

BENEFITTING FROM BIM: WHAT ARE THE PRIORITIES FOR DEVELOPMENT?

This paper was put together following the CBx breakfast briefing in June 2014, to summarise the open discussion around the role of BIM in data management and the feedback between design and operations, exploring how promotion could improve the way data is captured during the design phase and handed onto the end user.

Building Information Modelling (BIM) has been a hot topic across the industry for a decade, receiving increasing attention recently due to UK Government mandates for its use across centrally-procured public projects by 2016. The policy was published in the Government Construction Strategy in May 2011 with the aim of delivering projects quicker, cheaper and with lower carbon.

There is currently no movement towards setting a Government target date for BIM level 3, however benefits from BIM implementation are already being felt across the industry. Design teams are experiencing enhance time-efficiencies and increase profitability on projects through improved collaboration, visualisation, coordination and information retrieval. Manufacturers can provide accurate, information-rich BIM objects which can be thoroughly integrated into the BIM, facilitating optimum placement and utilisation of their

product, persistence of specification through the project and correct maintenance across a building's life.

For clients, design outcomes can be modelled and confirmed at the briefing and design stages enabling the maximisation of the lifetime performance of a building and greater efficiencies to be delivered.

“BIM presents a plethora of unexploited potential for the industry and further discussion centred on priorities for enhancing BIM capabilities:”

- Sophie Chisholm, CBx



KEY RECOMMENDATIONS:

- The lack of a single, end-to-end tool for design-constructor-operation creates many software coordination issues that translate into time and cost inefficiencies and prevents the full potential of BIM being realised.
- The industry needs their expertise on how to maximize the benefit for BIM in operation so as to facilitate the interoperability between Revit, CAFM and CMMS tools.
- The BIM process must be streamlined; Operations and Maintenance (O&M) manuals often get left on the shelf or underused as they are lengthy and seldom user friendly.
- Synchronisation of datasets must be improved to decrease the resources needed to verify successive alterations through the model.
- Interfaces with various energy modelling programmes should be developed to encourage feedback loops.

FULL REPORT:

<http://cbxchange.org/knowledge/whitepaper-benefitting-from-bim/>

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