UKBIM ALLIANCE KENT

CASE STUDY

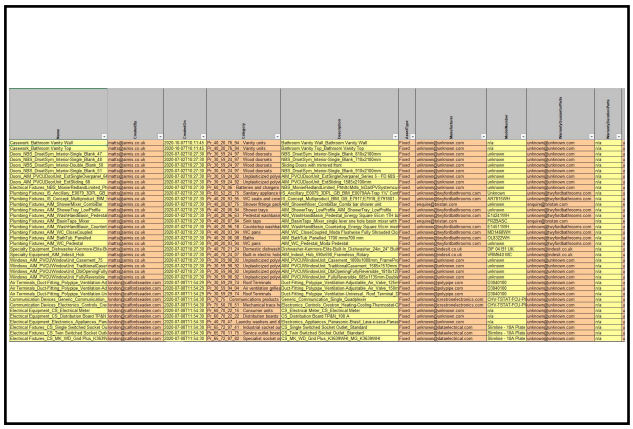
Proof of Concept

Architect / MEP Engineer / Contractor / Subcontractor / Facility Management

3D Modelling | COBie | Facility / Asset Management

What did you do?

This proof of concept project was delivered to test the processes and procedures outlined in Industry BIM standards. During this project we coordinated models from Architecture, Structure, MEP and Kitchen supplier and managed data input aligned with the COBie standard.
Our goal was to test and document processes to achieve the successful delivery of COBie into both the CDE (Viewpoint 4 Projects) and the Facility Management software (Maximo) via IFC and XLS in preparation for implementation on live projects.



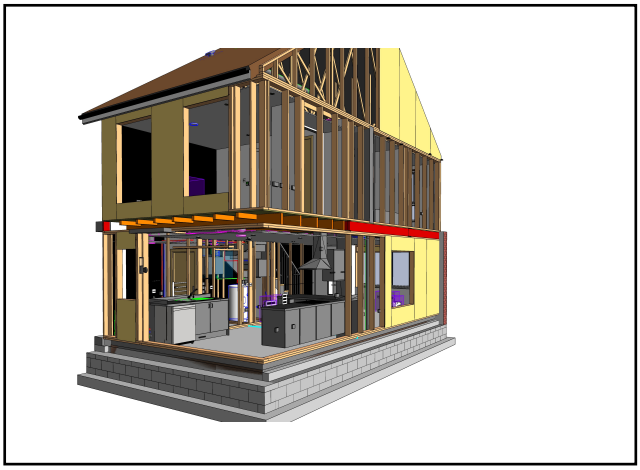
COBie Data Structure (Type information)

How can others adopt this practice?

Research, understand and test the deliverables. If you are a client organisation and ask for COBie, have a purpose for it, do you really need COBie? If you are a designer or contractor appointed to deliver COBie, research it and test the delivery strategy. Structured data requires good planning especially when different software is being used. Know that COBie is a US standard and reference should be made to the National BIM Standard Version 3, it's free but it does require some technical knowledge.

What were the benefits / value?

- Understanding data delivery challenges
- Making the mistakes and rework in test area
- Being prepared for full digital workflows



Coordinated geometry

Our client is a multi disciplinary organisation with both Construction and Facility Management operations. They are looking at developing a number of standard house types which can be delivered using BIM models with embedded COBie data which feeds directly into their Facility Management software Maximo.

They have put the proper thought into what they want to achieve and have determined that COBie is a data exchange format that works with their systems and therefore is a deliverable which has

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