



Hardness & Mechanical Testing: Practical Workshop

Welding, NDT & Materials

QGT-WLD-167 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Hardness & Mechanical Testing: Practical Workshop is a hands-on workshop built around exercises and real site problems in Hardness & Mechanical Testing. It covers the principles, the requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Hardness & Mechanical Testing
- Apply the relevant requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for welding engineers, inspectors, NDT technicians and materials specialists who want practice rather than theory.

Course outline (5 days)

Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

Day 3: Guided practice 2

Simulations and role-play based on Hardness & Mechanical Testing scenarios

Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
10–14 May 2027	Cape Town	Classroom	5 days	\$5,500
21 Jun – 2 Jul 2027	Copenhagen	Classroom	10 days	\$9,900
12–16 Jul 2027	Casablanca	Classroom	5 days	\$5,500
25 Oct – 5 Nov 2027	Singapore	Classroom	10 days	\$9,900
22–26 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
10–14 Jan 2028	Casablanca	Classroom	5 days	\$5,500
17–28 Jan 2028	Dublin	Classroom	10 days	\$9,900
23–27 Apr 2028	Jeddah	Classroom	5 days	\$5,500
26 Jun – 7 Jul 2028	Barcelona	Classroom	10 days	\$9,900
23–27 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
29 Jan – 2 Feb 2029	Lisbon	Classroom	5 days	\$5,500
2–13 Apr 2029	Edinburgh	Classroom	10 days	\$9,900
22–26 Apr 2029	Doha	Classroom	5 days	\$5,500
30 Apr – 11 May 2029	London	Classroom	10 days	\$9,900
6–10 Aug 2029	Online (live)	Online (live)	5 days	\$3,000
21–25 Jan 2030	Rome	Classroom	5 days	\$5,500
8–19 Apr 2030	Paris	Classroom	10 days	\$9,900
21–25 Jul 2030	Kuwait City	Classroom	5 days	\$5,500
12–23 Aug 2030	Budapest	Classroom	10 days	\$9,900
4–8 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/hardness-and-mechanical-testing-practical-workshop/>

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