Garnet
Garnet Global Training Center

GGT-MN-132

Mining, Metals & Cement

Cement Plant Energy Efficiency

كفاءة الطاقة في مصانع الأسمنت

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

Overview

Cement Plant Energy Efficiency turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Process, maintenance and safety programs for mines, smelters and cement plants. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Cement Plant Energy Efficiency to real tasks.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.

Who should attend

Process and maintenance engineers, plant managers and safety leads in heavy industry. Practitioners with one to five years of experience benefit most.

Key topics

- Process flow and mass balance
- Kilns, mills and crushers
- Wear, refractories and reliability
- Energy and fuel efficiency
- Dust, emissions and safety
- Quality control

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 Cement Plant Energy Efficiency: principles and standards

- Dust, emissions and safety
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Quality control
- Process flow and mass balance

Day 3 Diagnosis and problem solving

- Kilns, mills and crushers
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Wear, refractories and reliability
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Energy and fuel efficiency
- Checklists and templates to take away

10-day outline

Day 1 Cement Plant Energy Efficiency: principles and standards

- Dust, emissions and safety
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Quality control
- Process flow and mass balance

Day 3 Diagnosis and problem solving

- Kilns, mills and crushers
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Wear, refractories and reliability
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Energy and fuel efficiency
- Checklists and templates to take away

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Group discussion and peer review

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
- Measurement and reporting

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)
12–23 Apr 2027	10-day classroom	Amsterdam	English	8,950
3–7 May 2027	5-day online	Live online	English	2,950
13–17 Jun 2027	5-day classroom	Riyadh	English	4,750
6–10 Dec 2027	5-day classroom	Abu Dhabi	English	4,750
17–21 Jan 2028	5-day classroom	Kuala Lumpur	English	4,750
21–25 Feb 2028	5-day classroom	Paris	English	4,750
21 Aug – 1 Sep 2028	10-day online	Live online	Arabic	5,450
17–28 Sep 2028	10-day classroom	Kuwait City	English	8,950
4–8 Mar 2029	5-day classroom	Riyadh	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
15–19 Oct 2029	5-day online	Live online	Arabic	2,950
12–23 Nov 2029	10-day classroom	Istanbul	English	8,950
10–14 Dec 2029	5-day classroom	Casablanca	Arabic	4,750
13–17 Jan 2030	5-day classroom	Manama	Arabic	4,750
18 Feb – 1 Mar 2030	10-day classroom	Vienna	English	8,950
3–7 Jun 2030	5-day classroom	Geneva	English	4,750
4–15 Nov 2030	10-day online	Live online	Arabic	5,450

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