



Biomass & Waste-to-Energy

Energy, Power & Renewables

QGT-ENR-119 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Biomass & Waste-to-Energy is an introduction that builds a solid working knowledge 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
- 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 power plant staff, energy managers, sustainability teams and engineers, 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 Biomass & Waste-to-Energy fits into daily operations

Day 2: Codes, standards and requirements

What IEC, ISO 50001, GHG Protocol and IEA guidance 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
15–19 Feb 2027	Brussels	Classroom	5 days	\$5,500
24 May – 4 Jun 2027	Kigali	Classroom	10 days	\$9,900
18–22 Jul 2027	Salalah	Classroom	5 days	\$5,500
18–29 Oct 2027	Munich	Classroom	10 days	\$9,900
29 Nov – 3 Dec 2027	Online (live)	Online (live)	5 days	\$3,000
10–14 Jan 2028	Luanda	Classroom	5 days	\$5,500
17–28 Jan 2028	Edinburgh	Classroom	10 days	\$9,900
20–24 Feb 2028	Dammam	Classroom	5 days	\$5,500
16–27 Apr 2028	Cairo	Classroom	10 days	\$9,900
28 Aug – 1 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
26 Feb – 2 Mar 2029	Brussels	Classroom	5 days	\$5,500
26 Mar – 6 Apr 2029	Athens	Classroom	10 days	\$9,900
23–27 Apr 2029	Toronto	Classroom	5 days	\$5,500
28 May – 8 Jun 2029	Casablanca	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
7–11 Jan 2030	Zurich	Classroom	5 days	\$5,500
14–25 Apr 2030	Kuwait City	Classroom	10 days	\$9,900
23–27 Sep 2030	Dublin	Classroom	5 days	\$5,500
7–18 Oct 2030	Houston	Classroom	10 days	\$9,900
21–25 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

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

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