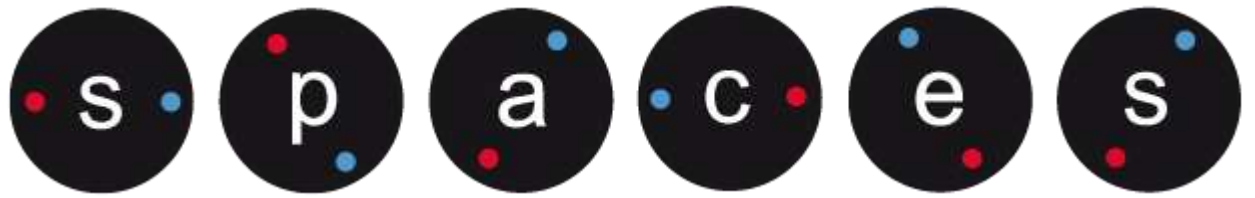




@AndyBoutle



2017 **Study Day**

Delivering Educational SPACES

Building Information Modelling

What, why, (a touch of VR) and where are we today?



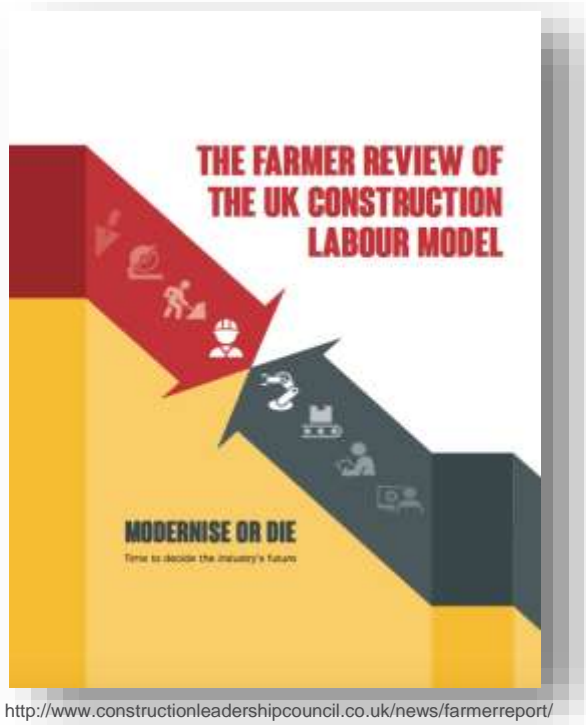
What is BIM really?

Better Information Management

- To deliver better business and customer outcomes
- By embracing digital technologies and smarter ways of working



Why should we change?



“Modernise or die” – Mark Farmer, Construction Leadership Council

- Low productivity
- Low predictability
- Structural fragmentation
- Leadership fragmentation
- Low margins, adversarial, financial fragility
- Training underinvestment
- Lack of collaboration
- Lack of R&D
- Poor image

Why embrace BIM?

- Modernisation of project delivery & operation
- Harness the power of DATA
- Reduce double handling of information
- Improved predictability, reduced risk
- Increased efficiency and margin
- Integrated teams, improved communication
- Framework for innovation (R&D)
- Attracting (and retaining) new skills into industry



So what's the problem?

- It's not easy!
- Behavioural change required
- ROI is hard to quantify
- Government mandate covers central departments only
- We talk about collaboration but we are still siloed
- Theory vs practice
- We're in transition, benefits aren't yet fully realised
- Adoption as a core mass is needed



Virtual Reality & BIM

A touch of Virtual Reality

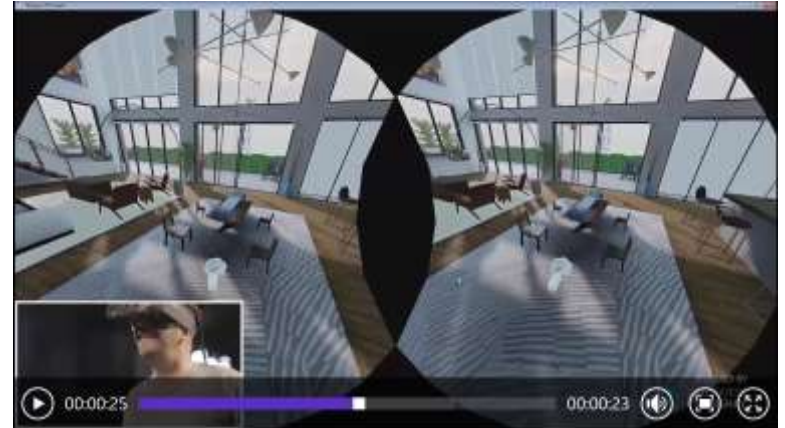


- VR is not part of the BIM process, but is enabled by it
- VR hardware is becoming more affordable, and software more capable
- Provides a fully immersive experience for stakeholders



A touch of Virtual Reality

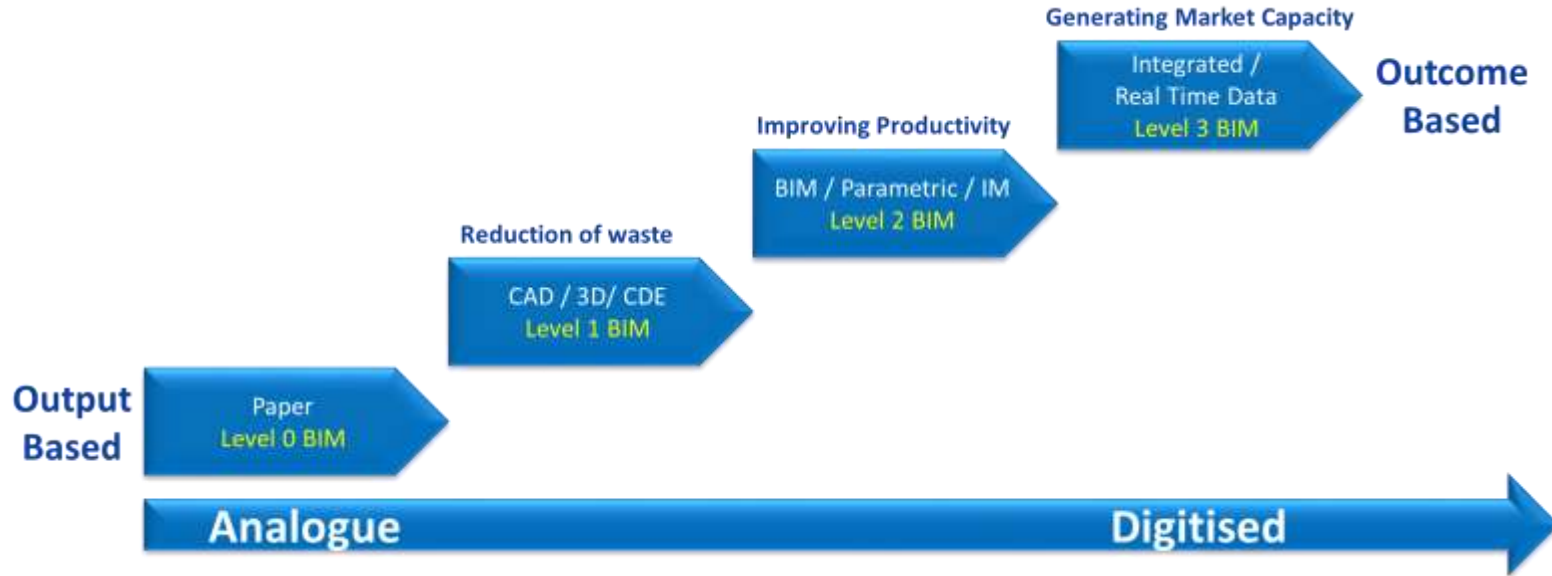
- Spaces and layouts can be appreciated better by end users during the design stages
- Combined with optioneering and realistic material rendering it can be a powerful medium for decision making
- Key usage is for client side engagement and understanding
- AR may provide a greater longer term benefit..and MR?



..Back to reality!

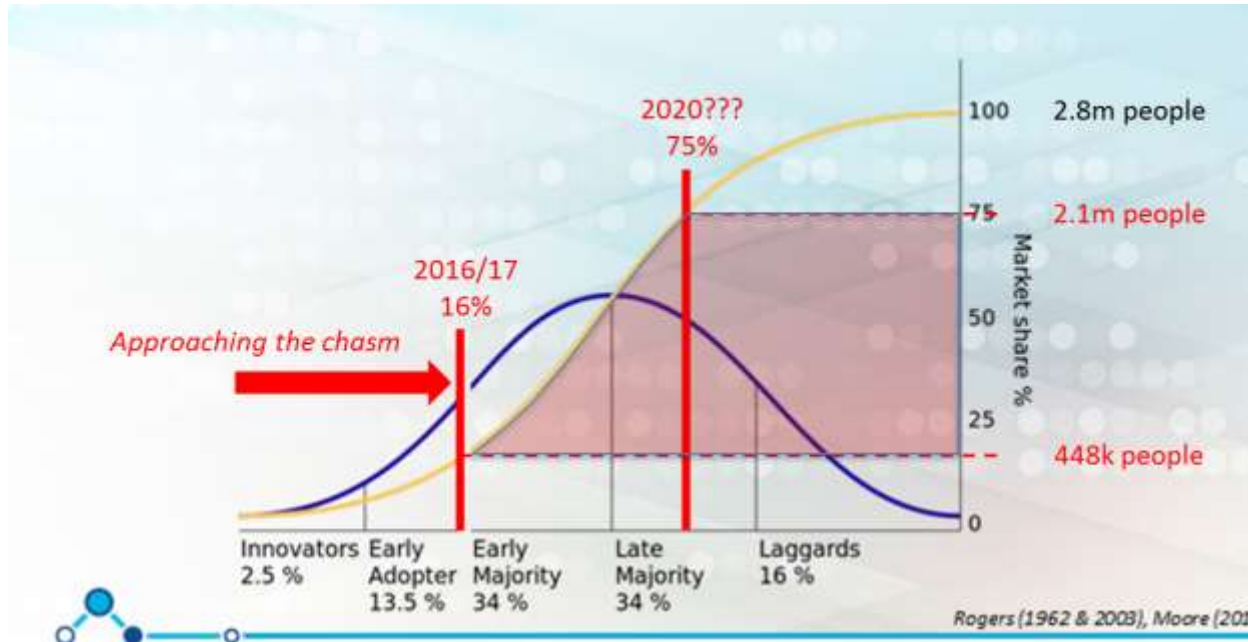
Where are we today?

Industry in transition



Where are we today?

Industry in transition – BIM Level 2 adoption?



UK BIM Alliance



The need

- Six years on from 2011 GCS
- BIM Task Group transitioned to define Level 3 as of October 2016
- Need for industry leadership and focus
- Stewardship of Level 2 implementation

Mission

- To facilitate and ensure the adoption and implementation of BIM Level 2
- To help target adoption levels of 75% for the supply and demand chain by 2020, so Level 2 becomes “business as usual”

UK BIM Alliance



Manifesto

- We aim to represent, coordinate and support industry's adoption of BIM Level 2
- Our representation is transparent, independent and supported by a network in partnership with government, institutions and industry
- We invite any group, organisation or individual to join the Alliance
- We will implement initiatives via projects that are independently funded and focused on achieving progressive outcomes in small achievable steps

'Common understanding; common approach; one voice'



Join us!



Thank you