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**SGBC Industry Course:  
Understanding Life Cycle Assessment for Building Projects**

9:00AM to 5:00PM | 22 May 2025 | Instructor-Led In-Person Course



Carbon emissions are a critical metric for understanding and reducing the environmental impact of buildings. Built environment professionals and practitioners are increasingly being required to conduct life cycle assessments (LCA) to quantify the carbon impact building design and retrofit decisions.

As part of the [SGBC Carbon Essentials Course Series](#), the course will provide an overview of embodied carbon emissions and an understanding of a building's LCA through the One Click LCA carbon assessment platform. It will also discuss the role of environmental product declarations (EPD) in material selection and building LCA. Participants will have the opportunity to use the One Click LCA tool with hands-on exercises to conduct LCA of building projects and gain a deeper understanding of potential decarbonisation opportunities.

**Learning Objectives:**

- Understand embodied carbon emissions and a building's life cycle assessment (LCA)
- Appreciate the role of EPDs and the application of EPD on sustainable buildings
- Receive hands-on training using the One Click LCA platform to conduct building LCA for the Green Mark scheme and identify potential decarbonisation opportunities
- Learn how to compare and select building materials for their impact on a building's carbon performance

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## COURSE INFORMATION

### Course Details

Date: 22 May 2025

Time: 9:00AM - 5:00PM

Venue: Singapore Sustainability Academy

### Fees (Incl. GST)

SGBC Member:

\$425.10

GMA/GMAP/GMAAP:

\$425.10

Non-Member: \$545

### CPD Points

SGBC-GMP: Pending

*\*CPD Accreditation with other Professional Bodies is being sought.*

## TRAINER INFORMATION



**Raymond Chan**

**Business Development Engineer, APAC  
One Click LCA**

Raymond is the Business Development Engineer for One Click LCA in the APAC region.

He is a chartered mechanical engineer (IMechE) with extensive experience in sustainability, energy, and embodied carbon.

Prior to joining One Click LCA, Raymond was a chartered consultant at Arup Hong Kong and was involved in a number of high-profile projects across APAC region.

[More about the Trainer >](#)

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Singapore Green Building Council Block H #02-04, BCA Braddell Campus 200 Braddell Road Singapore 579700 Singapore

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