



Biomass & Waste-to-Energy: Advanced Level

Energy, Power & Renewables

QGT-ENR-139 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Biomass & Waste-to-Energy: Advanced Level is an advanced programme for experienced practitioners in Biomass & Waste-to-Energy. 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 Biomass & Waste-to-Energy
- 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
1–12 Feb 2027	Budapest	Classroom	10 days	\$9,900
19–23 Jul 2027	Berlin	Classroom	5 days	\$5,500
20 Sep – 1 Oct 2027	Sharjah	Classroom	10 days	\$9,900
27 Sep – 1 Oct 2027	Zurich	Classroom	5 days	\$5,500
11–22 Oct 2027	Online (live)	Online (live)	10 days	\$5,500
23 Jan – 3 Feb 2028	Cairo	Classroom	10 days	\$9,900
13–17 Feb 2028	Algiers	Classroom	5 days	\$5,500
8–19 May 2028	Barcelona	Classroom	10 days	\$9,900
22–26 Oct 2028	Salalah	Classroom	5 days	\$5,500
13–24 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
22 Jan – 2 Feb 2029	Dublin	Classroom	10 days	\$9,900
5–9 Mar 2029	Amsterdam	Classroom	5 days	\$5,500
28 May – 8 Jun 2029	Copenhagen	Classroom	10 days	\$9,900
5–9 Aug 2029	Erbil	Classroom	5 days	\$5,500
19–30 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
7–18 Jan 2030	Barcelona	Classroom	10 days	\$9,900
17–21 Mar 2030	Algiers	Classroom	5 days	\$5,500
23 Jun – 4 Jul 2030	Doha	Classroom	10 days	\$9,900
5–9 Aug 2030	Berlin	Classroom	5 days	\$5,500
30 Sep – 11 Oct 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/biomass-and-waste-to-energy-advanced-level/>

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