



# Cogeneration & Waste Heat Recovery: Advanced Level

## Energy, Power & Renewables

QGT-ENR-131 | Advanced | 5 or 10 days | Online, classroom, in-house

### Course overview

Cogeneration & Waste Heat Recovery: Advanced Level is an advanced programme for experienced practitioners in Cogeneration & Waste Heat Recovery. It covers the principles, the requirements of IEC, ISO 50001, GHG Protocol and IEA guidance, 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 Cogeneration & Waste Heat Recovery
- Apply the relevant requirements of IEC, ISO 50001, GHG Protocol and IEA guidance
- 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 power plant staff, energy managers, sustainability teams and engineers with at least three years of experience.

### Course outline (5 days)

#### Day 1: Core principles revisited

Fast review and recent changes in IEC, ISO 50001, GHG Protocol and IEA guidance

#### 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     |
|----------------------|---------------|---------------|----------|---------|
| 15–26 Feb 2027       | Lisbon        | Classroom     | 10 days  | \$9,900 |
| 4–8 Oct 2027         | Luanda        | Classroom     | 5 days   | \$5,500 |
| 1–12 Nov 2027        | Frankfurt     | Classroom     | 10 days  | \$9,900 |
| 21–25 Nov 2027       | Muscat        | Classroom     | 5 days   | \$5,500 |
| 29 Nov – 10 Dec 2027 | Online (live) | Online (live) | 10 days  | \$5,500 |
| 31 Jan – 11 Feb 2028 | Dublin        | Classroom     | 10 days  | \$9,900 |
| 28 Feb – 3 Mar 2028  | Munich        | Classroom     | 5 days   | \$5,500 |
| 28 Aug – 8 Sep 2028  | Athens        | Classroom     | 10 days  | \$9,900 |
| 2–6 Oct 2028         | Paris         | Classroom     | 5 days   | \$5,500 |
| 30 Oct – 10 Nov 2028 | Online (live) | Online (live) | 10 days  | \$5,500 |
| 9–20 Jul 2029        | Dublin        | Classroom     | 10 days  | \$9,900 |
| 10–14 Sep 2029       | Abu Dhabi     | Classroom     | 5 days   | \$5,500 |
| 24 Sep – 5 Oct 2029  | Kigali        | Classroom     | 10 days  | \$9,900 |
| 22–26 Oct 2029       | Milan         | Classroom     | 5 days   | \$5,500 |
| 29 Oct – 9 Nov 2029  | Online (live) | Online (live) | 10 days  | \$5,500 |
| 11–22 Mar 2030       | Marrakech     | Classroom     | 10 days  | \$9,900 |
| 1–5 Jul 2030         | Dublin        | Classroom     | 5 days   | \$5,500 |
| 15–26 Jul 2030       | Sharjah       | Classroom     | 10 days  | \$9,900 |
| 20–24 Oct 2030       | Cairo         | Classroom     | 5 days   | \$5,500 |
| 25 Nov – 6 Dec 2030  | Online (live) | Online (live) | 10 days  | \$5,500 |

## How to register

### Register online or scan the code

<https://qimmatrainig.com/courses/cogeneration-and-waste-heat-recovery-advanced-level/>

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