

Advanced Ultrasonic Testing Techniques Training Course

OGI-1336 · 5 days · 15 CPD hours · English

Overview

Advanced Ultrasonic Testing Techniques Training Course by [Institute For Oil & Gas Training](#) develops the specialist inspection capabilities required to assess the integrity of critical oil and gas assets using advanced non-destructive testing methods. The course focuses on Advanced Ultrasonic Testing Techniques, including phased array ultrasonic testing, PAUT, time-of-flight diffraction, TOFD, and the practical application of advanced NDT methods to inspection planning, defect characterisation, and engineering assessment.

Oil and gas organisations operate complex infrastructure exposed to pressure, temperature variations, corrosive environments, cyclic loading, vibration, and demanding operating conditions. Pressure vessels, process piping, storage tanks, offshore structures, pipelines, and associated equipment require reliable inspection to identify discontinuities before they compromise asset integrity. Conventional inspection methods remain important, but complex geometries, challenging material configurations, and the need for detailed defect sizing demand increasingly sophisticated ultrasonic inspection capabilities.

Advanced Ultrasonic Testing Techniques address these requirements by equipping inspection professionals with the knowledge to select suitable inspection methods, interpret ultrasonic responses, evaluate discontinuities, and produce reliable inspection findings. Phased array ultrasonic testing enables electronic control of ultrasonic beams through multiple angles and focal configurations. Time-of-flight diffraction provides a complementary approach to defect sizing by analysing diffracted ultrasonic signals from discontinuity extremities. Understanding the strengths and limitations of each technique helps inspection teams make better-informed decisions about inspection coverage, data interpretation, and the suitability of results for engineering evaluation.

The Advanced Ultrasonic Testing Techniques Training Course is designed for professionals who need to strengthen their technical understanding of advanced ultrasonic inspection and apply that knowledge within industrial asset integrity programmes. Delivered by Institute For Oil & Gas Training, the programme connects ultrasonic theory with practical inspection scenarios, equipment considerations, data interpretation, and reporting requirements relevant to the oil and gas sector.

A significant challenge for many organisations is ensuring that inspection personnel understand not only how advanced ultrasonic equipment operates, but also how to assess the reliability of the resulting data. Electronic scanning, phased array configurations, calibration requirements, signal presentation, material properties, and defect orientation all influence the interpretation of inspection results. Without a structured understanding of these factors, inspection teams risk overlooking relevant indications, mischaracterising discontinuities, or generating reports that do not provide sufficient information for engineering decisions.

This course addresses those capability gaps through a structured examination of advanced ultrasonic inspection principles, phased array ultrasonic testing, time-of-flight diffraction, inspection procedure development, data evaluation, and technical reporting. Participants explore the relationship between inspection objectives, component geometry, expected damage mechanisms, material characteristics, and the selection of suitable examination

techniques.

The programme also examines the importance of recognised standards, documented procedures, personnel competence, equipment verification, and traceable inspection records. These elements support consistent inspection execution and help organisations demonstrate that inspection activities are conducted against defined technical requirements. The course distinguishes between technical training and formal personnel certification, ensuring that participants understand the role of advanced NDT knowledge within broader qualification and quality management arrangements.

For organisations managing ageing infrastructure, turnaround programmes, maintenance activities, fabrication projects, and ongoing asset integrity obligations, advanced ultrasonic inspection provides valuable information for evaluating component condition. Better understanding of PAUT and TOFD helps inspection teams assess the suitability of examination techniques, communicate findings more effectively, and support maintenance and engineering teams with relevant evidence.

Institute For Oil & Gas Training positions this course around the operational application of advanced NDT rather than isolated theoretical study. Participants develop a clearer understanding of how advanced ultrasonic testing contributes to inspection reliability, defect assessment, maintenance planning, and the protection of critical oil and gas infrastructure.

Objectives

- Explain the fundamental principles of advanced ultrasonic testing and its role in oil and gas inspection and non-destructive testing programmes.
- Distinguish between conventional ultrasonic testing, phased array ultrasonic testing, and time-of-flight diffraction in terms of operating principles, applications, and limitations.
- Explain how ultrasonic wave propagation, beam characteristics, material properties, and discontinuity orientation influence inspection results.
- Identify the principal components of PAUT equipment and explain the purpose of probes, wedges, phased array elements, focal laws, scanners, and data acquisition systems.
- Interpret fundamental PAUT data presentations, including sectorial scans and linear scans, within the limits of the available information.
- Explain TOFD principles and interpret representative signals associated with weld geometry and discontinuity extremities.
- Compare PAUT and TOFD for suitable inspection applications and recognise where complementary methods improve the overall examination strategy.

- Identify essential considerations for inspection planning, procedure development, equipment configuration, calibration, and scanning coverage.
- Evaluate common sources of ultrasonic data uncertainty, including coupling problems, geometry effects, inadequate coverage, noise, and material-related limitations.
- Apply a structured approach to reviewing indications, distinguishing relevant responses from non-relevant signals, and documenting interpretation decisions.
- Explain the relationship between inspection results, acceptance criteria, engineering assessment, and asset integrity management.
- Review inspection reports for completeness, traceability, clarity, and consistency with the specified examination requirements.
- Recognise the role of recognised standards, personnel qualification, procedure approval, and quality assurance in advanced NDT activities.
- Communicate inspection findings and technical limitations effectively to inspection supervisors, integrity engineers, maintenance teams, and operational management.

Training methodology

The Advanced Ultrasonic Testing Techniques Training Course uses an industry-focused delivery approach that combines technical instruction, inspection case studies, guided data interpretation, practical demonstrations where facilities permit, and structured group exercises. The methodology reflects the demands of industrial inspection, where professionals must evaluate technical evidence, follow documented procedures, recognise limitations, and communicate findings to engineering and operational stakeholders.

Technical Presentations and Guided Discussion

Instructor-led sessions establish the principles of ultrasonic wave propagation, transducer behaviour, beam formation, signal interpretation, and the interaction between ultrasonic energy and material discontinuities. These concepts provide the foundation for understanding how conventional ultrasonic testing differs from advanced techniques such as phased array ultrasonic testing and time-of-flight diffraction.

Participants examine how frequency, probe selection, beam angle, focal configuration, scanning direction, and material properties affect inspection performance. Guided discussions connect these principles with practical challenges encountered during pipeline examination, pressure equipment inspection, weld inspection, and in-service asset assessment.

Phased Array Ultrasonic Testing Case Studies

PAUT case studies demonstrate how phased array systems control multiple ultrasonic elements to generate and steer beams. Participants explore sectorial scanning, linear scanning, focal laws, scan plans, and the interpretation of common data presentations.

The case studies also address the importance of matching inspection configurations to the component geometry and examination objective. Participants consider the implications of inadequate coverage, unsuitable probe arrangements, poor coupling, surface conditions, and inappropriate scanning parameters.

This approach develops a practical understanding of how inspection planning influences the quality and usefulness of phased array results.

Time-of-Flight Diffraction Applications

TOFD-focused exercises examine the principles of diffraction-based ultrasonic inspection and the use of signal arrival times to determine discontinuity dimensions. Participants explore typical TOFD data presentations, the identification of relevant signals, and the distinction between defect responses and geometric features.

Case studies consider weld examination, depth sizing, through-wall height assessment, and the interpretation of signals influenced by component geometry or inspection conditions. Participants also review the importance of scan configuration, probe separation, calibration, and data quality when assessing results.

Inspection Data Interpretation Exercises

Participants work through representative ultrasonic data scenarios to identify indications, evaluate their characteristics, and determine whether the available information supports a defensible inspection conclusion. Exercises focus on systematic interpretation rather than unsupported assumptions about discontinuity type or significance.

Where appropriate, group activities compare PAUT and TOFD results from similar examination scenarios. Participants assess how the techniques provide complementary information and identify situations where additional inspection or engineering evaluation is necessary.

Procedure Review and Reporting Workshops

Procedure-based exercises introduce participants to the information required for a clear and technically defensible advanced ultrasonic inspection procedure. These include examination scope, component details, equipment configurations, calibration requirements, scanning coverage, data recording, acceptance criteria, and reporting arrangements.

Participants review sample inspection records and reports to identify missing information, unclear terminology, inconsistencies, and limitations that could affect subsequent engineering decisions. The emphasis is on producing traceable findings that support quality assurance, asset integrity management, and communication between inspection contractors, operators, and engineering teams.

Group Problem-Solving and Operational Scenarios

Group exercises recreate situations in which inspection professionals must choose between alternative examination approaches, assess incomplete information, or recommend further technical investigation. Scenarios include complex

weld geometries, restricted access, uncertain indications, and discrepancies between inspection findings and expected component conditions.

Participants explain their reasoning, identify technical constraints, and justify their recommendations against defined inspection objectives and applicable requirements. This collaborative approach strengthens technical judgement and improves the ability to communicate inspection limitations to supervisors, integrity engineers, and asset managers.

Organisational impact

Improved Inspection Planning and Method Selection

Organisations benefit when inspection teams understand how to select appropriate ultrasonic examination techniques for specific components, weld configurations, and inspection objectives. A stronger understanding of phased array ultrasonic testing and TOFD supports more informed decisions about inspection coverage, probe arrangements, data acquisition, and the need for complementary examination methods.

This capability helps inspection planners define clearer technical requirements before work begins. It also supports more consistent communication between asset owners, inspection contractors, engineering departments, and quality assurance personnel.

More Reliable Defect Characterisation

Reliable defect characterisation supports effective engineering assessment and maintenance prioritisation.

Participants develop a structured approach to interpreting ultrasonic indications, assessing data quality, recognising uncertainty, and documenting findings.

For organisations, this improves the technical basis on which inspection results are reviewed and escalated. It also helps reduce the risk of decisions being based on incomplete interpretation or insufficiently documented assumptions.

Stronger Asset Integrity Management

Advanced ultrasonic inspection provides information that contributes to understanding the condition of pressure equipment, pipelines, process piping, and welded structures. The course strengthens participants' ability to relate inspection findings to broader integrity management processes.

Inspection teams with stronger technical knowledge can communicate more effectively with corrosion engineers, mechanical engineers, reliability specialists, and asset integrity managers. This improves the integration of inspection evidence into maintenance planning, repair evaluation, and decisions about further examination.

More Effective Maintenance Planning

Inspection results influence whether equipment requires further assessment, repair, monitoring, or continued operation under established engineering controls. Better understanding of advanced ultrasonic methods supports more consistent reporting and helps decision-makers identify the information needed for these activities.

The course does not replace engineering fitness-for-service assessments or formal acceptance decisions. Instead, it improves the quality of inspection information supplied to the personnel responsible for those decisions.

Improved Quality Assurance and Traceability

Documented inspection procedures, suitable calibration arrangements, traceable data, and clear reporting are essential elements of effective NDT quality management. Participants learn to recognise weaknesses in inspection documentation and understand the importance of consistent technical records.

Organisations can use these capabilities to strengthen internal procedure reviews, inspection contractor oversight, report verification, and quality assurance processes. Better documentation also supports technical audits and the investigation of discrepancies between inspection results.

Reduced Exposure to Avoidable Inspection Errors

Inspection errors arise from several sources, including unsuitable equipment configurations, inadequate scan coverage, poor data quality, and misinterpretation of indications. Advanced NDT training helps personnel recognise these risks and apply more systematic review practices.

The resulting operational benefit is a stronger basis for identifying inspection limitations before they affect maintenance or integrity decisions. Actual improvements depend on personnel competence, equipment condition, procedure quality, implementation, and ongoing verification.

Better Technical Coordination

Advanced ultrasonic inspection frequently involves interaction between inspection personnel, engineering teams, contractors, maintenance planners, and operations management. The course develops a shared technical vocabulary for discussing PAUT, TOFD, inspection coverage, defect sizing, and data limitations.

This improves the clarity of inspection specifications, technical queries, inspection reports, and recommendations for additional examination. It also supports more efficient resolution of discrepancies during fabrication, maintenance, and shutdown activities.

Personal impact

Advanced Technical Understanding

Participants strengthen their understanding of advanced ultrasonic testing principles and develop a clearer picture of how PAUT and TOFD support industrial inspection. They gain the ability to discuss equipment configurations, inspection limitations, signal characteristics, and data interpretation using appropriate technical terminology.

Greater Confidence in Inspection Data Review

The course develops a more systematic approach to examining ultrasonic data and identifying information that requires clarification or further investigation. Participants learn to distinguish between an observed indication, an interpretation of that indication, and a final engineering decision.

This distinction supports more defensible technical discussions and reduces reliance on unsupported assumptions when reviewing inspection results.

Improved Inspection Planning Skills

Participants gain a stronger foundation for evaluating inspection requirements and reviewing proposed examination methods. They develop an understanding of the factors that influence probe selection, scanning configuration, coverage, calibration, and data recording.

These skills support more effective collaboration with qualified NDT personnel and inspection coordinators.

Stronger Reporting and Communication

Clear inspection reporting is essential for ensuring that technical findings are understood by the people responsible for asset integrity and maintenance. Participants learn to identify incomplete records, unclear conclusions, and insufficient explanations of inspection limitations.

This capability helps them communicate findings more precisely and contribute more effectively to technical reviews and operational decision-making.

Broader Career Capability

Knowledge of advanced NDT is relevant to professionals working in inspection, quality assurance, fabrication, pipeline integrity, mechanical maintenance, and asset management. The course provides structured technical development that supports participants in taking on more complex inspection-related responsibilities within their existing competence and authorisation.

The programme is a training course and does not itself confer formal PAUT or TOFD personnel certification. Participants who require certification or authorisation for specific inspection activities must meet the applicable qualification, experience, examination, and employer requirements.

Better Cross-Functional Collaboration

Participants improve their ability to engage with engineering and operational stakeholders about inspection findings. They become better equipped to explain why a particular technique was selected, what the inspection data demonstrates, and where additional evidence is required.

This strengthens their contribution to inspection planning meetings, technical evaluations, maintenance reviews, and asset integrity discussions.

Who should attend

- **NDT Inspectors and Technicians:** Professionals seeking to strengthen their understanding of PAUT, TOFD, advanced ultrasonic data interpretation, and inspection limitations.
- **Senior NDT Personnel:** Experienced inspection professionals responsible for reviewing procedures, supporting complex examinations, or guiding technical interpretation.
- **NDT Supervisors and Coordinators:** Personnel who plan inspection activities, coordinate resources, review inspection reports, and oversee compliance with specified examination requirements.

- **Welding Inspectors:** Professionals involved in fabrication, weld quality assessment, and the evaluation of ultrasonic examination findings.
- **Quality Assurance and Quality Control Engineers:** Specialists responsible for inspection documentation, procedure verification, quality records, and contractor deliverables.
- **Pipeline Integrity Engineers:** Professionals who use inspection findings to support pipeline condition assessment, defect evaluation, and integrity management.
- **Asset Integrity Engineers:** Personnel who integrate NDT results into broader asset condition reviews, repair planning, and integrity assurance activities.
- **Mechanical and Materials Engineers:** Engineers responsible for pressure equipment, piping systems, welded components, and the interpretation of material-related inspection findings.
- **Corrosion Engineers:** Specialists who work with inspection teams to assess wall loss, material degradation, and the implications of inspection findings for asset integrity.
- **Fabrication and Construction Supervisors:** Personnel responsible for ensuring that inspection activities align with project specifications, weld examination requirements, and quality documentation.
- **Maintenance and Reliability Engineers:** Professionals who use inspection findings to support maintenance planning, equipment condition reviews, and reliability improvement.
- **Inspection Contractor Managers:** Managers responsible for technical service delivery, inspection quality, personnel deployment, and the review of NDT reports.
- **Technical and Engineering Managers:** Decision-makers who oversee inspection strategies, asset integrity resources, and the quality of technical information supporting operational decisions.

Course outline

Advanced Ultrasonic Testing Principles and Applications

This module establishes the technical foundation for advanced ultrasonic testing in oil and gas inspection. Participants examine ultrasonic wave behaviour, probe characteristics, sound beam propagation, reflection, refraction, attenuation, and the interaction between ultrasonic energy and material discontinuities.

The module connects these principles with industrial applications involving welds, pressure vessels, pipelines, and process piping. Participants explore the influence of material characteristics, component geometry, surface conditions, and discontinuity orientation on examination results. The focus is on understanding how inspection objectives determine method selection and how technical limitations affect the interpretation of ultrasonic data.

Phased Array Ultrasonic Testing and Electronic Scanning

This module examines phased array ultrasonic testing as an advanced technique for examining welds and other critical industrial components. Participants explore the operating principles of phased array probes, electronic beam steering, focal laws, beam focusing, and the relationship between scan configuration and inspection coverage.

The module also considers common PAUT data presentations, including sectorial and linear scans, and their use in assessing ultrasonic indications. Practical scenarios demonstrate the importance of probe selection, wedge characteristics, calibration, scanning direction, coupling, and data quality. Participants examine the technical considerations involved in selecting PAUT configurations for fabrication inspection and in-service asset assessment.

Time-of-Flight Diffraction and Defect Sizing

This module focuses on time-of-flight diffraction as an advanced ultrasonic method used to examine welds and assess discontinuity dimensions. Participants examine the principles of diffracted wave generation, signal arrival times, probe arrangement, scan configuration, and the interpretation of TOFD data.

The module explores the identification of relevant signals, including responses associated with discontinuity extremities and component geometry. Participants review the importance of calibration, suitable probe separation, data quality, and interpretation of inspection limitations. Comparative scenarios demonstrate how TOFD and PAUT provide different but complementary information when assessing welded components.

Inspection Procedures, Calibration and Quality Assurance

This module addresses the controls required to conduct advanced ultrasonic examinations consistently and produce technically defensible results. Participants examine procedure development, equipment verification, calibration arrangements, reference standards, scanning requirements, data acquisition, and the documentation of examination conditions.

The module considers the relationship between inspection procedures, personnel competence, quality management, and traceable technical records. Participants review inspection scenarios involving incomplete documentation, inconsistent calibration information, insufficient coverage, and unclear reporting. The objective is to develop a structured approach to verifying inspection readiness and identifying quality concerns before inspection results are accepted for engineering use.

Data Evaluation, Reporting and Asset Integrity Applications

This module integrates the technical concepts developed throughout the course and applies them to industrial inspection decision-making. Participants examine how advanced ultrasonic inspection data is reviewed, interpreted, documented, and communicated to the personnel responsible for engineering assessment and asset integrity management.

The module considers practical scenarios involving weld discontinuities, uncertain indications, conflicting examination findings, and incomplete inspection evidence. Participants review the distinction between indication detection, defect characterisation, acceptance evaluation, and engineering fitness-for-service assessment. The module concludes with structured reporting exercises that emphasise traceability, technical clarity, recognition of limitations, and effective

communication between inspection and engineering teams.

Scheduled dates

Dates	Venue	Format	Fee
02 - 06 Nov 2026	Abu Dhabi, United Arab Emirates	In person	£4,000
02 - 06 Nov 2026	Abuja, Nigeria	In person	£4,000
02 - 06 Nov 2026	Accra, Ghana	In person	£4,000
02 - 06 Nov 2026	Addis Ababa, Ethiopia	In person	£4,000
02 - 06 Nov 2026	Al Ain, United Arab Emirates	In person	£4,000
02 - 06 Nov 2026	Al Khobar, Saudi Arabia	In person	£4,000
02 - 06 Nov 2026	Alberta, Canada	In person	£4,000
02 - 06 Nov 2026	AlUla, Saudi Arabia	In person	£4,000
02 - 06 Nov 2026	Amman, Jordan	In person	£4,000
02 - 06 Nov 2026	Amsterdam, Netherlands	In person	£4,000
02 - 06 Nov 2026	Athens, Greece	In person	£4,000
02 - 06 Nov 2026	Baku, Azerbaijan	In person	£4,000
02 - 06 Nov 2026	Barcelona, Spain	In person	£4,000
02 - 06 Nov 2026	Berlin, Germany	In person	£4,000
02 - 06 Nov 2026	Boston, United States	In person	£4,000
02 - 06 Nov 2026	Brussels, Belgium	In person	£4,000
02 - 06 Nov 2026	Budapest, Hungary	In person	£4,000
02 - 06 Nov 2026	Cairo, Egypt	In person	£4,000
02 - 06 Nov 2026	Cape Town, South Africa	In person	£4,000
02 - 06 Nov 2026	Casablanca, Morocco	In person	£4,000
02 - 06 Nov 2026	Dammam, Saudi Arabia	In person	£4,000
02 - 06 Nov 2026	Dhahran, Saudi Arabia	In person	£4,000
02 - 06 Nov 2026	Doha, Qatar	In person	£4,000
02 - 06 Nov 2026	Dubai, United Arab Emirates	In person	£4,000

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02 - 06 Nov 2026	Edinburgh, United Kingdom	In person	£4,000
02 - 06 Nov 2026	Edmonton, Canada	In person	£4,000
02 - 06 Nov 2026	Frankfurt, Germany	In person	£4,000
02 - 06 Nov 2026	Geneva, Switzerland	In person	£4,000
02 - 06 Nov 2026	Houston, United States	In person	£4,000
02 - 06 Nov 2026	Istanbul, Turkey	In person	£4,000
02 - 06 Nov 2026	Jakarta, Indonesia	In person	£4,000
02 - 06 Nov 2026	Jeddah, Saudi Arabia	In person	£4,000
02 - 06 Nov 2026	Jubail, Saudi Arabia	In person	£4,000
02 - 06 Nov 2026	Khamis Mushait, Saudi Arabia	In person	£4,000
02 - 06 Nov 2026	Kigali, Rwanda	In person	£4,000
02 - 06 Nov 2026	Kuala Lumpur, Malaysia	In person	£4,000
02 - 06 Nov 2026	Lisbon, Portugal	In person	£4,000
02 - 06 Nov 2026	Liverpool, United Kingdom	In person	£4,000
02 - 06 Nov 2026	London, United Kingdom	In person	£4,000
02 - 06 Nov 2026	Los Angeles, United States	In person	£4,000
02 - 06 Nov 2026	Luanda, Angola	In person	£4,000
02 - 06 Nov 2026	Madrid, Spain	In person	£4,000
02 - 06 Nov 2026	Manama, Bahrain	In person	£4,000
02 - 06 Nov 2026	Marbella, Spain	In person	£4,000
02 - 06 Nov 2026	Marrakech, Morocco	In person	£4,000
02 - 06 Nov 2026	Miami, United States	In person	£4,000
02 - 06 Nov 2026	Milan, Italy	In person	£4,000
02 - 06 Nov 2026	Munich, Germany	In person	£4,000
02 - 06 Nov 2026	Muscat, Oman	In person	£4,000
02 - 06 Nov 2026	Nairobi, Kenya	In person	£4,000

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02 - 06 Nov 2026	New York, United States	In person	£4,000
02 - 06 Nov 2026	Nice, France	In person	£4,000
02 - 06 Nov 2026	Nouakchott, Mauritania	In person	£4,000
02 - 06 Nov 2026	Oslo, Norway	In person	£4,000
02 - 06 Nov 2026	Paris, France	In person	£4,000
02 - 06 Nov 2026	Port Louis, Mauritius	In person	£4,000
02 - 06 Nov 2026	Prague, Czech Republic	In person	£4,000
02 - 06 Nov 2026	Pretoria, South Africa	In person	£4,000
02 - 06 Nov 2026	Riyadh, Saudi Arabia	In person	£4,000
02 - 06 Nov 2026	Rome, Italy	In person	£4,000
02 - 06 Nov 2026	Sarajevo, Bosnia and Herzegovina	In person	£4,000
02 - 06 Nov 2026	Sharm El Sheikh, Egypt	In person	£4,000
02 - 06 Nov 2026	Singapore	In person	£4,000
02 - 06 Nov 2026	Stockholm, Sweden	In person	£4,000
02 - 06 Nov 2026	Tokyo, Japan	In person	£4,000
02 - 06 Nov 2026	Toronto, Canada	In person	£4,000
02 - 06 Nov 2026	Tromso, Norway	In person	£4,000
02 - 06 Nov 2026	Vienna, Austria	In person	£4,000
02 - 06 Nov 2026	Zagreb, Croatia	In person	£4,000
02 - 06 Nov 2026	Zurich, Switzerland	In person	£4,000
02 - 06 Nov 2026	Online, Virtual	Online	£4,000
01 - 05 Mar 2027	Abu Dhabi, United Arab Emirates	In person	£4,000
01 - 05 Mar 2027	Abuja, Nigeria	In person	£4,000
01 - 05 Mar 2027	Accra, Ghana	In person	£4,000
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28 Jun - 02 Jul 2027	Jeddah, Saudi Arabia	In person	£4,000
28 Jun - 02 Jul 2027	Jubail, Saudi Arabia	In person	£4,000
28 Jun - 02 Jul 2027	Khamis Mushait, Saudi Arabia	In person	£4,000
28 Jun - 02 Jul 2027	Kigali, Rwanda	In person	£4,000
28 Jun - 02 Jul 2027	Kuala Lumpur, Malaysia	In person	£4,000
28 Jun - 02 Jul 2027	Lisbon, Portugal	In person	£4,000
28 Jun - 02 Jul 2027	Liverpool, United Kingdom	In person	£4,000

Dates	Venue	Format	Fee
28 Jun - 02 Jul 2027	London, United Kingdom	In person	£4,000
28 Jun - 02 Jul 2027	Los Angeles, United States	In person	£4,000
28 Jun - 02 Jul 2027	Luanda, Angola	In person	£4,000
28 Jun - 02 Jul 2027	Madrid, Spain	In person	£4,000
28 Jun - 02 Jul 2027	Manama, Bahrain	In person	£4,000
28 Jun - 02 Jul 2027	Marbella, Spain	In person	£4,000
28 Jun - 02 Jul 2027	Marrakech, Morocco	In person	£4,000
28 Jun - 02 Jul 2027	Miami, United States	In person	£4,000
28 Jun - 02 Jul 2027	Milan, Italy	In person	£4,000
28 Jun - 02 Jul 2027	Munich, Germany	In person	£4,000
28 Jun - 02 Jul 2027	Muscat, Oman	In person	£4,000
28 Jun - 02 Jul 2027	Nairobi, Kenya	In person	£4,000
28 Jun - 02 Jul 2027	New York, United States	In person	£4,000
28 Jun - 02 Jul 2027	Nice, France	In person	£4,000
28 Jun - 02 Jul 2027	Nouakchott, Mauritania	In person	£4,000
28 Jun - 02 Jul 2027	Oslo, Norway	In person	£4,000
28 Jun - 02 Jul 2027	Paris, France	In person	£4,000
28 Jun - 02 Jul 2027	Port Louis, Mauritius	In person	£4,000
28 Jun - 02 Jul 2027	Prague, Czech Republic	In person	£4,000
28 Jun - 02 Jul 2027	Pretoria, South Africa	In person	£4,000
28 Jun - 02 Jul 2027	Riyadh, Saudi Arabia	In person	£4,000
28 Jun - 02 Jul 2027	Rome, Italy	In person	£4,000
28 Jun - 02 Jul 2027	Sarajevo, Bosnia and Herzegovina	In person	£4,000
28 Jun - 02 Jul 2027	Sharm El Sheikh, Egypt	In person	£4,000
28 Jun - 02 Jul 2027	Singapore	In person	£4,000
28 Jun - 02 Jul 2027	Stockholm, Sweden	In person	£4,000

Dates	Venue	Format	Fee
28 Jun - 02 Jul 2027	Tokyo, Japan	In person	£4,000
28 Jun - 02 Jul 2027	Toronto, Canada	In person	£4,000
28 Jun - 02 Jul 2027	Tromso, Norway	In person	£4,000
28 Jun - 02 Jul 2027	Vienna, Austria	In person	£4,000
28 Jun - 02 Jul 2027	Zagreb, Croatia	In person	£4,000
28 Jun - 02 Jul 2027	Zurich, Switzerland	In person	£4,000
28 Jun - 02 Jul 2027	Online, Virtual	Online	£4,000
01 - 05 Nov 2027	Abu Dhabi, United Arab Emirates	In person	£4,000
01 - 05 Nov 2027	Abuja, Nigeria	In person	£4,000
01 - 05 Nov 2027	Accra, Ghana	In person	£4,000
01 - 05 Nov 2027	Addis Ababa, Ethiopia	In person	£4,000
01 - 05 Nov 2027	Al Ain, United Arab Emirates	In person	£4,000
01 - 05 Nov 2027	Al Khobar, Saudi Arabia	In person	£4,000
01 - 05 Nov 2027	Alberta, Canada	In person	£4,000
01 - 05 Nov 2027	AlUla, Saudi Arabia	In person	£4,000
01 - 05 Nov 2027	Amman, Jordan	In person	£4,000
01 - 05 Nov 2027	Amsterdam, Netherlands	In person	£4,000
01 - 05 Nov 2027	Athens, Greece	In person	£4,000
01 - 05 Nov 2027	Baku, Azerbaijan	In person	£4,000
01 - 05 Nov 2027	Barcelona, Spain	In person	£4,000
01 - 05 Nov 2027	Berlin, Germany	In person	£4,000
01 - 05 Nov 2027	Boston, United States	In person	£4,000
01 - 05 Nov 2027	Brussels, Belgium	In person	£4,000
01 - 05 Nov 2027	Budapest, Hungary	In person	£4,000
01 - 05 Nov 2027	Cairo, Egypt	In person	£4,000
01 - 05 Nov 2027	Cape Town, South Africa	In person	£4,000

Dates	Venue	Format	Fee
01 - 05 Nov 2027	Casablanca, Morocco	In person	£4,000
01 - 05 Nov 2027	Dammam, Saudi Arabia	In person	£4,000
01 - 05 Nov 2027	Dhahran, Saudi Arabia	In person	£4,000
01 - 05 Nov 2027	Doha, Qatar	In person	£4,000
01 - 05 Nov 2027	Dubai, United Arab Emirates	In person	£4,000
01 - 05 Nov 2027	Edinburgh, United Kingdom	In person	£4,000
01 - 05 Nov 2027	Edmonton, Canada	In person	£4,000
01 - 05 Nov 2027	Frankfurt, Germany	In person	£4,000
01 - 05 Nov 2027	Geneva, Switzerland	In person	£4,000
01 - 05 Nov 2027	Houston, United States	In person	£4,000
01 - 05 Nov 2027	Istanbul, Turkey	In person	£4,000
01 - 05 Nov 2027	Jakarta, Indonesia	In person	£4,000
01 - 05 Nov 2027	Jeddah, Saudi Arabia	In person	£4,000
01 - 05 Nov 2027	Jubail, Saudi Arabia	In person	£4,000
01 - 05 Nov 2027	Khamis Mushait, Saudi Arabia	In person	£4,000
01 - 05 Nov 2027	Kigali, Rwanda	In person	£4,000
01 - 05 Nov 2027	Kuala Lumpur, Malaysia	In person	£4,000
01 - 05 Nov 2027	Lisbon, Portugal	In person	£4,000
01 - 05 Nov 2027	Liverpool, United Kingdom	In person	£4,000
01 - 05 Nov 2027	London, United Kingdom	In person	£4,000
01 - 05 Nov 2027	Los Angeles, United States	In person	£4,000
01 - 05 Nov 2027	Luanda, Angola	In person	£4,000
01 - 05 Nov 2027	Madrid, Spain	In person	£4,000
01 - 05 Nov 2027	Manama, Bahrain	In person	£4,000
01 - 05 Nov 2027	Marbella, Spain	In person	£4,000
01 - 05 Nov 2027	Marrakech, Morocco	In person	£4,000

Dates	Venue	Format	Fee
01 - 05 Nov 2027	Miami, United States	In person	£4,000
01 - 05 Nov 2027	Milan, Italy	In person	£4,000
01 - 05 Nov 2027	Munich, Germany	In person	£4,000
01 - 05 Nov 2027	Muscat, Oman	In person	£4,000
01 - 05 Nov 2027	Nairobi, Kenya	In person	£4,000
01 - 05 Nov 2027	New York, United States	In person	£4,000
01 - 05 Nov 2027	Nice, France	In person	£4,000
01 - 05 Nov 2027	Nouakchott, Mauritania	In person	£4,000
01 - 05 Nov 2027	Oslo, Norway	In person	£4,000
01 - 05 Nov 2027	Paris, France	In person	£4,000
01 - 05 Nov 2027	Port Louis, Mauritius	In person	£4,000
01 - 05 Nov 2027	Prague, Czech Republic	In person	£4,000
01 - 05 Nov 2027	Pretoria, South Africa	In person	£4,000
01 - 05 Nov 2027	Riyadh, Saudi Arabia	In person	£4,000
01 - 05 Nov 2027	Rome, Italy	In person	£4,000
01 - 05 Nov 2027	Sarajevo, Bosnia and Herzegovina	In person	£4,000
01 - 05 Nov 2027	Sharm El Sheikh, Egypt	In person	£4,000
01 - 05 Nov 2027	Singapore	In person	£4,000
01 - 05 Nov 2027	Stockholm, Sweden	In person	£4,000
01 - 05 Nov 2027	Tokyo, Japan	In person	£4,000
01 - 05 Nov 2027	Toronto, Canada	In person	£4,000
01 - 05 Nov 2027	Tromso, Norway	In person	£4,000
01 - 05 Nov 2027	Vienna, Austria	In person	£4,000
01 - 05 Nov 2027	Zagreb, Croatia	In person	£4,000
01 - 05 Nov 2027	Zurich, Switzerland	In person	£4,000
01 - 05 Nov 2027	Online, Virtual	Online	£4,000

Certificate

Attendees who successfully complete the Advanced Ultrasonic Testing Techniques Training Course receive a Certificate of Completion from Institute For Oil & Gas Training.

The certificate recognises completion of the training programme and participation in its technical learning activities. Attendees must satisfy the institute's attendance requirement for the course to receive the certificate. Attendance and successful completion of the training do not, by themselves, constitute formal PAUT or TOFD personnel certification or confer independent authorisation to perform regulated or employer-controlled inspection activities.