



E-LEARNING

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

DATE: 15 Jun 2021

DURATION: 1 Day

TIME: 9.00am to 5.30pm

DELIVERY MODE: e-learning via webinar and BCAA Learning Management System (LMS)

FEES (incl of GST): S\$500.00

AWARD

e-Certificate of Attendance (e-COA) will be awarded to participants who meet the attendance requirement.

CPD POINTS

PEB: -

SCEM-CPD: -

Sustainable Hot Water & Heat Recovery Systems

INTRODUCTION

The course aims to increase the awareness of the safety issues and unpleasant experience and affinity to traditional hot water solutions, and will help the participants to better understand the different types of hot water systems and explaining the financial calculation require to justify the adoption of a sustainable system. The participants will learn to design energy efficient hot water distribution and heat recovery system.

CONTENTS

- **FUNDAMENTAL TO HOT WATER SYSTEMS**
- **WATER DISTRIBUTION SYSTEM IN BUILDINGS**
 - SS CP 48 for Water Services
 - Hot Water Distribution
 - Hot Water Conservation
- **HEAT RECOVERY SYSTEMS**
 - Air Source Heat Recovery Systems
 - Water source Heat Recovery Systems
 - Safety and Reliability
- **BUSINESS AND ENVIRONMENTAL IMPACT**
 - Comparison of different types of Hot Water Systems and understanding their impact on business and environment
- **CASED STUDIES**
 - Hospital Case Study
 - Hotel Case Study

LECTURER

ER TAY CHER SENG is a Managing Director in Natflow Pte Ltd. He is a mechanical engineer by training and has been in professional practice for over 20 years. He has worked as an engineer in a statutory board, as a manager in a publicly-listed company and as a managing director in a German-owned MNC. He is currently the Managing Director of Natflow Pte Ltd. His current areas of interest include waste heat recovery, desalination, passive cooling systems and thermal energy storage systems. He has provided energy saving solutions for many buildings in Singapore and Asia.

TARGET AUDIENCE

Engineers, Project Managers, Energy Managers and Facility Managers working for Developers, Building Owners, M&E consultancy firms, ESCOs and other stakeholders who are interested in and/or responsible for implementing waste heat recovery projects in buildings.

This course is one of the elective modules under the Certification Course for:

- Green Mark Advanced Accredited Professional [GMAAP]; and
- Green Mark Advanced Accredited Professional (Facilities Management) [GMAAPFM]



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 **77085**