

Technical Education Services

BIM Management Certificate Course

Course Duration: 4 days

- BIM Fundamentals
- BIM Advanced Concepts
- Competency Assessment



Course Overview

Part 1 will discuss the basic themes and knowledge required to understand the principles of BIM. The course will demystify the terminology in regard to BIM as well as the requirements for skills and knowledge in a BIM Framework.

Part 2 of the course will detail the processes and details in regard to delivering BIM in line with client requirements and objectives to ensure teams understand the documentation, skills and abilities to utilize BIM processes on their projects. The course includes a detailed explanation of the processes and requirements which align to both local and international standards.

Having an understanding of the strategic management and implementation of BIM as well as the technical skills and processes will enable you to work on both local and international projects with ease. The course aligns to the framework adopted globally and in line with the up and coming ISO standard supporting BIM.

BIM is more than just working in a 3D environment, it is about ensuring teams have the relevant capabilities, the required skills and knowledge and the drive to be able to succeed and commit to it. The benefits of BIM can be seen heavily in the operational phase of assets and it is the aim of the course to ensure delegates build their knowledge in the context of BIM Management across all stages of a project.

For the current course
schedule and to register
for this course:

Web: redstack.com.au

Phone: 1300 667 263

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Why choose Redstack for your BIM training?

Redstack have proven expertise with a number of successfully completed projects throughout the Asia Pacific region. Our local team is led by one of Australia's only accredited BIM professionals, Jack DeCandia. Our Sydney, Melbourne and Adelaide training rooms are equipped with the latest technology and we utilise industry leading teachers and presenters to ensure we deliver a high quality training experience. Our trainers have extensive international experience delivering successful BIM projects, providing valuable experience and insight.

CITB Subsidies Available



Redstack's BIM Management Training is endorsed by the Construction Industry Training Board. A subsidy is available to the first 10 CITB members who take up this offer. Contact us on 1300 667 263 to confirm your eligibility and obtain further details on this offer.

Learning Objectives and Outcomes:

- Understand the basic principles of BIM
- To gain an understanding of basic drivers toward implementing BIM in Australia and globally.
- Learn the benefits of BIM.
- Learn how to address the challenges of BIM.
- Government Drivers and local implementation methods.
- International Context.
- The value of data and how information should be managed, delivered and used through all stages of a project.
- Be clear on why BIM is a determining factor on delivering projects on time and without waste and inefficiencies.
- Assessing the supply chain regarding BIM and if they have the skills and knowledge to be able to deliver.
- The importance of Asset and Facilities Management and BIM.
- Learn how to create and update important project documentation such as a BIM Brief (EIR) or BIM Execution Plan.

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- The Legal and contractual implications of BIM on your organisation and how they will affect the projects you work on.
- The importance of Information Management throughout all stages of a project.

Benefits of Attending BIM Management Training:

- Be able to explain the basic principles and terminology in relation to BIM on a global stage.
- Have a clear idea of how BIM enables greater efficiencies and how these relate to the projects you work on.
- To engage with clients on the benefits and key drivers that are associated to BIM.
- How to manage teams and projects in context to BIM and ensuring all members of the supply chain are aware of the requirements to be able to deliver.
- Understand and utilize the technologies that support BIM and how they can be used to drive greater efficiencies and workflows.
- Understanding of BIM best practice processes and documentation in line with global standards.
- Create your own template documents, including a BIM Execution Plan and company specific BIM Documents.
- To gain a better understanding of the relationship between Design and Construction and into Facilities and Asset Management to provide better solutions for your clients.
- Be able to work within the context of both local and international projects.

Who should attend BIM Management training?

The course is suited for all members of the Architecture, Engineering, Construction, Asset Management and Property Development Industries who are looking to upskill in the context of BIM and understand the way in which BIM influences, changes and positively affects the industry. The course will provide advanced knowledge to be able to deliver on BIM in the context to their projects

BIM Management Training Prerequisites:

There are no prerequisites for this BIM training course.

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Course Content

Part 1: BIM Fundamentals

Day 1

- Overview and Introduction to the Course
- What is BIM?
- Why adopt BIM?
- The Benefits of BIM
- The Challenges of BIM Implementation
- BIM Dimensions - What are they?
- Collaborative Working & BIM
- BIM in Australia.
- Global Context and differences. (eg. Singapore, USA, UK).
- The concept of a whole life approach.
- Drivers for the successful adoption of BIM.
- The importance of clear and concise Client/Owner requirements.
- The importance of data and how it should be managed and delivered.

Day 2

- Roles and Responsibilities both Client side and Supply Chain Side.
- The return on investment (ROI) which will inform decision making.
- Project Management and BIM.
- Ensuring the capability of the supply chain is in line with the owner's requirements.
- Procurement.
- Contracts, local and international examples for additional elements.
- Pre-Qualification and ensuring shortlisted tenderers are meeting client requirements.
- Tendering and BIM.
- Supplier Responsibilities and understanding BIM in context to your professional role.
- Responsibilities and Contractual requirements

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- BIM Technology – Authoring & Viewing.
- BIM Technology – Coordination.
- BIM Coordination – A Common Data Environment (CDE).
- BIM Technology – Data Management & File Formats.
- Open BIM Methodologies.

Part 2: BIM Advanced Concepts

Day 3

- The importance the information delivery cycle supported by PAS1192-2 in regard to BIM.
- What are Plain Language Questions (PLQ's).
- The role of the owner/client and the relationship to the Employers Information Requirements (EIR), the Asset Information Model (AIM) Strategy as well as detailed team member roles regarding processes including project or firm specific skills.
- Capability of the supply chain and assessing if teams have the skills relevant to the project to deliver.
- How to develop a Task Information Delivery Plan (TIDP) against client defined information deliverables.
- A detailed synopsis of the core BIM related standards both locally and internationally and where they are applicable.
- The importance of LOD. What is it, how is it used and where does it come from
- Design Responsibility Matrix and supplier responsibilities.
- An overview and recommendations in regard to Professional Indemnity Insurance and the implication on projects in relation to BIM.
- Employers, Organisation and Asset Information Requirements (EIR's, OIR's and AIR's) – What are they?
- The importance of the role of Information Management.
- Supply Chain Capability Assessment, including IT, BIM and Resource Assessment.
- Overview of the contents of a Pre and Post Contract BIM Execution Plan (BEP) and how to ensure constant review and updates are achieved.

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Day 4

- Strategy toward BIM Implementation
- BIM Implementation Project Versus Organisational.
- Assessing existing capability within your organization (Auditing skills)
- Detailed implementation methods.
- Documents supporting a BIM Implementation
- The basic principles of change management.
- Lessons learnt and recording benefits.
- The importance of Post Occupancy Evaluation.
- Soft Landings Principles.

Part 3: Assessment

- Assessment of topics covered

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Cancellation Policy

The following cancellation policy shall apply to all training and consulting engagements including customised training solutions:

Redstack reserves the right to reschedule or cancel the date, time and location of its class at any time. In the event that a Training Class is cancelled by Redstack, Customer is entitled to a full refund. Redstack shall not be responsible for any other loss incurred by Customer as a result of a cancellation or reschedule.

For Customer cancellations when written notice is received (i) at least ten (10) business days in advance of the class, Customer is entitled to a full refund of its payment or reschedule enrolment, (ii) less than ten (10) business days, Customer shall not be entitled to a refund, but shall receive a class credit to be used within three (3) months of the date of the original class.

Student substitutions are acceptable with at least two (2) days prior notice to the class, provided substitution meets course prerequisites and is approved by Redstack

For all Training orders, cancellation notices must be submitted in writing. Redstack is not responsible for any error in the delivery of the email notice. In the event of any reschedule of any training or consulting services by Customer, Redstack will invoice Customer for all non-cancellable travel expenses.

For more information, contact us on 1300 667 263.