



Materials Selection for Oil & Gas: Advanced Level

Welding, NDT & Materials

QGT-WLD-139 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Materials Selection for Oil & Gas: Advanced Level is an advanced programme for experienced practitioners in Materials Selection for Oil & Gas. 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 Materials Selection for Oil & Gas
- 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
25 Apr – 6 May 2027	Kuwait City	Classroom	10 days	\$9,900
24–28 May 2027	Johannesburg	Classroom	5 days	\$5,500
12–23 Jul 2027	Lagos	Classroom	10 days	\$9,900
1–5 Nov 2027	London	Classroom	5 days	\$5,500
29 Nov – 10 Dec 2027	Online (live)	Online (live)	10 days	\$5,500
13–24 Mar 2028	Dublin	Classroom	10 days	\$9,900
20–24 Mar 2028	Manchester	Classroom	5 days	\$5,500
4–15 Sep 2028	Marrakech	Classroom	10 days	\$9,900
25–29 Sep 2028	Copenhagen	Classroom	5 days	\$5,500
4–15 Dec 2028	Online (live)	Online (live)	10 days	\$5,500
29 Jan – 9 Feb 2029	Abu Dhabi	Classroom	10 days	\$9,900
19–23 Feb 2029	Milan	Classroom	5 days	\$5,500
25 Mar – 5 Apr 2029	Kuwait City	Classroom	10 days	\$9,900
30 Apr – 4 May 2029	Stockholm	Classroom	5 days	\$5,500
27 Aug – 7 Sep 2029	Online (live)	Online (live)	10 days	\$5,500
4–15 Feb 2030	Lagos	Classroom	10 days	\$9,900
10–14 Jun 2030	Paris	Classroom	5 days	\$5,500
15–26 Jul 2030	Barcelona	Classroom	10 days	\$9,900
2–6 Sep 2030	Milan	Classroom	5 days	\$5,500
30 Sep – 11 Oct 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/materials-selection-for-oil-and-gas-advanced-level/>

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