

South BIM Hub January Meeting Notes by Allister Lewis

Case Study 1

David Miller – [David Miller Architects](#)

- Currently a SME practice doing schools and residential work
- Using BIM from early stages, feasibility stages useful- data comes from this, visual output
- Z map data for context - photogrammetry
- Point clouds being used in Navisworks
- Bespoke solutions but using same components. Quality controlled.
- Early stage analysis can be undertaken.
- No longer working on diagrams, younger graduates have not worked in 2 d at all.
- Areas schedule with red light green light on it
- Trying to reduce information in model so that right amount goes at the right time.
- Speed in alterations is very easy.
- Visual clash detection is sometimes better than clash detection in navis

Case Study 2

Andy Harle - [Lyons Sleeman Hoare Architects](#)

- Sainsbury investing in BIM
- Small steps from extension to sub station £30000
- £38 million Sainsbury development, Bicester
- Commercial clients not requiring BIM yet but doesn't stop you using it for own needs
- Constructing a prototype of the building
- BIM visualisation helps sell scheme
- Chic project information - code identifies issues of basic cad drawing broad approach
- Revit export to Tekla with IFC.
- Tekla BIM site - useful free viewer
- IFC not quite resolved yet.
- Export if coordinates has been an issue - grid export needed to line things up. IFC not exported grid at present.
- As built drawings and tolerances on site - how are these illustrated? Not resolved yet.
- Good communication is key - speaking is required.
- WIP model sharing required often. Iterative process is supported through this.
- Model is a central reference point for 2d details overlaid.

Case Study 3

David Perkins - [AKS Ward](#)

- This talk is about AKS Wards approach to BIM and an overview
- Revit used - introduced of kings cross station, condition of BAM was to use revit
- Historical parts formed core of work
- Architect did not use BIM,
- BIM used regularly on majority of projects
- Somerstown Hub
- £11 million value
- 3d model is valuable tangible tool
- Now-
- Regularly sharing models with consultants
- Analysis software being used
- Consistent templates and systems
- Problems exist but working to overcome
- Not seen a BIM execution plan used to date

Case Study 4

Phil Stacey

Collaboration is the theme – document control requires development

SharePoint

- Document controlling
- Revisiting and checking in and out quickly
- SharePoint could be CDE

Asite

- Developer focused software
- Online and document control, works well

PHP Collab

- Open source, anyone can use it
- Has benefits of above programs
- How these can work as CDE
- 2d drawings are still used so opportunity missed
- 3d offers opportunity of understanding what they are seeing
- PHP Collab Phil considers the best to develop as CDE due to open source

Straw poll time - BIM problems top ten! (not in any particular order)

1. Investment costs – software, hardware, training.
2. Change management – cultural change in work practices required.
3. Multidisciplinary education – not in silos?
4. Integration and exchange
5. Different views – BIM/drawing package/drafting?
6. Meeting regulations and standards – e.g. BS1192. Standards issued too early? PAS Status not BS status yet? No clear certification yet.
7. Client and owner buy in – demand not established. Recognition of investment into model production
8. Clarity & Simplicity of BIM – should be able to be used at every level, all people can understand what BIM can be used for. Documents such as PAS 1192 too complex?
9. Finding a way in to BIM – drawing tool then full BIM?
10. Revit and its market dominance
11. Limitation of available software