Building Information Modelling (BIM) Fundamentals

Training course

STAGE **1** 2 3

Essential information about the course

This course will provide you with an understanding of why 'Collaborative BIM' has been adopted as a UK Government requirement and how Building Information Modelling (BIM) supports Lean principles to reduce waste in construction and asset management. This course will provide an overview of the standards that define UK BIM Implementation and the fundamental processes of a Common Data Environment (CDE).

It will also help you understand 'BIM according to ISO 19650' – the new international standard (Part 1 and 2) and 'UK BIM Implementation' from the perspective of clients and customers. The role of information in managing assets and projects more efficiently and the tools defined for this.

In addition, you'll understand 'BIM according to BS EN ISO 19650' and 'UK BIM Implementation' from the perspective of designers, constructors and supply chain. Responding to the client's exchange information requirements (EIR). Tools used in the supply chain to manage and exchange information (CDE, COBie, IFC).

The course will help you to put UK BIM Implementation into the broader context of information security, roles and responsibilities. You'll reflect on the impact delivery for your organization and what next steps need to be taken.

Our course agenda

Day 1	Day 2
- Why is BIM an important topic for the built environment sector? - BIM and collaborative working - Why is data and information wanted? - Building the team - How is information demanded? - Project standards	- Asset management and BIM - How to respond to information requirements - Starting an appointment - Producing information - COBie - Level of definitions - Security and BIM - Common processes for putting BIM into practice - Roles and responsibilities - Planning and managing change Book today at **bsigroup.com/training**

On successful completion of your course, you'll receive an internationally recognized BSI certificate

Make sure the course is right for you

Who is this course for?

This course is ideal if you're adopting UK BIM Implementation into your organization, your own work practices, or helping your clients or supply chains to adopt it. Construction and asset management professionals (project managers, asset managers, designers, constructors, manufacturers, maintenance contractors, information managers) would find it particularly useful.

What will I learn?	What are the benefits?
This course will help you to understand the basic principles of BIM, the definition of BIM and why it's important You'll be able to explain: • The terms 'BIM according to ISO 19650' and 'UK BIM Implementation' • The value of information through all stages of a project and asset lifecycle • Why BIM is a determining factor for delivering projects on time and without waste and inefficiencies • The terminology relating to BIM You'll be able to demonstrate the ability to use the standards that support 'UK BIM Implementation', and gain a general understanding of the 'Information Delivery Cycle' as outlined in ISO 19650-1	This course will help you to understand: • The rationale behind UK BIM Implementation and in the context of your own organization • The range of standards, tools and other documents that define and are used to implement it • How it helps to manage asset information and deliver better projects • How all types of suppliers respond to client requirements • Roles and responsibilities • How it provides a framework for better information security You'll reflect on the topics covered and plan your forward actions to help put UK BIM Implementation into practice

Prerequisites

A critical prerequisite for attending this course is that either your organization has already decided it needs to adopt UK BIM Implementation, or you wish to know more about what 'BIM according to ISO 19650' and 'UK BIM Implementation' would mean for your business

Why invest in training from BSI?

When you attend a BSI training course, our tutors are the best in the business. They're truly passionate about sharing their knowledge and ensuring you learn. Trusted experts with years of hands-on and business experience, they bring the subject matter to life with relevant and contemporary examples to enhance your learning.

Training delivered at your site could be a convenient and cost effective option, especially if you have multiple delegates. Talk to one of our experts to find out more.

Next steps with the BSI Academy

Following this course, we recommend that if you're involved with a detailed UK BIM Implementation, you continue on to the appropriate one-day BIM course(s).

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