



Systems Thinking & Complex Problem Solving

Future Skills

QGT-FUT-124 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Systems Thinking & Complex Problem Solving is an introduction that builds a solid working knowledge in Systems Thinking & Complex Problem Solving. It covers the principles, the requirements of ISO/IEC 42001, ISSB standards, IEC 62443 and leading industry practice, 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 Systems Thinking & Complex Problem Solving
- Apply the relevant requirements of ISO/IEC 42001, ISSB standards, IEC 62443 and leading industry practice
- 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 professionals, managers and technical teams preparing for the technologies and jobs of 2030, 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 Systems Thinking & Complex Problem Solving fits into daily operations

Day 2: Codes, standards and requirements

What ISO/IEC 42001, ISSB standards, IEC 62443 and leading industry practice 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
14–18 Mar 2027	Salalah	Classroom	5 days	\$5,500
24 May – 4 Jun 2027	Sharjah	Classroom	10 days	\$9,900
25–29 Jul 2027	Sharm El Sheikh	Classroom	5 days	\$5,500
27 Sep – 8 Oct 2027	Zurich	Classroom	10 days	\$9,900
8–12 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
13–17 Mar 2028	Munich	Classroom	5 days	\$5,500
16–27 Apr 2028	Sharm El Sheikh	Classroom	10 days	\$9,900
5–9 Jun 2028	Paris	Classroom	5 days	\$5,500
23 Jul – 3 Aug 2028	Manama	Classroom	10 days	\$9,900
20–24 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
15–19 Jan 2029	Marrakech	Classroom	5 days	\$5,500
30 Jul – 10 Aug 2029	Casablanca	Classroom	10 days	\$9,900
19–23 Nov 2029	Toronto	Classroom	5 days	\$5,500
26 Nov – 7 Dec 2029	Nairobi	Classroom	10 days	\$9,900
3–7 Dec 2029	Online (live)	Online (live)	5 days	\$3,000
27–31 May 2030	Istanbul	Classroom	5 days	\$5,500
8–19 Sep 2030	Dammam	Classroom	10 days	\$9,900
7–11 Oct 2030	Athens	Classroom	5 days	\$5,500
21 Oct – 1 Nov 2030	Geneva	Classroom	10 days	\$9,900
28 Oct – 1 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/systems-thinking-and-complex-problem-solving/>

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