Garnet
GLOBAL TRAINING CENTER

GGT-GB-124
Course brochure

Green Buildings, LEED & Sustainable Design · Rare specialisation

Building Energy Simulation with EnergyPlus and IES VE

محاكاة الطاقة في المباني باستخدام EnergyPlus وIES VE

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

Overview

Building Energy Simulation with EnergyPlus and IES VE is a practical Green Buildings, LEED & Sustainable Design program. Hands-on simulation of building energy, daylight and comfort with industry tools. 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 simulation workflow and geometry at work.
- Apply constructions, schedules and loads at work.
- Apply HVAC and plant modelling at work.
- Apply daylight and thermal comfort analysis at work.
- Apply results, calibration and reporting at work.

Who should attend

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

5-day outline

Day 1 — **Simulation workflow and geometry**
- Tools, templates and best practice
- Case study and group discussion

Day 2 — **Constructions, schedules and loads**
- Concepts, methods and standards
- Hands-on exercise

Day 3 — **HVAC and plant modelling**
- Worked examples from real projects
- Practical workshop

Day 4 — **Daylight and thermal comfort analysis**
- Tools, templates and best practice
- Case study and group discussion

Day 5 — **Results, calibration and reporting**
- Concepts, methods and standards
- 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
11–15 Jan 2027	5-day classroom	Paris	English
8–12 Feb 2027	5-day classroom	Kuala Lumpur	English
18–29 Jul 2027	10-day classroom	Muscat	Arabic
23–27 Aug 2027	5-day online	Live online	English
14–18 Feb 2028	5-day classroom	Dubai	English
5–9 Mar 2028	5-day classroom	Kuwait City	Arabic

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
WhatsApp +971 56 674 7382

training@garnettrainings.com
info@garnettrainings.com

garnettrainings.com
Sharjah Publishing City Free Zone, UAE