



Battery Energy Storage Systems (BESS): Advanced Level

Energy, Power & Renewables

QGT-ENR-127 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Battery Energy Storage Systems (BESS): Advanced Level is an advanced programme for experienced practitioners 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
- 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
8–19 Mar 2027	Bangkok	Classroom	10 days	\$9,900
19–23 Jul 2027	Prague	Classroom	5 days	\$5,500
9–20 Aug 2027	Budapest	Classroom	10 days	\$9,900
14–18 Nov 2027	Doha	Classroom	5 days	\$5,500
6–17 Dec 2027	Online (live)	Online (live)	10 days	\$5,500
6–17 Feb 2028	Jeddah	Classroom	10 days	\$9,900
17–21 Apr 2028	Milan	Classroom	5 days	\$5,500
29 May – 9 Jun 2028	Munich	Classroom	10 days	\$9,900
11–15 Sep 2028	Athens	Classroom	5 days	\$5,500
6–17 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
15–26 Jan 2029	Houston	Classroom	10 days	\$9,900
4–8 Feb 2029	Muscat	Classroom	5 days	\$5,500
2–13 Apr 2029	Amsterdam	Classroom	10 days	\$9,900
17–21 Jun 2029	Al Khobar	Classroom	5 days	\$5,500
8–19 Oct 2029	Online (live)	Online (live)	10 days	\$5,500
7–18 Jan 2030	Athens	Classroom	10 days	\$9,900
18–22 Feb 2030	Vienna	Classroom	5 days	\$5,500
14–25 Apr 2030	Kuwait City	Classroom	10 days	\$9,900
22–26 Apr 2030	Tbilisi	Classroom	5 days	\$5,500
12–23 Aug 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

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

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