Garnet
GLOBAL TRAINING CENTER

GGT-GB-117
Course brochure

Green Buildings, LEED & Sustainable Design

Embodied Carbon & Life Cycle Assessment of Buildings

الكربون المتجسد وتقييم دورة حياة المباني

Duration	Format	Language	Level
5 days (35 h) or 10 days (70 h)	**Classroom / online / in-house**	**English or Arabic**	**Intermediate**

Overview

Embodied Carbon & Life Cycle Assessment of Buildings is a practical Green Buildings, LEED & Sustainable Design program. Measure and reduce embodied carbon with whole-building LCA, EPDs and low-carbon material choices. Every day pairs short theory sessions with hands-on exercises on real data and case studies, so participants leave with methods and templates they can use at work straight away. Join a public session in one of 20 cities or live online, in English or Arabic, or run it in-house with examples from your own projects.

What you will be able to do

- Apply embodied vs operational carbon at work.
- Apply LCA methods and EN 15978 stages at work.
- Apply EPDs and material data at work.
- Apply low-carbon concrete, steel and design strategies at work.
- Apply LCA for LEED MR credits at work.

Who should attend

Architects, engineers, sustainability consultants, facility managers, contractors and developers working on green buildings.

5-day outline

Day 1 — **Embodied vs operational carbon**
- Concepts, methods and standards
- Hands-on exercise

Day 2 — **LCA methods and EN 15978 stages**
- Worked examples from real projects
- Practical workshop

Day 3 — **EPDs and material data**
- Tools, templates and best practice
- Case study and group discussion

Day 4 — **Low-carbon concrete, steel and design strategies**
- Concepts, methods and standards
- Hands-on exercise

Day 5 — **LCA for LEED MR credits**
- Worked examples from real projects
- Capstone exercise and action plan

10-day option: adds Advanced methods and tools, Industry case studies, Integration with other systems and data, Quality, standards and governance, Capstone project and presentation.

Fees per participant

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house at your premises	**Quotation per group**

Fees exclude VAT and include materials and the certificate of completion; classroom fees include lunch and refreshments.

Certificate

Certificate of completion stating 35 or 70 contact hours for participants who attend at least 90% of sessions and pass the final assessment.

Upcoming sessions

Dates	Format	City	Language
25–29 Jan 2027	5-day classroom	Kuala Lumpur	English
15–19 Mar 2027	5-day classroom	Amsterdam	English
4–15 Apr 2027	10-day classroom	Doha	English
26–30 Apr 2027	5-day online	Live online	English
16–20 Jan 2028	5-day classroom	Kuwait City	Arabic
2–6 Apr 2028	5-day classroom	Riyadh	English

Full schedule to 2030 on the course page. We can also run it on your dates, in your city or in-house.

Register or ask
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