Garnet
Garnet Global Training Center

GGT-MN-122

Mining, Metals & Cement

Drilling & Blasting in Mining

الحفر والتفجير في المناجم

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

Overview

Drilling & Blasting in Mining focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Process, maintenance and safety programs for mines, smelters and cement plants. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Apply the methods and standards of Drilling & Blasting in Mining to real tasks.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.

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 Drilling & Blasting in Mining: principles and standards

- Process flow and mass balance
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Kilns, mills and crushers
- Wear, refractories and reliability

Day 3 Diagnosis and problem solving

- Energy and fuel efficiency
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Dust, emissions and safety
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Quality control
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Drilling & Blasting in Mining: principles and standards

- Process flow and mass balance
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Kilns, mills and crushers
- Wear, refractories and reliability

Day 3 Diagnosis and problem solving

- Energy and fuel efficiency
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Dust, emissions and safety
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Quality control
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Common mistakes and how to avoid them

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
- Regional and international case studies

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)
18–29 Jan 2027	10-day classroom	Kuala Lumpur	English	8,950
8–12 Feb 2027	5-day classroom	Abu Dhabi	English	4,750
16–20 Aug 2027	5-day classroom	Dubai	English	4,750
20–24 Sep 2027	5-day online	Live online	English	2,950
16–27 Jan 2028	10-day classroom	Doha	English	8,950
10–21 Apr 2028	10-day online	Live online	Arabic	5,450
3–7 Jul 2028	5-day classroom	Istanbul	English	4,750
11–15 Sep 2028	5-day classroom	Kuala Lumpur	English	4,750
1–5 Jan 2029	5-day classroom	Amsterdam	English	4,750

Dates	Format	City	Language	Fee (USD)
12–16 Feb 2029	5-day online	Live online	English	2,950
13–17 Aug 2029	5-day classroom	Dubai	English	4,750
14–25 Oct 2029	10-day classroom	Riyadh	Arabic	8,950
3–7 Mar 2030	5-day classroom	Riyadh	Arabic	4,750
15–26 Apr 2030	10-day classroom	Vienna	English	8,950
12–23 Aug 2030	10-day online	Live online	Arabic	5,450
8–12 Sep 2030	5-day classroom	Kuwait City	Arabic	4,750

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