



Pinch Analysis & Energy Integration

Process & Chemical Engineering

QGT-PRC-108 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Pinch Analysis & Energy Integration is an introduction that builds a solid working knowledge in Pinch Analysis & Energy Integration. It covers the principles, the requirements of API, AIChE/CCPS guidelines and licensor 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 Pinch Analysis & Energy Integration
- Apply the relevant requirements of API, AIChE/CCPS guidelines and licensor 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 process engineers, chemical engineers, operators and laboratory staff, 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 Pinch Analysis & Energy Integration fits into daily operations

Day 2: Codes, standards and requirements

What API, AIChE/CCPS guidelines and licensor 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
22–26 Feb 2027	Cape Town	Classroom	5 days	\$5,500
5–16 Jul 2027	Frankfurt	Classroom	10 days	\$9,900
23–27 Aug 2027	Madrid	Classroom	5 days	\$5,500
1–12 Nov 2027	Lagos	Classroom	10 days	\$9,900
8–12 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
21–25 Feb 2028	Athens	Classroom	5 days	\$5,500
3–14 Apr 2028	Zurich	Classroom	10 days	\$9,900
11–15 Sep 2028	Accra	Classroom	5 days	\$5,500
18–29 Sep 2028	Istanbul	Classroom	10 days	\$9,900
2–6 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
11–15 Feb 2029	Sharm El Sheikh	Classroom	5 days	\$5,500
25 Jun – 6 Jul 2029	Tbilisi	Classroom	10 days	\$9,900
23–27 Jul 2029	Nairobi	Classroom	5 days	\$5,500
8–19 Oct 2029	Bangkok	Classroom	10 days	\$9,900
26–30 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
11–15 Mar 2030	Athens	Classroom	5 days	\$5,500
10–21 Jun 2030	Tunis	Classroom	10 days	\$9,900
7–11 Jul 2030	Al Khobar	Classroom	5 days	\$5,500
29 Jul – 9 Aug 2030	Vienna	Classroom	10 days	\$9,900
7–11 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/pinch-analysis-and-energy-integration/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

