



Failure Analysis & Fractography: Practical Workshop

Welding, NDT & Materials

QGT-WLD-166 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Failure Analysis & Fractography: Practical Workshop is a hands-on workshop built around exercises and real site problems in Failure Analysis & Fractography. 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 Failure Analysis & Fractography
- 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 Failure Analysis & Fractography 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
18–22 Jan 2027	Luanda	Classroom	5 days	\$5,500
15–26 Feb 2027	London	Classroom	10 days	\$9,900
8–12 Mar 2027	Prague	Classroom	5 days	\$5,500
26 Jul – 6 Aug 2027	Singapore	Classroom	10 days	\$9,900
18–22 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
26–30 Mar 2028	Kuwait City	Classroom	5 days	\$5,500
3–14 Apr 2028	Brussels	Classroom	10 days	\$9,900
8–12 Oct 2028	Salalah	Classroom	5 days	\$5,500
30 Oct – 10 Nov 2028	Marrakech	Classroom	10 days	\$9,900
13–17 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
22–26 Jan 2029	Madrid	Classroom	5 days	\$5,500
4–15 Jun 2029	Sharjah	Classroom	10 days	\$9,900
29 Oct – 2 Nov 2029	Dublin	Classroom	5 days	\$5,500
19–30 Nov 2029	Zurich	Classroom	10 days	\$9,900
3–7 Dec 2029	Online (live)	Online (live)	5 days	\$3,000
13–17 Jan 2030	Dammam	Classroom	5 days	\$5,500
3–14 Jun 2030	Zurich	Classroom	10 days	\$9,900
1–5 Jul 2030	Houston	Classroom	5 days	\$5,500
1–12 Sep 2030	Cairo	Classroom	10 days	\$9,900
30 Sep – 4 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/failure-analysis-and-fractography-practical-workshop/>

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