



# Phased Array Ultrasonic Testing (PAUT) Masterclass

## Welding, NDT & Materials

QGT-WLD-176 | Masterclass | 5 or 10 days | Online, classroom, in-house

### Course overview

Phased Array Ultrasonic Testing (PAUT) Masterclass is a senior-level masterclass on strategy and performance in Phased Array Ultrasonic Testing (PAUT). It covers the principles, the requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A, 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 Phased Array Ultrasonic Testing (PAUT)
- Apply the relevant requirements of AWS D1.1, ASME IX, ISO 9712 and ASNT SNT-TC-1A
- 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 welding engineers, inspectors, NDT technicians and materials specialists in senior and leadership roles.

### Course outline (5 days)

#### Day 1: Strategic view of Phased Array Ultrasonic Testing (PAUT)

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     |
|----------------------|---------------|---------------|----------|---------|
| 11–15 Jan 2027       | Istanbul      | Classroom     | 5 days   | \$5,500 |
| 24 Jan – 4 Feb 2027  | Riyadh        | Classroom     | 10 days  | \$9,900 |
| 25–29 Apr 2027       | Salalah       | Classroom     | 5 days   | \$5,500 |
| 20 Sep – 1 Oct 2027  | Prague        | Classroom     | 10 days  | \$9,900 |
| 8–12 Nov 2027        | Online (live) | Online (live) | 5 days   | \$3,000 |
| 10–14 Jan 2028       | Edinburgh     | Classroom     | 5 days   | \$5,500 |
| 31 Jan – 11 Feb 2028 | Lisbon        | Classroom     | 10 days  | \$9,900 |
| 19–23 Mar 2028       | Muscat        | Classroom     | 5 days   | \$5,500 |
| 2–13 Apr 2028        | Jeddah        | Classroom     | 10 days  | \$9,900 |
| 2–6 Oct 2028         | Online (live) | Online (live) | 5 days   | \$3,000 |
| 8–12 Jan 2029        | Rome          | Classroom     | 5 days   | \$5,500 |
| 22 Jan – 2 Feb 2029  | Sharjah       | Classroom     | 10 days  | \$9,900 |
| 19–23 Nov 2029       | Abu Dhabi     | Classroom     | 5 days   | \$5,500 |
| 26 Nov – 7 Dec 2029  | Zurich        | Classroom     | 10 days  | \$9,900 |
| 3–7 Dec 2029         | Online (live) | Online (live) | 5 days   | \$3,000 |
| 21–25 Jan 2030       | Edinburgh     | Classroom     | 5 days   | \$5,500 |
| 8–19 Apr 2030        | Dublin        | Classroom     | 10 days  | \$9,900 |
| 9–13 Sep 2030        | Paris         | Classroom     | 5 days   | \$5,500 |
| 25 Nov – 6 Dec 2030  | Casablanca    | Classroom     | 10 days  | \$9,900 |
| 2–6 Dec 2030         | Online (live) | Online (live) | 5 days   | \$3,000 |

## How to register

### Register online or scan the code

<https://qimmatrainig.com/courses/phased-array-ultrasonic-testing-paut-masterclass/>

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