Garnet
Garnet Global Training Center

GGT-WN-128

Inspection, Welding & NDT

Damage Mechanisms to API 571

آليات التلف وفق API 571

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

Overview

Damage Mechanisms to API 571 focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Inspection and welding programs aligned with international codes, from technician to lead inspector. 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 Damage Mechanisms to API 571 to real tasks.
- 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.
- Diagnose common problems and identify root causes.

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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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 Damage Mechanisms to API 571: principles and standards

- NDT methods and acceptance criteria
- Group discussion and peer review

Day 2 Methods and tools in practice

- Inspection planning
- Defect assessment

Day 3 Diagnosis and problem solving

- Reports and documentation
- Measurement and reporting

Day 4 Quality, safety and documentation

- Codes: ASME, API, AWS
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Welding processes and metallurgy
- Common mistakes and how to avoid them

10-day outline

Day 1 Damage Mechanisms to API 571: principles and standards

- NDT methods and acceptance criteria
- Group discussion and peer review

Day 2 Methods and tools in practice

- Inspection planning
- Defect assessment

Day 3 Diagnosis and problem solving

- Reports and documentation
- Measurement and reporting

Day 4 Quality, safety and documentation

- Codes: ASME, API, AWS
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Welding processes and metallurgy
- Common mistakes and how to avoid them

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Regional and international case studies

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
- Checklists and templates to take away

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 Feb 2027	10-day classroom	Geneva	English	8,950
8–12 Mar 2027	5-day classroom	Abu Dhabi	Arabic	4,750
5–9 Apr 2027	5-day online	Live online	English	2,950
6–10 Sep 2027	5-day classroom	Dubai	English	4,750
14–25 Feb 2028	10-day online	Live online	Arabic	5,450
17–28 Apr 2028	10-day classroom	Singapore	English	8,950
6–10 Nov 2028	5-day classroom	Istanbul	English	4,750
11–15 Dec 2028	5-day classroom	Dubai	English	4,750
21 May – 1 Jun 2029	10-day classroom	Abu Dhabi	English	8,950

Dates	Format	City	Language	Fee (USD)
3–7 Jun 2029	5-day classroom	Manama	English	4,750
13–17 Aug 2029	5-day online	Live online	English	2,950
9–13 Sep 2029	5-day classroom	Riyadh	English	4,750
18–22 Mar 2030	5-day classroom	Casablanca	Arabic	4,750
7–11 Apr 2030	5-day classroom	Manama	English	4,750
17–28 Jun 2030	10-day classroom	Dubai	English	8,950
4–15 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/