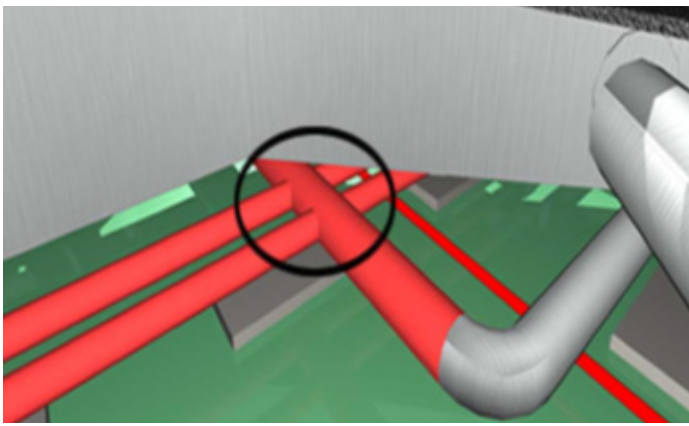


Clash Management

One of the main drivers in establishing BIM and a digitised delivery process is to reduce waste during delivery, and project collaboration is one of the mechanisms to work towards this. But working collaboratively is not an answer to totally reducing waste, we need to consider team co-ordination during design prior to construction. To resolve an interference clash between two objects is far cheaper to resolve virtually rather than live out on site during construction, especially as we are looking to gain confidence in offsite fabrication and delivery of building elements.



The Clash Manager role is to perform clash management activities on the project. Reporting to the BIM Manager, the Clash Manager will perform clash detection checking and reporting, including the aggregation of models into a single environment to provide clash analysis and feeding back of comments into the design team.

It's the responsibility of the Clash Manager to maintain progress during the project stages and manage the quality of geometry being reviewed. The overall responsibility is normally covered by the Lead Designer during initial design stages and then in most cases moved across to the Contractor during the build stage.

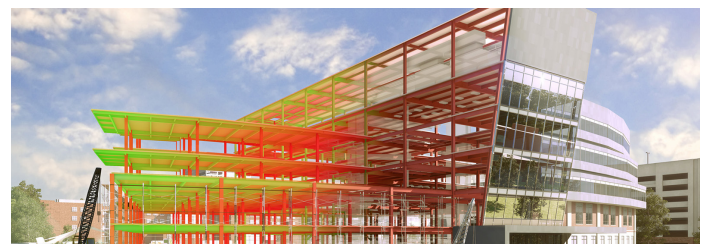
Models should be updated frequently on at least a 2-week interval and BIM co-ordination meetings will be managed

and hosted by the Clash Manager. During each session, the virtual environment will be reviewed, highlighted issues discussed/actioned and subsequent feed-back provided to the responsible parties to resolve.

Excitech offer a Clash Manager service, providing assistance within the federation of the model into a single project information model (PIM) and run a managed clash detection process throughout the duration of the project. The PIM can either sit locally or be cloud hosted, depending on project requirements. If hosted locally within e.g. Autodesk Navisworks, the clash matrix will initially be created and aligned to element search sets so a structured process can be adopted and tolerancing factors determined.

Key areas of the service include:

- Host the BIM Co-ordination meetings
- Federate models of various file formats
- Establish the project clash matrix
- Agree the project clash tolerance
- Deliver a clash report
- Present project progress on a clash management dashboard
- Work with the BIM Manager on model workflows from various supply chain partners
- Distribute comments to the element owner
- Clash Analytics to monitor progress



For more information on our construction services please call 01992 807 444 or email marketing@excitech.co.uk.

Features and Benefits of Clash Management Services

- Independent coordination review
- Established workflows for reports/analysis
- Guidance and best practice followed
- Production of a federated PIM
- Reduce unnecessary work
- Streamline processes
- Train existing teams via shadowing
- Reduced risk
- Understanding of requirements at relevant project stage
- Reduce site issues and waste