Garnet
Garnet Global Training Center

GGT-WN-106

Inspection, Welding & NDT **Rare specialisation**

Phased Array & TOFD

الفحص بالمصفوفة المرحلية و TOFD

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

Overview

Participants in Phased Array & TOFD 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. 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

- Apply the methods and standards of Phased Array & TOFD 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 Phased Array & TOFD: principles and standards
- Defect assessment
- Regional and international case studies

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

Day 3 Diagnosis and problem solving
- Welding processes and metallurgy
- Checklists and templates to take away

Day 4 Quality, safety and documentation
- NDT methods and acceptance criteria
- Group discussion and peer review

Day 5 Workshop, assessment and action plan
- Inspection planning
- Measurement and reporting

10-day outline

Day 1 Phased Array & TOFD: principles and standards
- Defect assessment
- Regional and international case studies

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

Day 3 Diagnosis and problem solving
- Welding processes and metallurgy
- Checklists and templates to take away

Day 4 Quality, safety and documentation
- NDT methods and acceptance criteria
- Group discussion and peer review

Day 5 Workshop, assessment and action plan
- Inspection planning
- 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)
15–26 Mar 2027	10-day classroom	Dubai	Arabic	8,950
11–15 Oct 2027	5-day online	Live online	Arabic	2,950
1–5 Nov 2027	5-day classroom	Abu Dhabi	Arabic	4,750
6–10 Dec 2027	5-day classroom	London	English	4,750
17–21 Apr 2028	5-day classroom	Geneva	English	4,750
1–5 May 2028	5-day classroom	Vienna	English	4,750
11–22 Jun 2028	10-day classroom	Riyadh	English	8,950
20 Nov – 1 Dec 2028	10-day online	Live online	Arabic	5,450
12–16 Feb 2029	5-day online	Live online	English	2,950
17–28 Jun 2029	10-day classroom	Cairo	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
9–13 Jul 2029	5-day classroom	Abu Dhabi	Arabic	4,750
16–20 Sep 2029	5-day classroom	Manama	Arabic	4,750
1–12 Apr 2030	10-day online	Live online	English	5,450
8–12 Jul 2030	5-day classroom	Abu Dhabi	Arabic	4,750
5–9 Aug 2030	5-day classroom	Casablanca	Arabic	4,750
9–20 Dec 2030	10-day classroom	Dubai	English	8,950

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