



建造專業
進修院校

SCHOOL OF
PROFESSIONAL
DEVELOPMENT IN
CONSTRUCTION



香港
建造
學院

HONG KONG
INSTITUTE
OF
CONSTRUCTION

DTCE

CIC Master Class on Digital Twin and Common Data Environment

建造業議會大師級培訓課程：數碼分身及共通數據環境

This programme aims to cultivate industry professionals' managerial competencies across the full spectrum of practical applications related to Digital Twin and Common Data Environment technologies and equip them to embrace the new era of digital transformation within the construction industry.

Lecturer 講師	Professionals 專業人士
Medium of Instruction 授課語言	Cantonese (supplemented with English technical terms) and/or English 廣東話輔以英文專業術語或英語
Study Mode 課程制式	Part-time day course 日間部份時間制
Duration 授課期	21 hours 21小時
Venue 上課地點	HKIC, Kowloon Bay Campus, 44 Tai Yip Street, Kowloon Bay, Kowloon 九龍 九龍灣大業街 44 號 香港建造學院 九龍灣院校
Admission Requirements 入學條件	<ul style="list-style-type: none">• Holder of a bachelor's degree in an architectural, engineering or construction-related discipline, OR• Being a member of professional institution in an architectural, engineering or construction-related discipline at member level or above; OR• Should be involved/to be involved in Digital Twin and/or Common Data Environment related projects, with at least 5 years working experience in construction industry AND nominated by the employer.
Award of Certificate 證書頒發	Students must fulfil the following requirements to be considered as having successfully completed the programme and to receive the Completion Certificate: (i) Achieved 85% attendance rate (i.e. absence for a maximum of 3 hours) (ii) Passed the Integrated Group Project and Presentation (i.e. 50 marks or above).
Course Fee 課程費用	\$6,830.00
Enquiry 查詢課程	2100 9000 / 3199 7217 / 2100 9809
Application Method 報名方法	Please apply online on SPDC portal 請透過建造專業進修院校的 網上報名系統 報名



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Course Content 課程內容
1. Strategic Implementation of Common Data Environment and Digital Twin <ul style="list-style-type: none">• Values of Common Data Environment (CDE) and Digital Twin (DT)• Innovation, transformation & leadership• Data standardisation and smart data sharing
2. Common Data Environment and Digital Twin Fundamentals <ul style="list-style-type: none">• Overview of Common Data Environment (CDE) and Digital Twin (DT) framework & methodology• How can we start?• Key considerations for implementation• Strategic improvement drivers• Managing project information with digital platform
3. Common Data Environment and Digital Twin Digital Planning and Design <ul style="list-style-type: none">• City Information Modelling (CIM) and Integrated Common Data Environment (CDE) for smart urban planning• Technology leading design quality at one excellence• Managing project information with digital platform• Role play exercise (Architect/ Consultants) upload, review and share documents process
4. Common Data Environment and Digital Twin for Construction <ul style="list-style-type: none">• Innovation in construction• Application and challenges• Case studies
5. Common Data Environment and Digital Twin for Digital Operation and Maintenance Implementation <ul style="list-style-type: none">• Innovation in asset management• Application and challenges• Case studies
6. Site Visit <ul style="list-style-type: none">• Gain first-hand experience and insights from exemplar project leaders and construction leaders
7. Integrated Group Project (Capstone Presentation and Concluding Remarks) <ul style="list-style-type: none">• Group Presentation on Common Data Environment (CDE) & Digital Twin (DT) business case proposal with feedback from experts