



Global BIM Manager Professional Training

- *Course Brochure* -

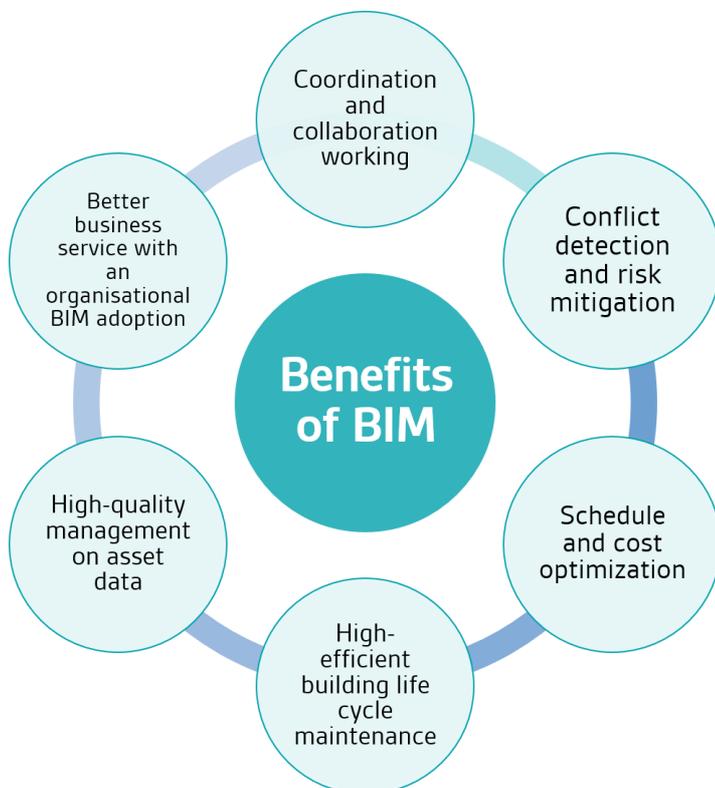




WHAT is BIM?

BIM is revolutionizing the way the construction industry creates and cares for its assets around the world. It ensures that everyone in the supply chain; from architects, engineers, constructors and facilities management share information in a collaborative way. It is a new method of construction that delivers major benefits - most notably time and cost savings through building in a collaborative and by managing costs through the whole lifetime of a building. To facilitate the adoption of BIM BSI developed, together with construction industry experts, the UK 1192 series of standards which define BIM Level 2 published in 2013. The ISO 19650 suite of standards moves towards internationalising these standards.

Since 4 April 2016, BIM Level 2 is mandatory in a government project in UK. The use of BIM is also becoming more commonplace in other countries, such as Singapore, South Korea, Canada and China etc. In Hong Kong, BIM is being implemented in various sectors, such as BIM for Statutory Submissions in Architectural Services Department, BIM for Asset Management in Electrical and Mechanical Services Department, BIM for Utilities Design in Water Supplies Department etc.



In 2017, the HKSAR Government decreed that BIM technology must be used in the design and construction of all major government capital works projects with a project estimate of more than HK\$30 million that were scheduled to start during or after 2018, and that the use of this technology in private construction projects should also be promoted.

In addition, to ensure the healthy development of BIM in Hong Kong, Construction Industry Council (CIC), has introduced the BIM Certification and Accreditation Schemes to ascertain the competency of BIM personnel and the quality of local BIM training courses. To be eligible for certification as a CIC-Certified BIM Manager (CCBM), one of the requirements is the successful completion of BIM Manager course accredited by CIC.

To cope with the surge in demand for BIM personnel and training needs, we are pleased to announce that BSI launches the “Global BIM Manager Professional Training”. The purpose of this course is for the preparation of CCBM application and it is the route to be a CCBM. We aim to offer delegates a quality BIM Manager training with the appropriate skill levels and competency in using BIM technology at international standard.



Background of Institution

BSI - Source of the Standards

BSI formulated PAS 1192 standard

The UK currently the region, which sees the fastest growth in the application of BIM. As one of the countries utilising BIM for many government projects at the earliest, UK not only published various regulations and relevant standards but also issued the mandatory policies in April 2016. During this course, BSI played an important role in BIM standardisation pushed by the UK government: in 2014, entrusted by the Construction Industry Council (CIC) of UK, BSI formulated PAS1192 standard.

Meanwhile, BSI also provides the construction companies globally with the standard certification services specific to the BIM competency for project delivery in design and construction stages. In 2016, BSI launched the BIM-related Kitemark. So far, the enterprises which have been certified by BSI Kitemark: Balfour Beatty Plc, BAM Ireland, BAM Construct UK Ltd, Gammon Construction Ltd, Skanska UK Plc and voestaplineMetsecPlc.

Admission Requirement:

Qualification:

A degree in architecture, engineering, surveying, building or construction, or equivalent as recognized by CIC, plus five years of relevant post-degree experience (including at least six months in Hong Kong)

Practical BIM experience:

At least two years of practical experience in BIM in past five years (including at least six months in Hong Kong)

*Non-standard route of admission will be given to applicants who do not meet the admission requirements under special consideration of BSI in consultation with CIC

Policies and procedures for admission

- Completion of Application Form by internet or hardcopy formats
- Submission of relevant original documents to prove the requirements as stated
- The profile of the applicant will be sent to training operations manager for approval





WHO should take this course?

The training course targets, but not limited to:

- CEOs, CFO, CIOs, & COOs
- BIM Managers
- Asset, Engineering, Quality, Facility, Project, Technical Managers
- Real Estate Developers
- Civil, Mechanical and Structural Engineers
- Architects
- Construction Professionals
- Contractors
- Surveyors
- Academia and Government Authorities

From the following industries:

- Government
- Construction
- BIM Consultancy
- Building Materials
- Quantity Surveying
- Project Management
- Architecture
- Real Estate Planning and Development
- Asset Management
- Property and Facility Management
- Green Building Development and Management

WHY this course?

Course Content

Course content developed by BSI and HKU
BSI: NSB; Royal Charter; Thought Leader; BIM Level 2; ISO19650; Kitemark, Quality and Trust
HKU: Top University; Faculty of Architecture; Scholar BIM professor

Global Vision

From BSI as an international NSB and CB to our tutor's experience from UK, Europe, Australia, Asia, China and HK

China Insight

Practical experience case sharing for China and Hong Kong market

International Language

Training content designed with ISO 19650, BIM Level 2, PAS 1192 and local standard suite

Authoritative External Advisor and Tutors

Dr Mark Bew MBE: Recognized authority in BIM; our external examiner, executive course speaker
Ir Dr Llewellyn Tang: Expert in Digital Construction, research in BIM Level 2, 3, 4; Data value, blockchain

Training Certificates

CPD hours and certificate

Path to HKU master

To be connected to Master degree programme of HKU (subject to HKU assessment and approval)

One-stop Training

Flexible Training Option:
 Global BIM Manager Professional Training;
 Business Review of BIM; BIM Executive Talk

and more...



CITF Fund Claimable

Our course is also registered under the Pre-Approved Lists of Construction Innovation and Technology Fund (CITF). With the funding ceiling of HK\$15,000 per person (accumulative): In general, each person enrolling training is entitled to HK\$3,000 or 70% of the course fee per course, whichever is the higher.

The course fee is **HKD 5,400 only** (original: HKD 18,000) after CITF reimbursement.



For details of CITF, please refer to CITF website at <https://www.citf.cic.hk/>

WHAT will be taught?

Course content covers ISO 19650-1:2018, ISO 19650-2:2018, ISO 19650-3:2020, BS 1192-4:2014

Day 1 - Introduction to BIM and Digital Information Management (I)

Topic	How this will help you
<ul style="list-style-type: none"> BIM concept Local & Global Contexts, BIM standards and guidelines BIM software Technology trend Digital information management Common Data Environment (CDE) 	<ul style="list-style-type: none"> Understand the basic principles and terminology of BIM Understand the governments' objectives towards achieving Level 2 BIM, HK BIM and ISO BIM Engage with clients on the benefits and key drivers associated to BIM Understand BIM software and technology trend Understand the value of information and how it should be managed, delivered and used through the capital, delivery and occupation phases of a project Create a common data environment and understand how to deliver information in line with the Design Responsibility matrix and individual supplier responsibilities Understand Construction Operations Building Information Exchange (COBie) Learn how to utilize Industry Foundation Classes (IFC)

Day 2 - BIM Digital Information Management (II), BIM Commercial and Contract

Topic	How this will help you
<ul style="list-style-type: none"> Data quality control & assurance across various stages Commercial issue Contract issue 	<ul style="list-style-type: none"> Grasp the concept of 'Digital Built' and ensure your business recognizes the need for the development of BIM as part of the agenda Grasp the practical application of BIM requirements to a client's facilities management strategy and goals Advise clients on how to manage data more effectively and in turn become a desirable supply chain member for them in the future Manage teams and projects to ensure all members of the supply chain are aware of the requirements to be able to deliver Learn legal and contractual implications of BIM and how they may affect your projects



Day 3 - BIM Uses and Processes (I)

Topic	How this will help you
<ul style="list-style-type: none">• Client BIM Strategy• Client Pre-tender Project Stage	<ul style="list-style-type: none">• Understand the importance of data from the client via the Employers Information Requirements (EIR)/ Project Information Requirements (PIR) document• Understand the development and requirements of the Project Information Model (PIM)• Understand the data relevance and collating a plan for an Asset Information Model (AIM) in line with PAS1192-3

Day 4 - BIM Uses and Processes (II)

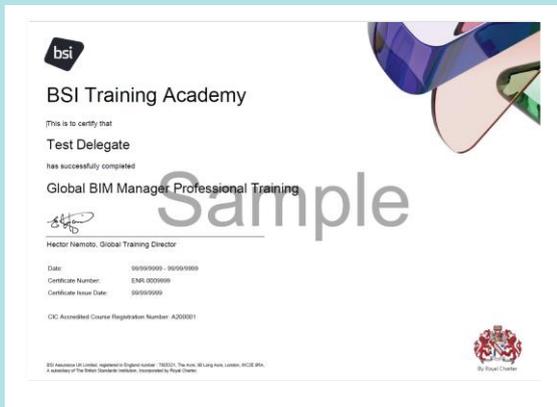
Topic	How this will help you
<ul style="list-style-type: none">• Definition and Design Stage• Construction Stage• Handover Stage• Operations and Maintenance Stage	<ul style="list-style-type: none">• Understand the basic principles, processes and procedures of BIM• Execute the core principles and achieve Level 2 BIM in your projects• Assess the supply chain to see if they have the skills and knowledge to deliver BIM• Create and use documents such as the BIM Protocol, BIM Execution Plan (BEP) and the Master Information Delivery Plan (MIDP)• Gain a better understanding of the relationship between design, construction, facilities, asset management to provide better solutions for your clients• Know what to look for when being appointed and how BIM affects your contracts

Day 5 - BIM Review and Assessment

Topic	How this will help you
<ul style="list-style-type: none">• Activities• Assessment	<ul style="list-style-type: none">• Identify the key benefits of implementing BIM• Understand how to effectively embed BIM processes within your business• Develop a plan and determine the resources required for implementation• Apply industry good practice across your supply chain• Discover a variety of strategic and technical solutions from implementing BIM• Create a change management programme in line with BIM• Analyse and dissect the barriers to BIM in relation to building and construction



Certificate



Notes: Trainees will be granted training certificate issued by BSI upon completion of the course and passing the examination.

Training Details

Duration: 5 days, (09:30 – 18:30)

Venue: 23/F, Cambridge House, TaiKoo Place, 979 King's Road, Island East, Hong Kong

Passing Requirements

Passing requirement for the full course: 60% of the total score

- 25% of the daily workshop
- 25% of the assignment
- 50% of the examination

Exam lower than 60% of the total score will be regarded as Fail.

One time (only) re-take of the exam can be arranged, Fee: HKD 500.

Enrolment



<https://bit.ly/2WN3Kbk>

Find out more

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Email: hk@bsigroup.com

Visit: <https://www.bsigroup.com/en-HK/>