

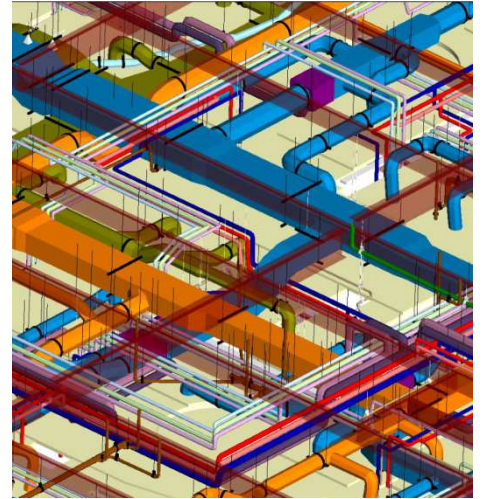
BIM for project managers

Agenda

Objective

After completing the course the students will be able to:

- Evaluate a project and identify value added BIM use cases
- Define a technical scope for BIM to support contracting
- Drive the BIM execution planning process
- Set up a delivery schedule for BIM execution
- Set appropriate channels for communication in a digital workflow
- Set up project governance and QA procedures for BIM execution
- Perform basic model review and clash detection
- Create basic model-based construction sequencing and simulation



Understand technologies to connect the office to the construction site and take data from the field into a virtual environment and vice versa

Day 1 Training

- Review of model based technologies
- Level of Development (LOD) theory review
- Contracting for BIM
- NATSPEC guidelines
- Basics of BIM execution planning
- QA processes and checklists for model audit
- Digital RFI processes
- Basic clash detection and issue tracking (hands on)
- Coordination meeting support in 3D
- Review case studies for BIM coordination

Day 2 Training

- Getting familiar with the 5D concept
- Non model based scheduling (hands on)
- Basics of model-based quantity takeoff (hands on)
- Model based scheduling (hands on)
- Construction sequencing simulation (hands on)
- Production Control (hands on)
- Review of field solutions – utilizing laser scanning and digital layout in the BIM process

Note: Students who want to participate in the hands on portions of the classes will need to provide their own laptop. Training licenses will be provided by BuildingPoint.