



Damage Mechanisms in the Refining Industry Masterclass

Inspection & Asset Integrity

QGT-INT-176 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Damage Mechanisms in the Refining Industry Masterclass is a senior-level masterclass on strategy and performance 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
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for inspectors, integrity engineers, QA/QC staff and asset owners in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Damage Mechanisms in the Refining Industry

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

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
11–15 Jan 2027	Kuala Lumpur	Classroom	5 days	\$5,500
1–12 Feb 2027	Nairobi	Classroom	10 days	\$9,900
8–12 Feb 2027	Baku	Classroom	5 days	\$5,500
5–16 Apr 2027	Johannesburg	Classroom	10 days	\$9,900
20–24 Sep 2027	Online (live)	Online (live)	5 days	\$3,000
20–24 Feb 2028	Cairo	Classroom	5 days	\$5,500
8–19 May 2028	Paris	Classroom	10 days	\$9,900
29 May – 2 Jun 2028	Lisbon	Classroom	5 days	\$5,500
2–13 Jul 2028	Al Khobar	Classroom	10 days	\$9,900
11–15 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
15–19 Jan 2029	Athens	Classroom	5 days	\$5,500
4–15 Mar 2029	Alexandria	Classroom	10 days	\$9,900
27–31 Aug 2029	Abu Dhabi	Classroom	5 days	\$5,500
8–19 Oct 2029	Brussels	Classroom	10 days	\$9,900
12–16 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
4–8 Feb 2030	Johannesburg	Classroom	5 days	\$5,500
11–22 Mar 2030	Lagos	Classroom	10 days	\$9,900
21–25 Apr 2030	Manama	Classroom	5 days	\$5,500
29 Apr – 10 May 2030	Lisbon	Classroom	10 days	\$9,900
29 Jul – 2 Aug 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-masterclass/>

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