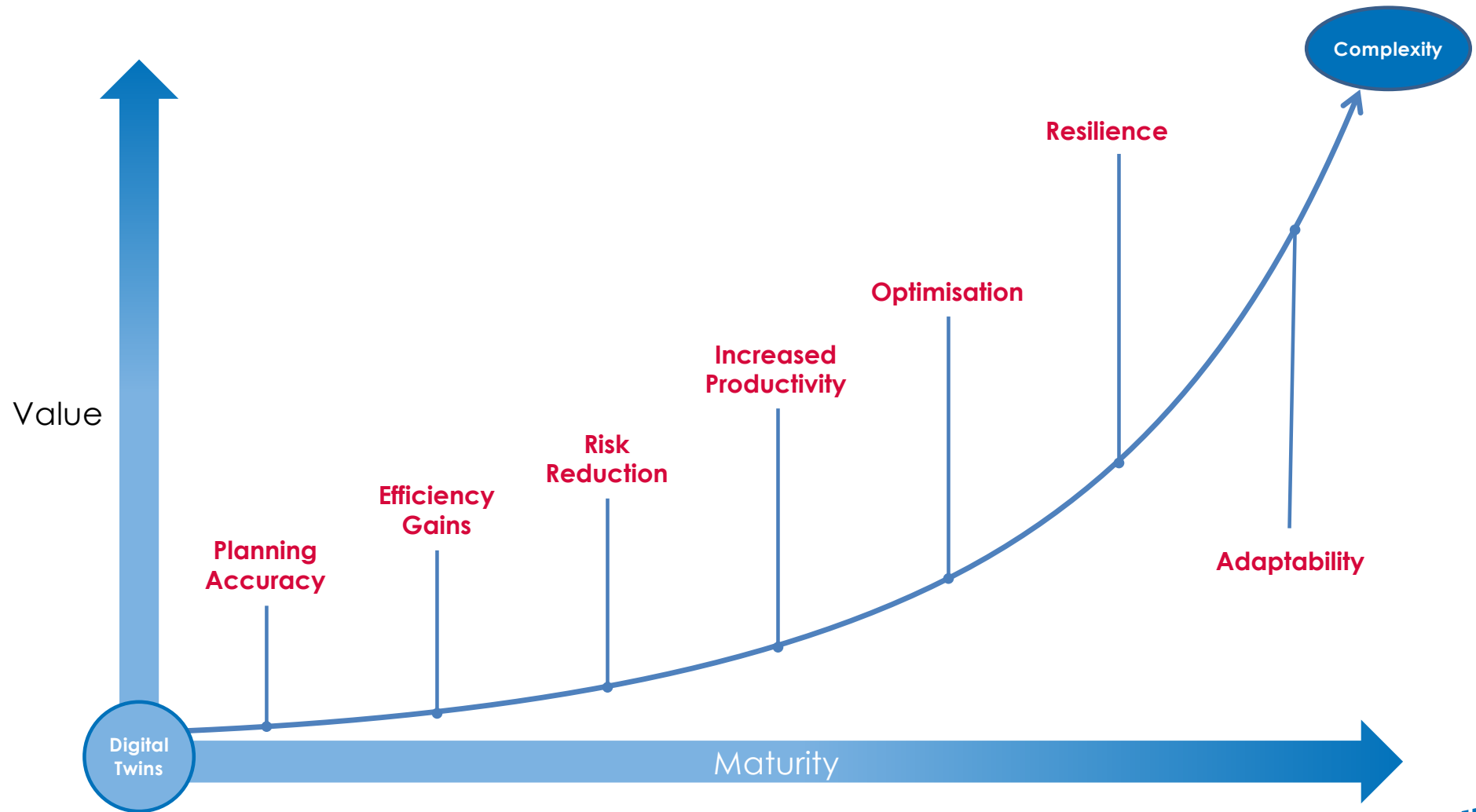
cdbb
Centre for Digital Built Britain

Common Challenges

- What is a Twin?
- How do we make all data accessible to the Twin?
- How do we manage legacy assets?
- What approach are others taking?
- How do we integrate with assets we consume rather than own?
- What solution should we use?
- What skills do we need?
- How do I get executive buy-in?

Do we need to define Digital Twins?





Aspiration – Achieved through iteration

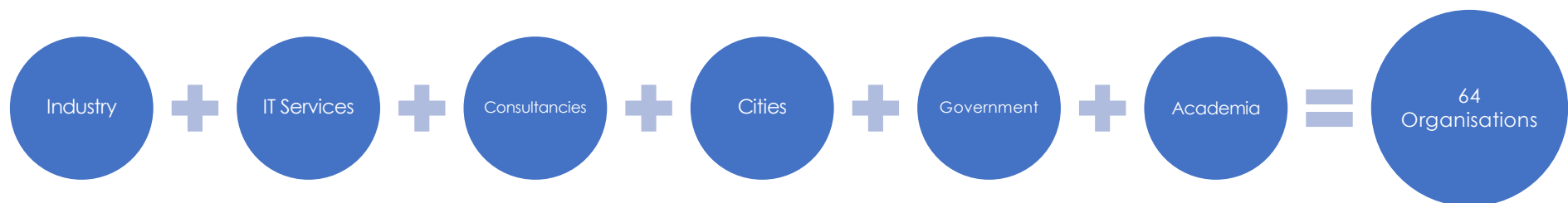
West Cambridge Digital Twin project – Institute for Manufacturing



When?

- **Now**

- Register through the CDBB website to join the existing DTHub Lobbies and remain informed and engaged with upcoming initiatives.



- **Next**

- Release of the Online DTHub Platform with a continued growth in the overall membership

DT Hub Steering Group Objectives

To guide the establishment of Digital Twin Hub and to drive the community by providing guidance through:

- a **roadmap** to indicate the evolvement of Digital Twins and identification of the resulting business values.
- a **survey of current use of digital twins** across the sectors.
- a **complexity Matrix** outlining in a clear manner the uses and complexities related to the creation of Digital Twins.
- a **report outlining a strategic approach** to guide the incorporation within industry and government.
- a collection of **best practices** for escalation to the Commons strand of the IMF.
- **support to both practitioners and company executives** as they look to adopt and evolve their use of Digital Twins.
- **guidance and consultation to the members** of the Digital Twin Hub to accelerate and facilitate addressing Digital Twin challenges.

Engage with the DT Hub

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[@CambridgeCDBB](https://twitter.com/CambridgeCDBB)

