



## E-LEARNING

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

### ONLINE WEBINAR LEARNING:

**Date:** Oct 2023

**Time:** 9.00am to 6.00pm/9.00am to 3.30pm

**Platform:** BCAA Learning Management System (LMS)

### FACE-TO-FACE MCQ ASSESSMENT:

**Date:** Oct 2023

**Time:** 9.00am to 10.00am

**Venue:** TBA

### FACE-TO-FACE LEARNING JOURNEY:

**Date:** Oct 2023

**Time:** 10.30am to 12.30pm

**Venue:** TBA

**FEE** (incl of GST): S\$921.00

### 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: -

## Certification Course on

# Driving Energy Performance in Super Low Energy (SLE) Buildings

### INTRODUCTION

Under the Singapore Green Building Masterplan (SGBMP), more ambitious targets to green the Built Environment sector has been set. The Masterplan, dubbed "80-80-80 in 2030" captures our collective commitment to pursue more ambitious standards in our Built Environment to meet global climate change commitments. It targets greening 80% of Singapore's buildings by Gross Floor Area (GFA) by 2030, 80% of new developments (by GFA) to be Super Low Energy (SLE) buildings from 2030, and 80% improvement in energy efficiency to best-in-class green buildings by 2030. As such, the BCA Green Mark 2021 (GM: 2021) places stronger focus on outcome-based indicators, covers wider sustainability issues and introduces a new SLE energy efficiency standards for residential buildings.

### LEARNING OUTCOMES

This course aims to keep professionals abreast on the raising standards in energy performance of our built environment as well as the latest GM:2021 requirements to achieve SLE building standards. Industry practitioners will be equipped with knowledge to design and adopt innovative energy solutions towards an integrative and sustainable urban system.

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

- Apply GM: 2021 requirements to achieve SLE building standards;
- Determine sustainable strategies and technologies that could push the energy efficiency envelope to mainstream SLE buildings; and
- Apply best practices in the implementation of key technologies towards achieving SLE buildings.

### LECTURERS

**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.

**DR. STEFANO SCHIAVON** is Associate Professor of Architecture and Civil and Environmental Engineering at UC Berkeley and Associate Director of Centre for Environmental Design Research. His research is focused on finding ways to reduce energy consumption in buildings while improving occupant health, well-being and productivity. Dr. Stefano has also received the 2010 REHVA Young Scientist Award and 2013 ASHRAE Ralph Nevins Physiology and Human Environment Award.

**ER. TAY CHER SENG** is the Managing Director of Natflow Pte Ltd. He is a practicing Professional Engineer who provides energy saving solutions for sustainable developments. His 30-year career includes experiences with the authorities, private enterprises, and multinationals. His specialised areas include waste heat recovery, desalination, passive cooling systems and thermal energy storage systems. Besides, his work in promoting sustainability has won him many accolades, including his role in two ASEAN Energy Awards, and the BCA-SGBC Green Innovator Award.

### 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 **80085**