



Piping Systems Design & Stress Analysis Masterclass

Mechanical & Rotating Equipment

QGT-MEC-198 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Piping Systems Design & Stress Analysis Masterclass is a senior-level masterclass on strategy and performance in Piping Systems Design & Stress Analysis. It covers the principles, the requirements of API 610/617/618, ASME and ISO standards, 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 Piping Systems Design & Stress Analysis
- Apply the relevant requirements of API 610/617/618, ASME and ISO standards
- 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 mechanical engineers, technicians, supervisors and maintenance staff in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Piping Systems Design & Stress Analysis

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
31 Jan – 4 Feb 2027	Jeddah	Classroom	5 days	\$5,500
4–15 Apr 2027	Riyadh	Classroom	10 days	\$9,900
9–13 Aug 2027	Abu Dhabi	Classroom	5 days	\$5,500
20 Sep – 1 Oct 2027	Athens	Classroom	10 days	\$9,900
8–12 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
13–17 Feb 2028	Sharm El Sheikh	Classroom	5 days	\$5,500
20–31 Mar 2028	Abu Dhabi	Classroom	10 days	\$9,900
3–7 Jul 2028	London	Classroom	5 days	\$5,500
7–18 Aug 2028	Manchester	Classroom	10 days	\$9,900
25–29 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
14–18 Jan 2029	Riyadh	Classroom	5 days	\$5,500
12–23 Feb 2029	Lagos	Classroom	10 days	\$9,900
18–22 Jun 2029	Nairobi	Classroom	5 days	\$5,500
25 Jun – 6 Jul 2029	Amsterdam	Classroom	10 days	\$9,900
26–30 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
8–12 Apr 2030	Paris	Classroom	5 days	\$5,500
8–19 Jul 2030	Lagos	Classroom	10 days	\$9,900
9–13 Sep 2030	Milan	Classroom	5 days	\$5,500
15–26 Sep 2030	Al Khobar	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/piping-systems-design-and-stress-analysis-masterclass/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

