



**Duration:** 2 Days

**Prerequisites:** Before attending the course the user should have attended the BIM implementation training and have experience in model aggregation and BIM authoring software.

**Course Outline:** This course is designed at modelling users such as task information originators, managers and interface managers. The course reviews the federation of a model, key obstacles and processes involved from different technology to clash renditions and model coordination\development.

**Course Format:** The course is a hands on workshop using various model information from industry reviewing and addressing common challenges in information models when collaborating. Different sources of information will be generated. The model aggregation tool utilised is Navis Works Manage.

### Overview

1. BIM authoring Tools available in industry.
2. Model aggregation tools available.
3. Project information roles:
  - a. Information originator.
  - b. Interface Manager.
  - c. Task Team Manager.
  - d. Project Information Manager.
4. BEP alignment on model strategy.
5. Development of Models through the workshop and hands on covering:
  - a. Modelling Files types and federation of:
    - i. Revit, Architectural, Structural and MEP.
    - ii. DWG – through several sources.
    - iii. ArchiCAD.
    - iv. IFC.
    - v. Bentley.
    - vi. Sketch up.
    - vii. Specialist manufacturing software – SOLIDWORKS.
  - b. Project coordinate positions.
  - c. Container names and workflows.
  - d. Volume strategy.
  - e. Model Quality and validation.
  - f. 4D and 5D outputs and opportunities.
  - g. Clash Avoidance process and configuration.
    - i. Reports.
    - ii. Which clashes to perform and responsibility.
6. Level of Definition development:
  - a. How is this achieved:
  - b. How is it federated and where does responsibility reside?
7. COBie deliverables in the aggregated model.

*Please do not hesitate to contact us for registration and further information*

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