



Damage Mechanisms in the Refining Industry: Practical Workshop

Inspection & Asset Integrity

QGT-INT-153 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Damage Mechanisms in the Refining Industry: Practical Workshop is a hands-on workshop built around exercises and real site problems in Damage Mechanisms in the Refining Industry. It covers the principles, the requirements of API 510/570/653/579/580/581 and ASME codes, 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 Damage Mechanisms in the Refining Industry
- Apply the relevant requirements of API 510/570/653/579/580/581 and ASME codes
- 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 inspectors, integrity engineers, QA/QC staff and asset owners 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 Damage Mechanisms in the Refining Industry 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	Vienna	Classroom	5 days	\$5,500
8–19 Mar 2027	Edinburgh	Classroom	10 days	\$9,900
5–9 Apr 2027	Abu Dhabi	Classroom	5 days	\$5,500
10–21 May 2027	Madrid	Classroom	10 days	\$9,900
15–19 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
28 Feb – 3 Mar 2028	Berlin	Classroom	5 days	\$5,500
13–24 Aug 2028	Al Khobar	Classroom	10 days	\$9,900
25–29 Sep 2028	Zurich	Classroom	5 days	\$5,500
29 Oct – 9 Nov 2028	Riyadh	Classroom	10 days	\$9,900
13–17 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
5–9 Mar 2029	Stockholm	Classroom	5 days	\$5,500
16–27 Apr 2029	Cape Town	Classroom	10 days	\$9,900
9–13 Jul 2029	Madrid	Classroom	5 days	\$5,500
10–21 Sep 2029	Sharjah	Classroom	10 days	\$9,900
1–5 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
20–24 Jan 2030	Sharm El Sheikh	Classroom	5 days	\$5,500
10–21 Jun 2030	Luanda	Classroom	10 days	\$9,900
23–27 Sep 2030	Nairobi	Classroom	5 days	\$5,500
7–18 Oct 2030	Sharjah	Classroom	10 days	\$9,900
18–22 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/damage-mechanisms-in-the-refining-industry-practical-workshop>

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