Garnet
Garnet Global Training Center

GGT-MN-129

Mining, Metals & Cement

Copper & Gold Processing

معالجة النحاس والذهب

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

Overview

Participants in Copper & Gold Processing practise the methods, tools and standards they need to perform reliably and solve problems on the job. 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 Copper & Gold Processing 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 Copper & Gold Processing: principles and standards
- Kilns, mills and crushers
- Regional and international case studies

Day 2 Methods and tools in practice
- Wear, refractories and reliability
- Energy and fuel efficiency

Day 3 Diagnosis and problem solving
- Dust, emissions and safety
- Checklists and templates to take away

Day 4 Quality, safety and documentation
- Quality control
- Group discussion and peer review

Day 5 Workshop, assessment and action plan
- Process flow and mass balance
- Measurement and reporting

10-day outline

Day 1 Copper & Gold Processing: principles and standards
- Kilns, mills and crushers
- Regional and international case studies

Day 2 Methods and tools in practice
- Wear, refractories and reliability
- Energy and fuel efficiency

Day 3 Diagnosis and problem solving
- Dust, emissions and safety
- Checklists and templates to take away

Day 4 Quality, safety and documentation
- Quality control
- Group discussion and peer review

Day 5 Workshop, assessment and action plan
- Process flow and mass balance
- 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)
4–15 Jan 2027	10-day classroom	Amsterdam	English	8,950
15–19 Mar 2027	5-day online	Live online	Arabic	2,950
19–23 Jul 2027	5-day classroom	Paris	English	4,750
1–5 Nov 2027	5-day classroom	Abu Dhabi	Arabic	4,750
17–21 Jan 2028	5-day classroom	Abu Dhabi	Arabic	4,750
21 Feb – 3 Mar 2028	10-day classroom	Casablanca	Arabic	8,950
20–31 Mar 2028	10-day online	Live online	English	5,450
8–12 May 2028	5-day classroom	Dubai	English	4,750
8–12 Jan 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
12–16 Mar 2029	5-day classroom	Dubai	Arabic	4,750
9–13 Apr 2029	5-day classroom	Geneva	English	4,750
20–31 May 2029	10-day classroom	Riyadh	Arabic	8,950
1–12 Apr 2030	10-day classroom	Kuala Lumpur	English	8,950
9–13 Jun 2030	5-day classroom	Amman	Arabic	4,750
7–11 Jul 2030	5-day classroom	Kuwait City	English	4,750
11–22 Nov 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/