Building Information Modelling
The interface between MEP designer and installer
CIBSE BIM Edge debate – 7th March 2013
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BIM: The interface between MEP designer and installer

- Designer’s BIM
- Installer’s BIM
- Collaborative BIM
MEP BIM through the building lifecycle

- Conceptual modelling
- Virtual construction
- FM / energy modelling
- All services modelled in 3D
- Space planning in 3D
- Design model linked to schedules & calcs
- Fabrication & off site manufacture
- Thermal modelling / compliance

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Collaborative approach – Changing the shape of procurement

Traditional process:

- Design taken to tender stage by consultant
- Contractor appointed based on tender design
- Post Occupancy...

Collaborative process:

- Installer informs designer of installation requirements / implications, e.g. pre-fabricated module arrangements
- Responsibility of the model moves over to installer as they take on installation details
- Designer reviews installation model and considers impacts on design
- Post Occupancy...