Garnet
Garnet Global Training Center

GGT-ES-113

Energy Transition, Sustainability & ESG | Rare specialisation | New from 2029

Small Modular Reactors & Nuclear Energy Basics

المفاعلات المعيارية الصغيرة وأساسيات الطاقة النووية

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Foundation**

Overview

This course builds a solid base in Small Modular Reactors & Nuclear Energy Basics, starting from first principles and moving quickly to the everyday tasks participants meet at work. Measure emissions, report credibly and plan the shift to cleaner energy and operations. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Explain the key concepts, terms and standards of Small Modular Reactors & Nuclear Energy Basics.
- Know when to escalate and who to involve.
- Communicate confidently with specialists and colleagues.
- Plan the next steps in your own learning.
- Recognise the main hazards, errors and misconceptions newcomers face.

Who should attend

Sustainability, energy, environment and strategy teams, engineers and reporting leads. No prior experience is required; it also suits new hires, graduates and staff moving into this field.

Key topics

- Emissions scopes and inventories
- Reporting frameworks: ISSB, GRI
- Energy efficiency measures
- Low-carbon technologies
- Climate risk and finance
- Net zero roadmaps

Formats and fees

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	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Introduction to Small Modular Reactors & Nuclear Energy Basics
- Net zero roadmaps
- Regional and international case studies

Day 2 Core concepts and terminology
- Emissions scopes and inventories
- Reporting frameworks: ISSB, GRI

Day 3 Basic methods and tools
- Energy efficiency measures
- Checklists and templates to take away

Day 4 Working safely and correctly
- Low-carbon technologies
- Group discussion and peer review

Day 5 Practical exercises and review
- Climate risk and finance
- Measurement and reporting

10-day outline

Day 1 Introduction to Small Modular Reactors & Nuclear Energy Basics
- Net zero roadmaps
- Regional and international case studies

Day 2 Core concepts and terminology
- Emissions scopes and inventories
- Reporting frameworks: ISSB, GRI

Day 3 Basic methods and tools
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- Group discussion and peer review

Day 5 Practical exercises and review
- Climate risk and finance
- Measurement and reporting

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Hands-on workshop on a workplace challenge

Day 7 Digital tools, data and automation
- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice
- Global performance benchmarks
- Common mistakes and how to avoid them

Day 9 Capstone project
- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates
- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
1–5 Jan 2029	5-day online	Live online	English	2,950
16–20 Apr 2029	5-day classroom	Amsterdam	English	4,750
10–14 Sep 2029	5-day classroom	Dubai	English	4,750
15–26 Oct 2029	10-day classroom	Istanbul	English	8,950
15–19 Apr 2030	5-day classroom	Dubai	English	4,750
12–16 Aug 2030	5-day classroom	Paris	English	4,750
6–17 Oct 2030	10-day classroom	Riyadh	Arabic	8,950
16–27 Dec 2030	10-day online	Live online	English	5,450

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/