

Certification Course on

Building Performance Simulation

INTRODUCTION

Energy modelling is an integrated approach that provides a good gauge of the energy consumption of the building, identifies energy efficiency opportunities and gives an indication of how a building is going to operate. In line with the BCA Green Mark 2021 (GM:2021), higher-tier Green Mark certifications are required to demonstrate energy savings through energy modeling.

LEARNING OUTCOMES

This course aims to equip industry practitioners with knowledge to conduct building performance simulations as well as identify strategies to enhance the overall energy efficiency of buildings.

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

- Apply GM: 2021 requirements and prevailing standards to evaluate the energy performance of a building;
- Perform modelling simulations on various aspects such as thermal comfort, passive and active design options etc.; and
- Analyse results and determine strategies to improve the overall energy performance of a building.

KEY LECTURER

YONG PING QUEN is a Technical Director & Co-Partner of Building System and Diagnostics Pte Ltd and has more than 15 years of experience in the advisory of energy and environmentally efficient green buildings. He is personally involved in more than 400 large developments in Singapore, Malaysia, China, Indonesia and India, many of these targeted Energy and Environmentally sustainable awards such as Green Mark, LEED and GBI certifications. Other than new buildings, Ping Quen also specialises in the energy reviews and energy optimisation of existing buildings.

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 project assignments.

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



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 **80053**



DETAILS

Date: 13, 14 & 17 Apr 2023

Time: 9.00am to 6.00pm

Venue: BCA Braddell Campus

FEE (incl GST): S\$1,300.00

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.

CPD POINTS

BOA-SIA: -

PEB: -

SCEM: -

SGBC-GMAP: -