



Battery Energy Storage Systems (BESS)

Energy, Power & Renewables

QGT-ENR-107 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Battery Energy Storage Systems (BESS) is an introduction that builds a solid working knowledge in Battery Energy Storage Systems (BESS). 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 Battery Energy Storage Systems (BESS)
- 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 Battery Energy Storage Systems (BESS) 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	Nairobi	Classroom	5 days	\$5,500
22 Feb – 5 Mar 2027	Paris	Classroom	10 days	\$9,900
1–5 Nov 2027	Vienna	Classroom	5 days	\$5,500
7–18 Nov 2027	Alexandria	Classroom	10 days	\$9,900
22–26 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
15–19 May 2028	Tunis	Classroom	5 days	\$5,500
22 May – 2 Jun 2028	Milan	Classroom	10 days	\$9,900
28 Aug – 1 Sep 2028	Budapest	Classroom	5 days	\$5,500
25 Sep – 6 Oct 2028	Casablanca	Classroom	10 days	\$9,900
6–10 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
5–9 Feb 2029	Dublin	Classroom	5 days	\$5,500
5–16 Mar 2029	Vienna	Classroom	10 days	\$9,900
15–19 Apr 2029	Alexandria	Classroom	5 days	\$5,500
27 Aug – 7 Sep 2029	Marrakech	Classroom	10 days	\$9,900
1–5 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
2–6 Sep 2030	Milan	Classroom	5 days	\$5,500
22 Sep – 3 Oct 2030	Riyadh	Classroom	10 days	\$9,900
6–10 Oct 2030	Manama	Classroom	5 days	\$5,500
11–22 Nov 2030	Manchester	Classroom	10 days	\$9,900
25–29 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/battery-energy-storage-systems-bess/>

WhatsApp: +971 50 697 0908

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