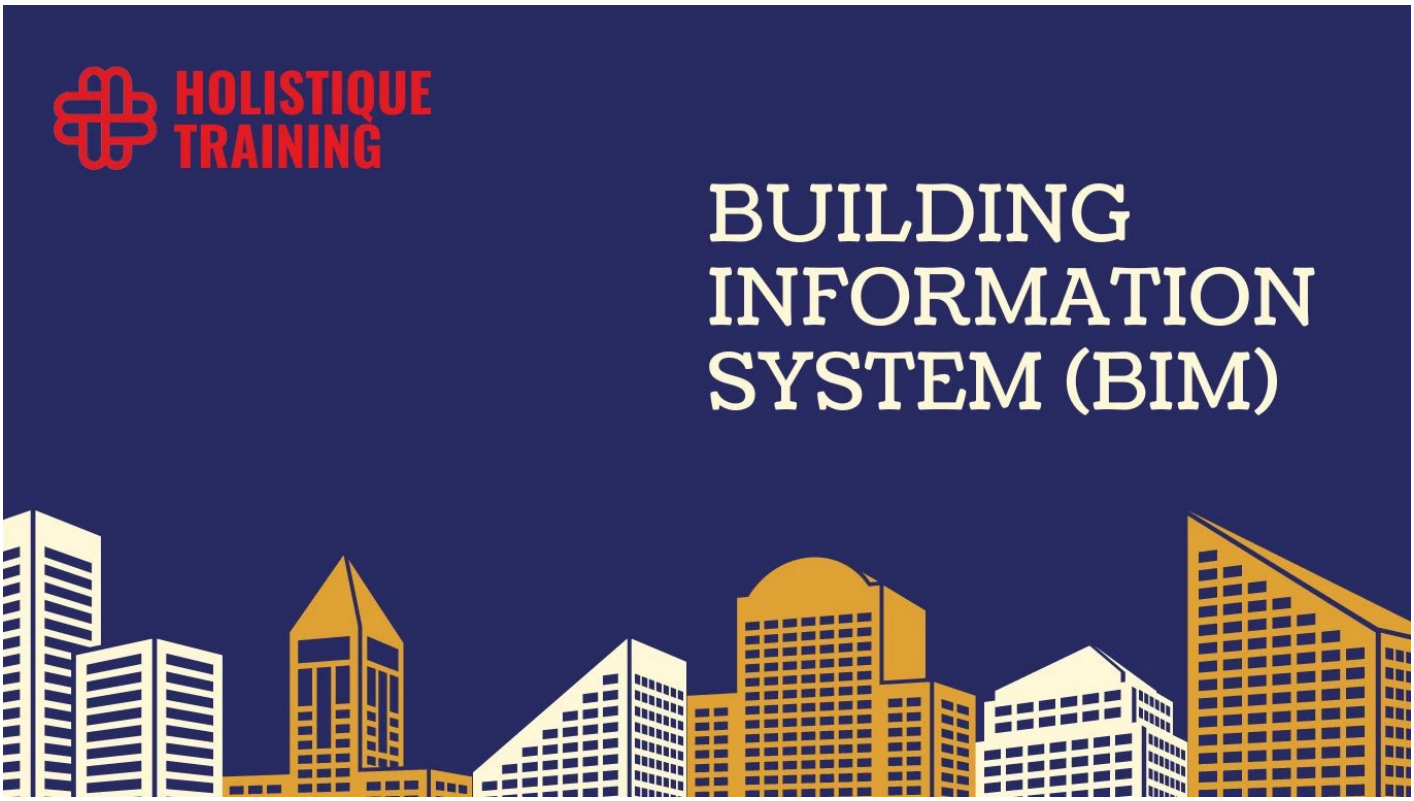

Building Information Modelling (BIM) Foundations & Best Practices

Duration: 5 Days

Language: en

Course Code: ND04 - 128

Objective

Upon completion of this course, participants will be able to:

- Develop a solid understanding of BIM principles and their role in construction and civil engineering.
- Gain practical experience in using BIM tools for project management and collaboration.
- Understand the standards and frameworks essential for successful BIM implementation.
- Explore advanced BIM applications to improve sustainability and lifecycle management in projects.

Audience

This course is intended for

- Architects, engineers, and construction professionals aiming to adopt BIM in their projects.
- Project managers and coordinators seek to enhance collaboration and efficiency through BIM.
- Facility managers and planners interested in integrating BIM into lifecycle management.
- New construction and civil engineering professionals who wish to build a foundational understanding of BIM.

Training Methodology

The course combines interactive lectures, hands-on software training, group discussions, and real-world case studies. Participants will engage in practical exercises to reinforce learning, with opportunities to collaborate on projects that simulate real-world BIM scenarios. The methodology emphasises experiential learning, ensuring participants can immediately apply their new skills in professional contexts.

Summary

Building Information Modelling (BIM) has revolutionised the construction and civil engineering industries, offering a collaborative platform that enhances project efficiency, accuracy, and sustainability. This course provides a comprehensive introduction to BIM, covering fundamental concepts, practical applications, and best practices. Participants will gain the knowledge and skills needed to effectively implement BIM processes, leading to more streamlined project management and improved outcomes.

Course Content & Outline

Section 1: Introduction to BIM :

- Overview of BIM and its importance in modern construction
- Key concepts and terminology
- Case studies demonstrating BIM benefits

Section 2: BIM Standards and Frameworks :

- Understanding industry standards (e.g., ISO 19650)
- Frameworks for successful BIM implementation
- Legal and contractual considerations

Section 3: BIM Software and Tools :

- Introduction to leading BIM software (e.g., Autodesk Revit, Navisworks)
- Practical exercises in model creation and collaboration
- Integration of BIM with other technologies (e.g., GIS, VR)

Section 4: Collaborative Workflows in BIM :

- Enhancing communication and collaboration through BIM
- Managing data and information across project phases
- Coordination and clash detection

Section 5: Advanced BIM Applications :

- BIM for sustainable design and construction
- Lifecycle management using BIM
- Future trends in BIM technology and its impact on the industry

Certificate Description

Upon successful completion of this training course, delegates will be awarded a Holistique Training Certificate of Completion. For those who attend and complete the online training course, a Holistique Training e-Certificate will be provided.

Holistique Training Certificates are accredited by the British Assessment Council (BAC) and The CPD Certification Service (CPD), and are certified under ISO 9001, ISO 21001, and ISO 29993 standards.

CPD credits for this course are granted by our Certificates and will be reflected on the Holistique Training Certificate of Completion. In accordance with the standards of The CPD Certification Service, one CPD credit is awarded per hour of course attendance. A maximum of 50 CPD credits can be claimed for any single course we currently offer.

Categories

Construction & Real Estate, Engineering

Tags

Building Infomration Modelling , BIM

Related Articles

Building Tomorrow: The Transformative Power of BIM

Embark on a journey through Building Information Modeling (BIM), from its multidimensional facets to global standards. Discover how BIM's collaborative process shapes the present and envisions a future where technology seamlessly integrates with architectural design.