Garnet
Garnet Global Training Center

GGT-WN-116

Inspection, Welding & NDT

Positive Material Identification & Hardness Testing

التعرف على المواد واختبار الصلادة

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

Overview

Participants in Positive Material Identification & Hardness Testing practise the methods, tools and standards they need to perform reliably and solve problems on the job. Inspection and welding programs aligned with international codes, from technician to lead inspector. 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 Positive Material Identification & Hardness Testing 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

Inspectors, welding engineers and supervisors, NDT technicians and QA/QC staff. Practitioners with one to five years of experience benefit most.

Key topics

- Codes: ASME, API, AWS
- Welding processes and metallurgy
- NDT methods and acceptance criteria
- Inspection planning
- Defect assessment
- Reports and documentation

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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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 Positive Material Identification & Hardness Testing: principles and standards
- Defect assessment
- Checklists and templates to take away

Day 2 Methods and tools in practice
- Reports and documentation
- Codes: ASME, API, AWS

Day 3 Diagnosis and problem solving
- Welding processes and metallurgy
- Group discussion and peer review

Day 4 Quality, safety and documentation
- NDT methods and acceptance criteria
- Measurement and reporting

Day 5 Workshop, assessment and action plan
- Inspection planning
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Positive Material Identification & Hardness Testing: principles and standards
- Defect assessment
- Checklists and templates to take away

Day 2 Methods and tools in practice
- Reports and documentation
- Codes: ASME, API, AWS

Day 3 Diagnosis and problem solving
- Welding processes and metallurgy
- Group discussion and peer review

Day 4 Quality, safety and documentation
- NDT methods and acceptance criteria
- Measurement and reporting

Day 5 Workshop, assessment and action plan
- Inspection planning
- 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)
12–16 Apr 2027	5-day online	Live online	Arabic	2,950
5–9 Sep 2027	5-day classroom	Kuwait City	Arabic	4,750
4–15 Oct 2027	10-day classroom	Singapore	English	8,950
7–11 Nov 2027	5-day classroom	Cairo	Arabic	4,750
17–21 Apr 2028	5-day classroom	Dubai	Arabic	4,750
1–5 May 2028	5-day classroom	London	English	4,750
17–28 Jul 2028	10-day online	Live online	Arabic	5,450
20 Nov – 1 Dec 2028	10-day classroom	Abu Dhabi	English	8,950
2–6 Apr 2029	5-day classroom	Dubai	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
4–15 Jun 2029	10-day classroom	Abu Dhabi	Arabic	8,950
9–13 Jul 2029	5-day online	Live online	Arabic	2,950
10–14 Dec 2029	5-day classroom	Geneva	English	4,750
8–19 Apr 2030	10-day classroom	Kuala Lumpur	English	8,950
15–26 Jul 2030	10-day online	Live online	English	5,450
15–19 Sep 2030	5-day classroom	Riyadh	English	4,750
7–11 Oct 2030	5-day classroom	Amsterdam	English	4,750

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