



Heat Treatment of Metals: Practical Workshop

Welding, NDT & Materials

QGT-WLD-164 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Heat Treatment of Metals: Practical Workshop is a hands-on workshop built around exercises and real site problems in Heat Treatment of Metals. 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 Heat Treatment of Metals
- 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 Heat Treatment of Metals 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
7–11 Mar 2027	Muscat	Classroom	5 days	\$5,500
31 May – 11 Jun 2027	Athens	Classroom	10 days	\$9,900
23–27 Aug 2027	Copenhagen	Classroom	5 days	\$5,500
31 Oct – 11 Nov 2027	Riyadh	Classroom	10 days	\$9,900
22–26 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
3–7 Apr 2028	Manchester	Classroom	5 days	\$5,500
9–20 Apr 2028	Manama	Classroom	10 days	\$9,900
7–11 Aug 2028	Geneva	Classroom	5 days	\$5,500
16–27 Oct 2028	Kuala Lumpur	Classroom	10 days	\$9,900
6–10 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
28 Jan – 1 Feb 2029	Algiers	Classroom	5 days	\$5,500
4–15 Feb 2029	Erbil	Classroom	10 days	\$9,900
17–21 Jun 2029	Alexandria	Classroom	5 days	\$5,500
2–13 Jul 2029	Athens	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
13–17 May 2030	Kuala Lumpur	Classroom	5 days	\$5,500
27 May – 7 Jun 2030	Toronto	Classroom	10 days	\$9,900
3–7 Jun 2030	Manchester	Classroom	5 days	\$5,500
14–25 Jul 2030	Kuwait City	Classroom	10 days	\$9,900
22–26 Jul 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/heat-treatment-of-metals-practical-workshop/>

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