



Bow-Tie Risk Analysis

HSE & Process Safety

QGT-HSE-122 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Bow-Tie Risk Analysis is an introduction that builds a solid working knowledge in Bow-Tie Risk Analysis. 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 Bow-Tie Risk Analysis
- 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, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how Bow-Tie Risk Analysis fits into daily operations

Day 2: Codes, standards and requirements

What OSHA, ISO 45001, CCPS, IEC 61882 and NFPA require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

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
15–19 Mar 2027	Bangkok	Classroom	5 days	\$5,500
22 Mar – 2 Apr 2027	Kuala Lumpur	Classroom	10 days	\$9,900
12–16 Jul 2027	Lisbon	Classroom	5 days	\$5,500
26 Jul – 6 Aug 2027	Paris	Classroom	10 days	\$9,900
30 Aug – 3 Sep 2027	Online (live)	Online (live)	5 days	\$3,000
31 Jan – 4 Feb 2028	Marrakech	Classroom	5 days	\$5,500
17–28 Apr 2028	Dublin	Classroom	10 days	\$9,900
29 May – 2 Jun 2028	Beirut	Classroom	5 days	\$5,500
6–17 Nov 2028	Kigali	Classroom	10 days	\$9,900
4–8 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
22–26 Jan 2029	Singapore	Classroom	5 days	\$5,500
3–14 Sep 2029	Baku	Classroom	10 days	\$9,900
19–23 Nov 2029	Beirut	Classroom	5 days	\$5,500
26 Nov – 7 Dec 2029	Milan	Classroom	10 days	\$9,900
3–7 Dec 2029	Online (live)	Online (live)	5 days	\$3,000
25–29 Mar 2030	Frankfurt	Classroom	5 days	\$5,500
1–12 Apr 2030	Sharjah	Classroom	10 days	\$9,900
22–26 Apr 2030	London	Classroom	5 days	\$5,500
12–23 May 2030	Jeddah	Classroom	10 days	\$9,900
15–19 Jul 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/bow-tie-risk-analysis/>

WhatsApp: +971 50 697 0908

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