

**BDN (M)**

**BUILDING INFORMATION MODELLING (BIM) DATA MANAGEMENT COURSE**

建築信息模擬數據管理課程

Throughout the course users will learn how to manage the data in Common Data Environment (CDE). The CDE comprises BIM Data Staging and BIM Collaboration platforms.

Lecturer 講師	Professionals 專業人士
Medium of Instruction 授課語言	Cantonese 廣東話
Mode of Attendance 授課形式	Part-time day course 日間部份時間制 : 14:00-18:30
Duration 授課期	4.5 hours x 2 sessions 4.5小時 x 2堂
Commencing & course date 開課及上課日期	13/6, 20/6 (Wednesday 星期三)
Venue 上課地點	CIC, HKIC Kowloon Bay Campus, 44 Tai Yip Street, Kowloon Bay, Kowloon 九龍 九龍灣大業街 44 號 建造業議會香港建造學院 九龍灣院校
Admission Requirements 入學條件	Basic knowledge with hands-on experience in Revit is preferable. 具備基本的Revit知識及操作經驗更佳。
Award of Certificate 證書頒發	1) Completion certificate - Attended all sessions, submitted course work and attained the passing requirements. 2) Certificate of attendance - Attended all sessions.  1) 結業證書 – 出席整個課程，提交作業並達到要求。 2) 聽講證書 – 出席整個課程。
Course Fee 課程費用	\$4,000.00
Enquiry 查詢課程	2100 9000 warrenng@cic.hk
Application Form 報名表格	Please use the 'BDN' course application form 請使用印有「BDN」之報名表

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<p><b>Course Content</b> <b>課程內容</b></p>
<p><b>Introduction to BIM Data Management</b></p> <p>BIM is an Information Modelling process. During the course, users will learn how to design their non-graphical data schema, data binding with BIM and issue tracking by BIM Collaboration Format (BCF) technology.</p>
<p><b>BIM Viewer Function &amp; Practice</b></p> <p>Rather than using an expensive software in viewing the BIM models. There are many free BIM viewers available in the market. Users will learn how to use these free BIM viewers to view the BIM model (in Industry Foundation Class (IFC) format) and its object properties.</p> <ul style="list-style-type: none"> <li>- BIM Viewer: BIM Vision</li> <li>- BIM Viewer practice and usage</li> <li>- Perform the data binding on BIM with asset (asset code, location code, O&amp;M manual ....etc.)</li> </ul>
<p><b>Introduction of Dynamo &amp; Practice</b></p> <p>Dynamo software will be used as an example to extend the usage of BIM by accessing the data and logic environment using a graphical algorithm editor.</p> <p>This session will demonstrate the data import / export in Revit by Dynamo so that the data can be stored in a separate location (e.g. Excel worksheet) and connect with other systems by Globally Unique Identifier, GUID.</p> <p>Users will learn how to use Dynamo visual programming importing data to model in Revit.</p>
<p><b>Common Data Environment (CDE)</b></p> <p>CDE is an 'environment' rather than a tool. It is made to enable data integration with other platforms and data sharing among the team. Throughout a project's life, users and other team members will need to store, manage and exchange complex information.</p> <p>The BIM data staging platform is a digitally shared workspace where everyone involved in the project will store and exchange asset data in the server.</p>
<p><b>BIM Collaboration by BCF</b></p> <p>BIM Collaboration Format (BCF) is intended to simplify collaboration between different parties working on BIM by allowing them to raise issues, provide answers and make comments. It provides a communication capability that is separated from the model itself. Issues and comments, which can be enriched by screen-shots and view point sharing.</p>
<p><b>BIM Applications</b></p> <p>At the end of the construction, users need to deliver the required construction data to their client. This includes an as-built Asset Information Model which is developed through the stages of the information delivery cycle. This model will</p>

include all of the necessary information for those managing and maintaining the building to do so more efficiently. A data binding process is introduced for different platforms integration.