



Pinch Analysis & Energy Integration: Advanced Level

Process & Chemical Engineering

QGT-PRC-130 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Pinch Analysis & Energy Integration: Advanced Level is an advanced programme for experienced practitioners 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
- Apply advanced analysis methods to real operating data
- 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 with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in API, AIChE/CCPS guidelines and licensor practice

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

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
14–25 Mar 2027	Dammam	Classroom	10 days	\$9,900
9–13 May 2027	Salalah	Classroom	5 days	\$5,500
29 Aug – 9 Sep 2027	Muscat	Classroom	10 days	\$9,900
6–10 Sep 2027	Berlin	Classroom	5 days	\$5,500
18–29 Oct 2027	Online (live)	Online (live)	10 days	\$5,500
14–25 Feb 2028	Rome	Classroom	10 days	\$9,900
26–30 Mar 2028	Cairo	Classroom	5 days	\$5,500
28 Aug – 8 Sep 2028	Dubai	Classroom	10 days	\$9,900
30 Oct – 3 Nov 2028	Prague	Classroom	5 days	\$5,500
13–24 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
4–15 Feb 2029	Salalah	Classroom	10 days	\$9,900
25 Feb – 1 Mar 2029	Cairo	Classroom	5 days	\$5,500
12–23 Mar 2029	Toronto	Classroom	10 days	\$9,900
20–24 Aug 2029	Johannesburg	Classroom	5 days	\$5,500
3–14 Sep 2029	Online (live)	Online (live)	10 days	\$5,500
18 Feb – 1 Mar 2030	Kigali	Classroom	10 days	\$9,900
22–26 Apr 2030	Amsterdam	Classroom	5 days	\$5,500
25 Aug – 5 Sep 2030	Riyadh	Classroom	10 days	\$9,900
13–17 Oct 2030	Amman	Classroom	5 days	\$5,500
11–22 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

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

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

