Garnet
GLOBAL TRAINING CENTER

GGT-GB-114
Course brochure

Green Buildings, LEED & Sustainable Design

Building Energy Modelling for LEED (ASHRAE 90.1 Appendix G)

النمذجة الطاقية للمباني لأغراض LEED (ASHRAE 90.1 الملحق G)

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

Overview

Building Energy Modelling for LEED (ASHRAE 90.1 Appendix G) is a practical Green Buildings, LEED & Sustainable Design program. Build baseline and proposed energy models to ASHRAE 90.1 Appendix G and document LEED energy credits. 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 energy modelling concepts and software at work.
- Apply weather, envelope and internal loads at work.
- Apply HVAC system modelling at work.
- Apply appendix G baseline and performance rating at work.
- Apply LEED EA documentation and review comments at work.

Who should attend

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

5-day outline

Day 1 — **Energy modelling concepts and software**
- Worked examples from real projects
- Practical workshop

Day 2 — **Weather, envelope and internal loads**
- Tools, templates and best practice
- Case study and group discussion

Day 3 — **HVAC system modelling**
- Concepts, methods and standards
- Hands-on exercise

Day 4 — **Appendix G baseline and performance rating**
- Worked examples from real projects
- Practical workshop

Day 5 — **LEED EA documentation and review comments**
- Tools, templates and best practice
- 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
3–7 May 2027	5-day classroom	Geneva	English
31 May – 4 Jun 2027	5-day classroom	Amsterdam	English
21 Jun – 2 Jul 2027	10-day classroom	London	English
19–23 Jul 2027	5-day online	Live online	Arabic
9–13 Jan 2028	5-day classroom	Doha	English
23–27 Jan 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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