

New Tools for a Developing Market: Implementing Projects Using Building Information Modelling (BIM)

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What is BIM?

Building Information Modelling (BIM) is a building development tool that is based on a 3D model of a building created in an object-oriented (intelligent) modelling software.

Once the model is created, it can be used to assist with design, construction and operational tasks; it can also be used as a communication tool.

Different uses of BIM may require different software applications to utilize the model, so BIM requires software to be interoperable.

Why BIM?

- 75% increase from 2 years ago
- 49% of AEC firms using BIM
- Contractors use quadrupled in the last two years
- Use of BIM will double in two years
- 42% of Engineers using BIM..... but continue to lag behind Architects and have been surpassed by Contractors in use



Why BIM?

- Distinct advantages in
 - Design
 - Coordination
 - Cost control
 - Programme/Planning
 - Facilities management
- Technological Advancement
- Government Policy
- Client/Contractor demand

