



# Advanced Process Control (APC) Masterclass

## Instrumentation, Control & Automation

QGT-INS-178 | Masterclass | 5 or 10 days | Online, classroom, in-house

### Course overview

Advanced Process Control (APC) Masterclass is a senior-level masterclass on strategy and performance in Advanced Process Control (APC). 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 Advanced Process Control (APC)
- 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 Advanced Process Control (APC)

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     |
|---------------------|---------------|---------------|----------|---------|
| 14–18 Feb 2027      | Kuwait City   | Classroom     | 5 days   | \$5,500 |
| 1–12 Mar 2027       | Cape Town     | Classroom     | 10 days  | \$9,900 |
| 12–16 Jul 2027      | Munich        | Classroom     | 5 days   | \$5,500 |
| 1–12 Aug 2027       | Amman         | Classroom     | 10 days  | \$9,900 |
| 9–13 Aug 2027       | Online (live) | Online (live) | 5 days   | \$3,000 |
| 14–18 Feb 2028      | Manchester    | Classroom     | 5 days   | \$5,500 |
| 10–21 Jul 2028      | Budapest      | Classroom     | 10 days  | \$9,900 |
| 6–10 Nov 2028       | Luanda        | Classroom     | 5 days   | \$5,500 |
| 27 Nov – 8 Dec 2028 | Sharjah       | Classroom     | 10 days  | \$9,900 |
| 4–8 Dec 2028        | Online (live) | Online (live) | 5 days   | \$3,000 |
| 29 Jan – 2 Feb 2029 | Tunis         | Classroom     | 5 days   | \$5,500 |
| 7–18 May 2029       | Zurich        | Classroom     | 10 days  | \$9,900 |
| 28 May – 1 Jun 2029 | Edinburgh     | Classroom     | 5 days   | \$5,500 |
| 16–27 Jul 2029      | Stockholm     | Classroom     | 10 days  | \$9,900 |
| 23–27 Jul 2029      | Online (live) | Online (live) | 5 days   | \$3,000 |
| 20–24 May 2030      | Athens        | Classroom     | 5 days   | \$5,500 |
| 22 Jul – 2 Aug 2030 | Berlin        | Classroom     | 10 days  | \$9,900 |
| 12–16 Aug 2030      | Marrakech     | Classroom     | 5 days   | \$5,500 |
| 28 Oct – 8 Nov 2030 | Budapest      | Classroom     | 10 days  | \$9,900 |
| 4–8 Nov 2030        | Online (live) | Online (live) | 5 days   | \$3,000 |

## How to register

### Register online or scan the code

<https://qimmatrainig.com/courses/advanced-process-control-apc-masterclass/>

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