



Layer of Protection Analysis (LOPA): Practical Workshop

HSE & Process Safety

QGT-HSE-165 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Layer of Protection Analysis (LOPA): Practical Workshop is a hands-on workshop built around exercises and real site problems in Layer of Protection Analysis (LOPA). It covers the principles, the requirements of OSHA, ISO 45001, CCPS, IEC 61882 and NFPA, 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 Layer of Protection Analysis (LOPA)
- Apply the relevant requirements of OSHA, ISO 45001, CCPS, IEC 61882 and NFPA
- 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 HSE professionals, supervisors, engineers and managers 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 Layer of Protection Analysis (LOPA) 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
10–14 Jan 2027	Cairo	Classroom	5 days	\$5,500
21 Mar – 1 Apr 2027	Jeddah	Classroom	10 days	\$9,900
5–9 Jul 2027	Abu Dhabi	Classroom	5 days	\$5,500
25 Jul – 5 Aug 2027	Kuwait City	Classroom	10 days	\$9,900
27 Sep – 1 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
14–18 Feb 2028	Houston	Classroom	5 days	\$5,500
21 Aug – 1 Sep 2028	Marrakech	Classroom	10 days	\$9,900
18–22 Sep 2028	Sharjah	Classroom	5 days	\$5,500
1–12 Oct 2028	Jeddah	Classroom	10 days	\$9,900
23–27 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
29 Jan – 2 Feb 2029	Geneva	Classroom	5 days	\$5,500
26 Mar – 6 Apr 2029	Tbilisi	Classroom	10 days	\$9,900
7–11 May 2029	Copenhagen	Classroom	5 days	\$5,500
4–15 Jun 2029	Kuala Lumpur	Classroom	10 days	\$9,900
22–26 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
21–25 Jan 2030	Zurich	Classroom	5 days	\$5,500
25 Feb – 8 Mar 2030	Frankfurt	Classroom	10 days	\$9,900
3–7 Mar 2030	Sharm El Sheikh	Classroom	5 days	\$5,500
16–27 Sep 2030	Baku	Classroom	10 days	\$9,900
11–15 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/layer-of-protection-analysis-lopa-practical-workshop/>

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