



Thermal Spray & Hardfacing: Advanced Level

Welding, NDT & Materials

QGT-WLD-146 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Thermal Spray & Hardfacing: Advanced Level is an advanced programme for experienced practitioners in Thermal Spray & Hardfacing. 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 Thermal Spray & Hardfacing
- Apply the relevant requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A
- Apply advanced analysis methods to real operating data
- 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 with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

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
27 Jun – 8 Jul 2027	Amman	Classroom	10 days	\$9,900
8–12 Aug 2027	Manama	Classroom	5 days	\$5,500
13–24 Sep 2027	Nairobi	Classroom	10 days	\$9,900
1–5 Nov 2027	Houston	Classroom	5 days	\$5,500
6–17 Dec 2027	Online (live)	Online (live)	10 days	\$5,500
17–28 Jan 2028	Vienna	Classroom	10 days	\$9,900
11–15 Jun 2028	Amman	Classroom	5 days	\$5,500
26 Jun – 7 Jul 2028	Tunis	Classroom	10 days	\$9,900
4–8 Sep 2028	Frankfurt	Classroom	5 days	\$5,500
30 Oct – 10 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
19–30 Mar 2029	Kigali	Classroom	10 days	\$9,900
23–27 Apr 2029	Barcelona	Classroom	5 days	\$5,500
1–12 Jul 2029	Alexandria	Classroom	10 days	\$9,900
30 Jul – 3 Aug 2029	Madrid	Classroom	5 days	\$5,500
6–17 Aug 2029	Online (live)	Online (live)	10 days	\$5,500
4–15 Mar 2030	Luanda	Classroom	10 days	\$9,900
17–21 Jun 2030	Beirut	Classroom	5 days	\$5,500
24 Jun – 5 Jul 2030	Manchester	Classroom	10 days	\$9,900
29 Jul – 2 Aug 2030	Copenhagen	Classroom	5 days	\$5,500
16–27 Sep 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/thermal-spray-and-hardfacing-advanced-level/>

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