

BIM Management Advanced Training Course

Course Overview

Course Length: 16-Hours

- 24-Hours - 112 x 2-hour sessions
- BIM Management online course
- Remote training over MS Teams
- Sessions are recorded and download links for each session are provided for future use
- Training for up to 1-3 people
- Sessions can start within 7 days upon ordering
- Flexible sessions (for example, consecutive sessions or Monday, Wednesday, Friday)
- Courses are private and topics can be customised to suit
- Includes Certificate of Completion
- Training manuals are an additional \$159 each for soft copy

This BIM Management training course is designed to equip professionals with the essential skills and knowledge to efficiently manage Building Information Modelling (BIM) processes within construction projects. The program covers BIM fundamentals, standards and protocols, model coordination, data management, risk mitigation, and stakeholder collaboration across the project lifecycle.

Topics Covered

- BIM Management explained
- Digital Engineering, Digital Prototyping, and Digital Twins
- Global and local BIM standards including ISO 19650, ISO 7817, ISO 13567, ISO 14001, ISO 21500, ISO 27001, and ISO 55000
- PMP, Agile, and Scrum in BIM project environments
- BIM implementation strategies and business analysis tools
- Project management, Integrated Project Delivery, tender processes, and BIM Execution Plans
- Software packages, workflows, and data exchange across BIM platforms
- Model management including ANZRS, OBOS, and Revit troubleshooting
- Coordination management, clash detection, 4D simulation, and quantity take-off
- Bid management and resource management

Prerequisites

A general understanding of construction projects, design coordination, or digital project delivery is recommended. Familiarity with BIM software such as Revit or Navisworks is helpful but not essential.

Training Course Guide Contents

BIM Management Introduction

- Digital Engineering
- Digital Prototyping
- Digital Twins

Global and Local Standards

- ISO 19650 (building information modelling)
- ISO 7817 (BIM level of information in need, LOD's)
- ISO 13567 (CAD coordination)
- ISO 14001 (construction & environment)
- ISO 21500 (project management)
- ISO 27001 (information security)
- ISO 55000 (asset management)
- PMP (project management certifications)
- Agile / Scrum
- BIM Implementation Strategies
- Business Analysis Tools
- Project Dasher

Project Management

- Integrated Project Delivery (IPD)
- Tender Process
- BIM Execution Plan (BEP)

Software Packages (interaction & data exchange, focus on workflows)

- Sketch Book
- Formit Pro
- Infracore
- Civil 3D
- Revit
- AutoCAD
- Inventor
- Office 365
- Navisworks
- MS PowerBI
- MS Project
- Primavera
- Robot Structural Analysis
- Advance Steel
- CostX
- Procore
- RIB (Candy, CX)
- Autodesk Construction Cloud
- Tandem
- Aconex
- Revizto
- BIM Beats
- Gaming Engines

- Unreal
- Unity3D
- Customisation
- Dynamo
- Python
- C# Plugins
- Forge

Model Management

- ANZRS (Australia & New Zealand Revit Standards)
- OBOS (Open BIM Object Standard)
- Troubleshooting Revit Models

Coordination Management

- Collaboration with Revit
- Collaboration using BIM360
- Collaboration using IFC
- Navisworks
- Clash Detection
- 4D Simulation
- Quantity take off
- Autodesk Construction Cloud
- Tandem
- Bid Management
- Resource Management

BIM Auditing

- BIM Auditing Tools and Software
- BIM Auditing Workflow
- Data Quality and Compliance
- Documentation and Reporting
- Risk Management in BIM Auditing

Risk Management

- Risk Analysis
- Risk Monitoring
- Intellectual Property
- Indemnity
- Responsibility
- Procurement

Job Descriptions

- BIM Management Job Descriptions and Roles