



Time-of-Flight Diffraction (TOFD) Masterclass

Welding, NDT & Materials

QGT-WLD-177 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Time-of-Flight Diffraction (TOFD) Masterclass is a senior-level masterclass on strategy and performance in Time-of-Flight Diffraction (TOFD). 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 Time-of-Flight Diffraction (TOFD)
- 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 Time-of-Flight Diffraction (TOFD)

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
25–29 Apr 2027	Riyadh	Classroom	5 days	\$5,500
15–26 Aug 2027	Alexandria	Classroom	10 days	\$9,900
6–10 Sep 2027	Zurich	Classroom	5 days	\$5,500
26 Sep – 7 Oct 2027	Algiers	Classroom	10 days	\$9,900
25–29 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
6–10 Feb 2028	Doha	Classroom	5 days	\$5,500
28 Feb – 10 Mar 2028	Johannesburg	Classroom	10 days	\$9,900
20–24 Mar 2028	Cape Town	Classroom	5 days	\$5,500
8–19 May 2028	Luanda	Classroom	10 days	\$9,900
26–30 Jun 2028	Online (live)	Online (live)	5 days	\$3,000
14–18 May 2029	Baku	Classroom	5 days	\$5,500
20–31 Aug 2029	Munich	Classroom	10 days	\$9,900
3–7 Sep 2029	Bangkok	Classroom	5 days	\$5,500
23 Sep – 4 Oct 2029	Sharm El Sheikh	Classroom	10 days	\$9,900
1–5 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
21–25 Jan 2030	Luanda	Classroom	5 days	\$5,500
4–15 Feb 2030	Lisbon	Classroom	10 days	\$9,900
11–15 Mar 2030	Amsterdam	Classroom	5 days	\$5,500
27 May – 7 Jun 2030	Athens	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/time-of-flight-diffraction-tofd-masterclass/>

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