

BIM Management Training Course

Course Overview

Course Length: 16-Hours

- 16-Hours - 8 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

Chapter 1: BIM Management and Digital Engineering

- BIM Management Explained
- Digital Engineering
- Digital Prototyping
- Digital Twins
- **Global and Local BIM Standards**

Chapter 2: BIM Standards and Compliance

- ISO 19650 Building Information Modelling
- ISO 7817 Level of Information Need and LODs
- ISO 13567 CAD Coordination
- ISO 14001 Construction and Environment
- ISO 21500 Project Management
- ISO 27001 Information Security
- ISO 55000 Asset Management

Chapter 3: Project and Workflow Management

- PMP Project Management Certifications
- Agile and Scrum Workflows
- BIM Implementation Strategies
- Business Analysis Tools
- Project Dashboards and Reporting

Chapter 4: Integrated Project Delivery and BIM Execution

- Integrated Project Delivery (IPD)
- Tender Process Workflows
- BIM Execution Plans (BEP)
- Stakeholder Collaboration Workflows

Chapter 5: BIM Software and Data Exchange Workflows

- SketchBook and FormIt Pro
- InfraWorks and Civil 3D
- Revit and AutoCAD
- Inventor and Navisworks
- Office 365 and MS PowerBI
- MS Project and Primavera
- Robot Structural Analysis and Advance Steel
- CostX and RIB Software
- Autodesk Construction Cloud and Tandem
- Aconex and Revizto
- BIM Beats and Gaming Engines
- Unreal Engine and Unity3D

Chapter 6: BIM Customisation and Automation

- Dynamo Workflows
- Python Scripting
- C# Plugins
- Forge Integration

Chapter 7: Model Management

- ANZRS Revit Standards
- OBOS Open BIM Object Standard
- Troubleshooting Revit Models
- BIM Data and Model Management Workflows

Chapter 8: Coordination Management

- Collaboration with Revit
- Collaboration using BIM 360
- Collaboration using IFC
- Navisworks Coordination
- Clash Detection
- 4D Simulation
- Quantity Takeoff
- Autodesk Construction Cloud Workflows
- Tandem and Asset Management
- Bid Management
- Resource Management