



E-LEARNING

100% online. May include pre-recorded session, live streaming/webinar and discussion forum, where applicable.

ONLINE WEBINAR LEARNING:

Date: 18 & 19 Oct 2023

Time: 9.00am to 6.00pm

MCQ ASSESSMENT:

Date: 20 Oct 2023

Time: 10.00am to 11.00am

PLATFORM: BCAA Learning Management System (LMS)

FEE (incl of GST): S\$690.00

CPD POINTS

BOA-SIA: -

PEB: -

SCEM: -

SGBC-GMAP: -

Certification Course on

Efficient Building Envelope Design, ETTV and RETV

INTRODUCTION

As building envelope separates the indoor space from the external environment, it is one of the key factors that impacts building energy consumption and occupants' thermal comfort. Hence, prudent selection and application of façade systems are crucial to enhance the thermal building performance of building envelopes.

LEARNING OUTCOMES

This course aims to equip industry practitioners with knowledge to design energy-efficient building envelope systems, as well as the compliance requirements of envelope thermal performance standards as prescribed in the Building Regulations; with reference to the 'Code of Envelope Thermal Performance for Buildings'.

At the end of the course, participants will be able to:

- Determine the key considerations in designing energy-efficient building envelope and optimising the use of natural daylighting;
- Evaluate and compute Envelope Thermal Transfer Value (ETTV) & Residential Envelope Transmittance Value (RETV) values against prevailing criteria; and
- Analyse results and determine strategies to improve the overall façade performance.

TARGET AUDIENCE

Industry practitioners who are keen to embark on Green Mark journey or play the role of a Green Specialist; e.g. Developers, Building Owners, Architects, Engineers, Consultants, Project Managers, Facility Managers etc.

LECTURER

MATHIEU MEUR is the Director (Technical) of DP Architects Pte Ltd where he leads mega-projects and spearheads technical innovation. Passionate about sharing his knowledge and skills with others, he is a frequent speaker at conferences, writes for technical publications, and has been lecturing on building façade since 2002. Mathieu is also a Senior Member of the Institution of Engineers of Singapore since 2004 and a fellow of the Society of Façade Engineering from United Kingdom since 2010.

ASSESSMENT AND AWARD

An e-Certificate of Successful Completion (e-CSC) will be issued to participants who:

- Achieve at least 75% class attendance; and
- Pass MCQ test and group project assignment.

For information on the Green Mark Professional Qualification Scheme administered by the Singapore Green Building Council, please visit <https://gmap.sgbc.online/public/about>



REGISTRATION

To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/> Login or scan QRcode and search for course code **71929**