



Machine Monitoring & Protection Systems Masterclass

Instrumentation, Control & Automation

QGT-INS-184 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Machine Monitoring & Protection Systems Masterclass is a senior-level masterclass on strategy and performance in Machine Monitoring & Protection Systems. It covers the principles, the requirements of ISA, IEC 61511, IEC 61508 and IEC 62443, 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 Machine Monitoring & Protection Systems
- Apply the relevant requirements of ISA, IEC 61511, IEC 61508 and IEC 62443
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for instrument and control engineers, technicians and control room staff in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Machine Monitoring & Protection Systems

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

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
21–25 Feb 2027	Sharm El Sheikh	Classroom	5 days	\$5,500
3–14 May 2027	Marrakech	Classroom	10 days	\$9,900
31 May – 4 Jun 2027	Kigali	Classroom	5 days	\$5,500
22 Aug – 2 Sep 2027	Riyadh	Classroom	10 days	\$9,900
22–26 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
6–10 Feb 2028	Amman	Classroom	5 days	\$5,500
27 Mar – 7 Apr 2028	Johannesburg	Classroom	10 days	\$9,900
5–9 Jun 2028	Stockholm	Classroom	5 days	\$5,500
26 Jun – 7 Jul 2028	Kigali	Classroom	10 days	\$9,900
17–21 Jul 2028	Online (live)	Online (live)	5 days	\$3,000
19–23 Feb 2029	Milan	Classroom	5 days	\$5,500
25 Feb – 8 Mar 2029	Muscat	Classroom	10 days	\$9,900
21–25 May 2029	Houston	Classroom	5 days	\$5,500
13–24 Aug 2029	Stockholm	Classroom	10 days	\$9,900
10–14 Sep 2029	Online (live)	Online (live)	5 days	\$3,000
14–18 Jan 2030	Vienna	Classroom	5 days	\$5,500
29 Apr – 10 May 2030	Sharjah	Classroom	10 days	\$9,900
29 Jul – 2 Aug 2030	Stockholm	Classroom	5 days	\$5,500
9–20 Sep 2030	Edinburgh	Classroom	10 days	\$9,900
30 Sep – 4 Oct 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/machine-monitoring-and-protection-systems-masterclass/>

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