

CRADLE TO CRADLE PRINCIPLE WITH LIFE CYCLE ASSESSMENT

6 CPD Hours EIMAS
(EIMAS/2024/CPD0281/MFA)
6 CPD Hours MBOT



20 June 2024
8.30 am - 5.00 pm



ENSEARCH Training Centre,
Petaling Utama Avenue

OVERVIEW:

Cradle to cradle, do not let old products go to waste. Instead, a product's materials and components are repurposed or recycled. This keeps materials "in the economic loop" and saves energy during production. The "circular economy" received increasing international attention since 2010. Its main purpose: revolutionize how materials are used in our economy. This is where the model 'cradle to cradle' emerged as the ideal for products' life cycles. Cradle to cradle is usually associated with the design principle and methodology created in 2001 by Professor Michael Braungart and William McDonough. Its's abbreviation is C2C. This design approach is accompanied by a sustainability label for products that are C2C designed and certified. However, cradle-to-cradle is also applied in the scientific method of Life Cycle Assessment (LCA). Which is what we discuss in this blog.

OBJECTIVES:

- To provide a clear understanding of the principles of the Cradle to Cradle framework and how it differs from the Cradle to Grave
- Identifying the benefits of Cradle to Cradle design by learning about the environmental, economic, and social benefits of Cradle to Cradle design, including reduced waste, increased resource efficiency, and improved human health and well-being.
- Exploring the different applications of Cradle to Cradle design from various applications of Cradle to Cradle design in different industries, such as fashion, architecture, and product design.
- Understanding the role of stakeholders in Cradle to Cradle design. Participants will gain insights into the importance of engaging all stakeholders in the Cradle to Cradle design process, including manufacturers, suppliers, customers, and policymakers.
- Learning how to apply Cradle to Cradle principles in practice The course will provide practical examples and case studies of Cradle to Cradle design in action, helping participants to apply the principles in their own work or personal projects.



- Member = RM1100
- Non-Member = RM1400
- New Individual Membership + Training Fee = RM1250
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TRAINER'S PROFILE:



Dr Maran Kaliannan is a Certified HRDF Trainer, with 15 years of research, teaching, training, and consulting experience.

Dr Maran has 15 years of experience in Environmental, Health, & Safety (EHS) positions. He is currently a Head of EHS Department as well as a Senior Health & Safety Officer. He also holds Training Competency Certificates for NIOSH, Basic Scaffolding (Frame/Tubular/Modular), Safety Induction for Construction Workers (SICW), and CePSWaM.

TENTATIVE PROGRAMME

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| 8.30 am | Registration |
| 9.00 am | Introduction & Paradigm Shift Cradle-to-Grave to Cradle-to-Cradle |
| 10.30 am | Tea Break |
| 10.45 am | Importance of Cradle-to-Cradle |
| 11.15 am | Discussion on Examples of Cradle to Cradle Design & Life Cycle Assessment |
| 1.00 pm | Lunch Break |
| 2.00 pm | Hazardous Waste Management Relates to Cradle-to-Cradle |
| 2.45 pm | Stakeholders Role in Cradle-to-Cradle |
| 3.30 pm | Tea Break |
| 3.45 pm | Group Discussion & Presentation |
| 4.45 pm | Q & A Session |
| 5.00 pm | End of Day 1 |



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