

Integrating the client's aspirations through BIM

Anna Thompson

05 October 2018

making the **difference**



Introductions



Anna Thompson

Director (Head of BIM UK)
Turner & Townsend

Integrating the client's aspirations through BIM

Clients aspirations

I want one of these!



Managing clients aspirations!

Why BIM? – have to/want to



Public sector clients – Digital either has been, or will soon be, formally adopted by Governments in:

- UK – All Government departments
- Netherland
- Denmark
- Finland
- Norway
- UAE – Dubai Municipality
- European Union
- USA
- Singapore
- Hong Kong – Housing authority
- South Korea
- Canada
- South Africa
- Chile
- China
- Russia

NORTHUMBRIAN WATER
living water

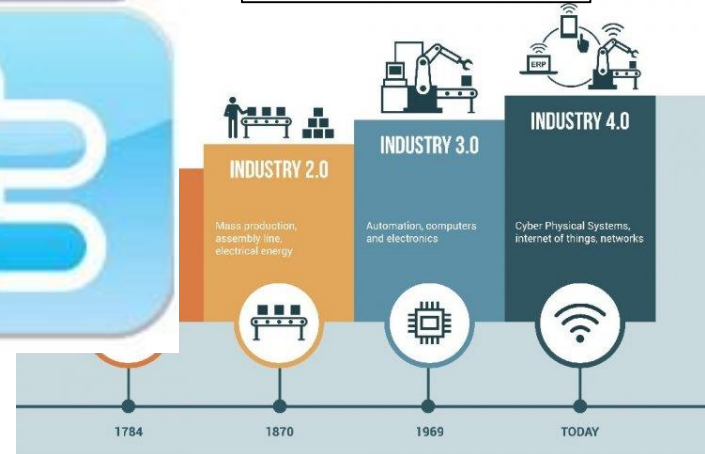
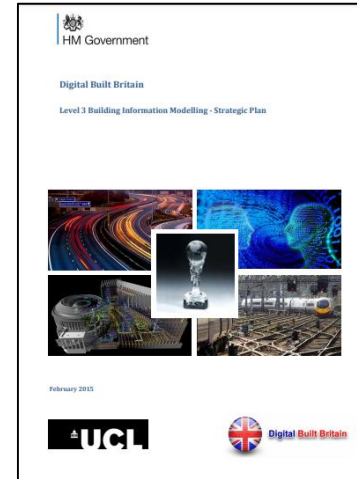


The need

- **Quality information**
- **Better decision making**
- **Cost certainty and predictability**
- **Health and safety on site and during operation**
- **Whole lifecycle approach to projects**



Influencing our thoughts..

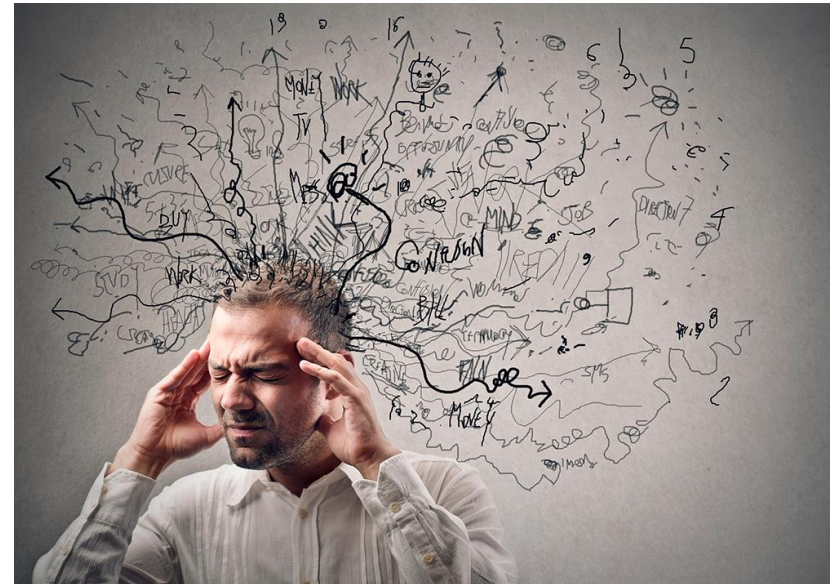


Personal & Professional challenges

Personal



Professional



Change?

We don't fear change, we fear uncertainty!

How do we deal with uncertainty:

- Pride and good news – seeing the results
- Being one community
- Embracing our future vision with confidence and belief!

Mind reading....



Discovery...

Key considerations:

- Organisations vision
- Business plan
- Estate strategies
- Strategic asset plans
- Capital project team headaches
- Operational team headaches
- Client teams
- Project stakeholder
- Supply chains

Influences (Int & Ext)

- Business
- Personal
- Financial
- Culture
- Time
- Internal & external politics
- **Project stakeholders**
- **Supply chains**

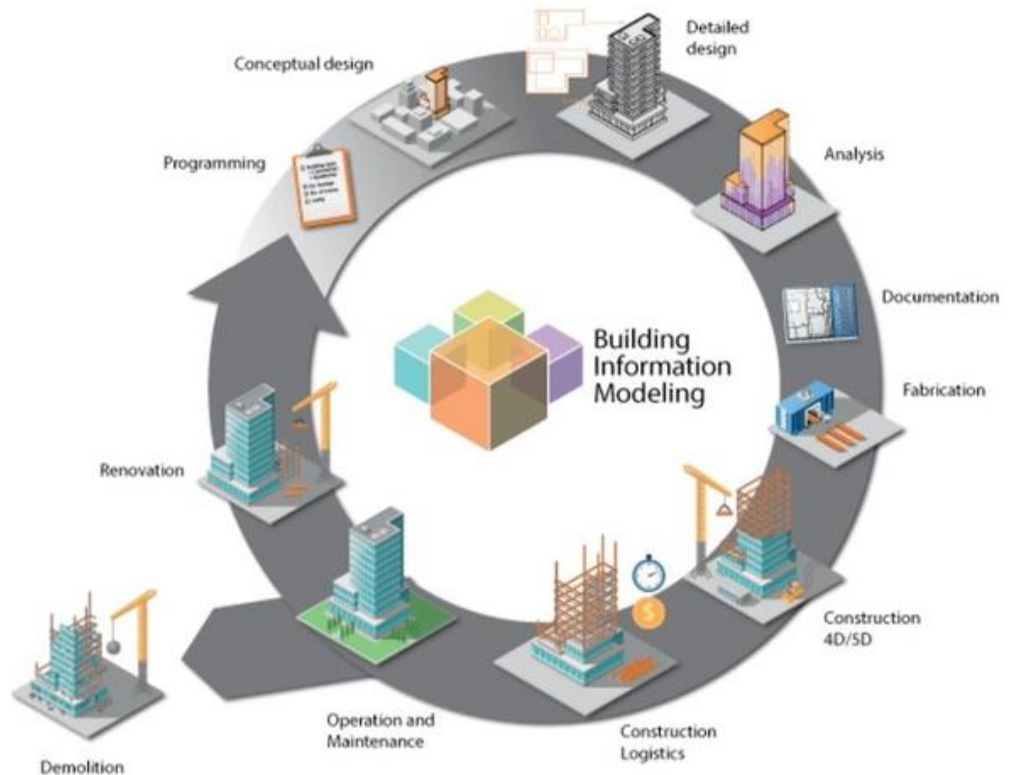
What are we trying to achieve?

Success for the construction sector is improving certainty of project outcomes through:

- ✓ **Application of digital technologies**
- ✓ **Improved productivity**
- ✓ **Developing a built environment that is much more optimised through life in its performance**
- ✓ **A cultural shift and change of mind set**

Identify BIM uses that provide value

REQUIRED BIM USES	
Pre-design	
	Existing conditions modelling
	Site analysis
Forward planning	
	Planning, sequencing and simulation
	Visualisation and communication
Design	
	Design authoring
	Spatial planning and optimisation
	3D design reviews
	Drawing generation
	Data classification
	Bespoke BIM object library authoring
	3D coordination
	Assurance and data validation
	Buildability analysis
Construction	
	Field management tracking
	Record modelling
Operations & Maintenance	
	Asset management
	Planned maintenance



Define BIM Strategy



Outputs that provide value

Outputs that provide value to all project stakeholders



Happy client 😊



Turner & Townsend Consulting Limited
3rd Floor Time Central
32 Gallowgate
Newcastle upon Tyne
NE1 4SN

t: +44 (0) 191 279 7200
e: anna.thompson@turntown.co.uk
www.turnerandtownsend.com

© Turner & Townsend Consulting Limited. This content is for general information purposes only and does not purport to constitute professional advice. We do not make any representation or give any warranty, express or implied, and shall not be liable for any losses or damages whatsoever, arising from reliance on information contained in this document.

It must not be made available or copied or otherwise quoted or referred to in whole or in part in any way, including orally, to any other party without our express written permission and we accept no liability of whatsoever nature for any use by any other party.