

# The value of Information Management in the construction and infrastructure sector

This summary document has been prepared as part of the full report, 'The value of information management in the construction and infrastructure sector' for the University of Cambridge's Centre for Digital Built Britain, dated June 2021. The findings presented here should be read in conjunction with that full report.



The construction sector's historic productivity challenges means **building and maintaining the country's built assets takes longer and costs more than it should.**

**Making both public and private investment in the country's built assets more cost-effective** will help to deliver national policy objectives to **Build Back Better, Level Up** the economy and transition to **Net Zero.**

**This involves:**

 **Driving down cost**

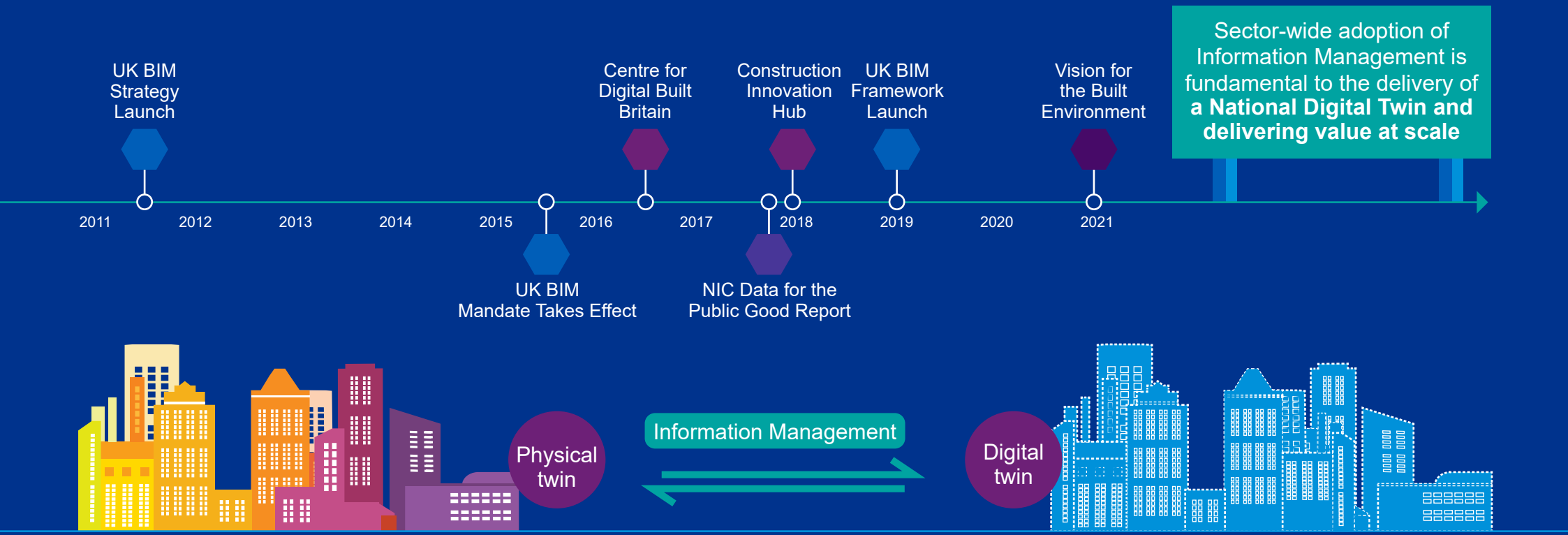
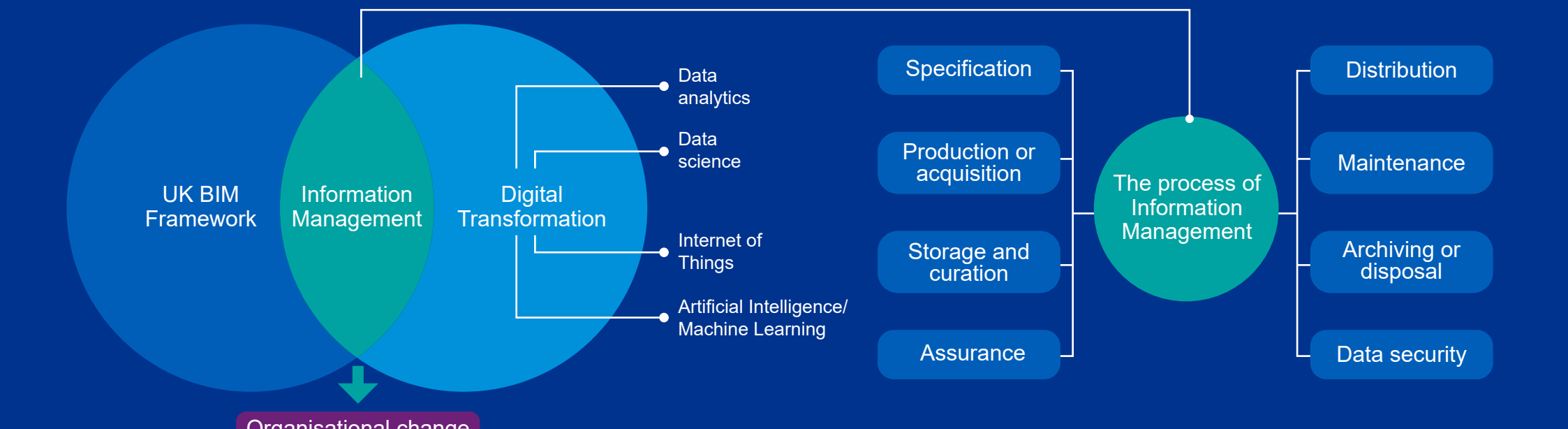
 **Improving quality**

 **Increasing sustainability**



## What is Information Management?

A vast amount of information is created, managed and used throughout the asset lifecycle. Information Management improves the quality, availability and timeliness of this information. It facilitates more efficient and effective decisions and investments across the asset lifecycle, and is a key enabler of digital transformation.





**Physical twin**



**Digital twin**

**Information Management**

## The value of Information Management

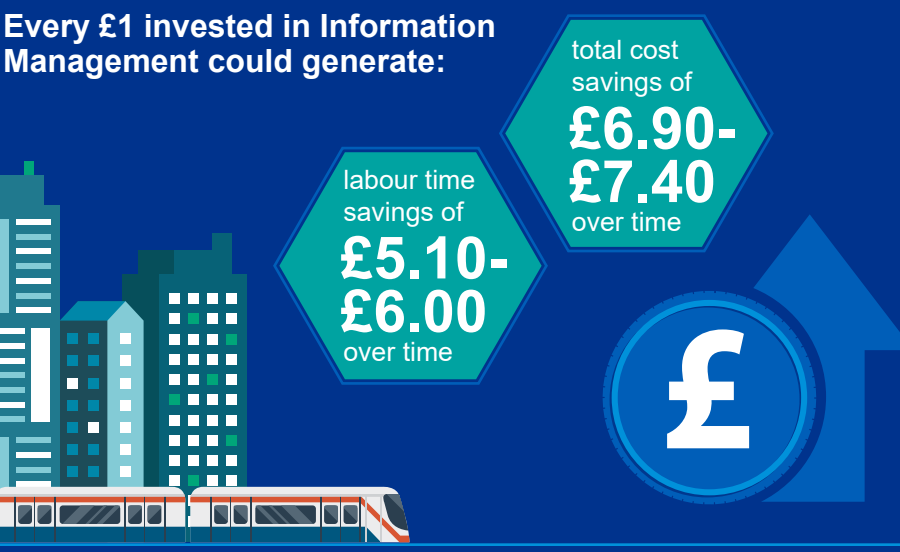
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**1 Increased productivity for organisations in the sector** using Information Management across asset lifecycle activities
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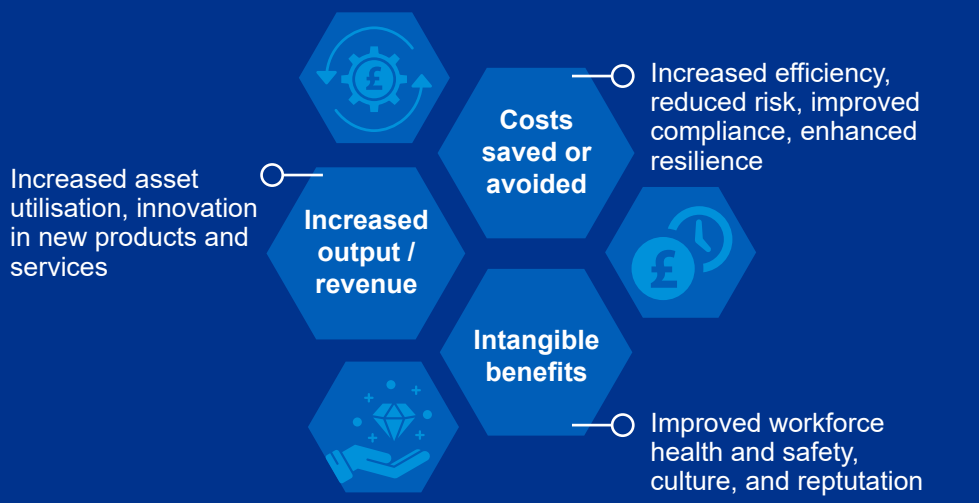
**2 Increased growth across the wider UK economy** from a more productive and competitive construction sector
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**3 Value to customers, society and the environment** from higher quality and more sustainable built assets

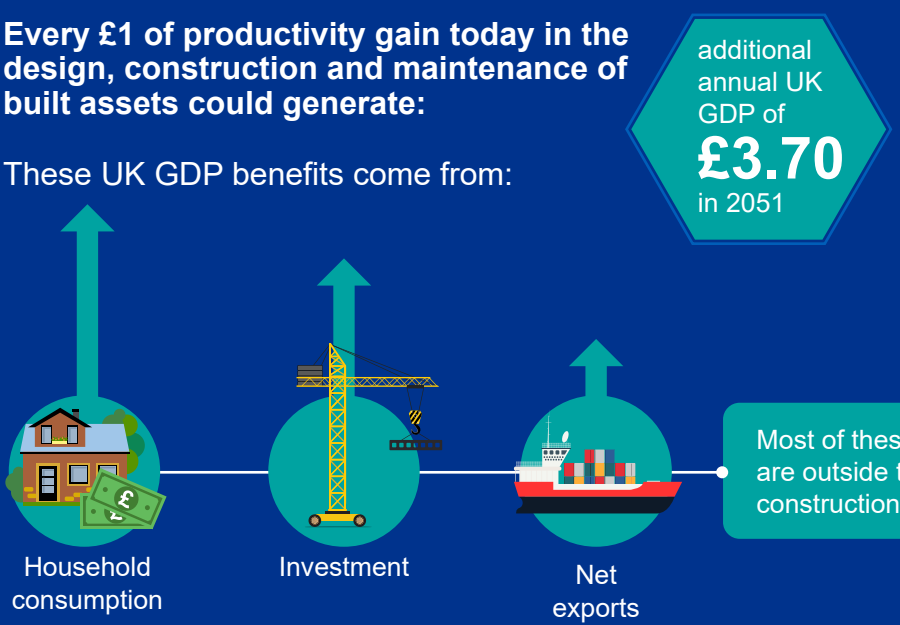
### 1 Increased productivity for organisations using Information Management



These productivity benefits come from:




### 2 Increased growth across the wider UK economy




### 3 Wider social value for customers, society and the environment

The use of Information Management across the asset lifecycle can generate **social value in the construction and operation of built assets**, in the form of both:



**Private benefits to end-users of assets**



**Externalities for society and the environment**

These wider social value benefits include:



**Higher quality assets**

- Less construction blight
- More reliable services
- More inclusive infrastructure
- Enhanced visual amenity



**More sustainable assets**

- Accelerates path to Net Zero
- Less air pollution
- Quieter neighbourhoods

Please see our full report 'The value of Information Management in the construction and infrastructure sector' for more details.



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