

# GAS TESTING, AUTHORISED GAS TESTER

## COURSE AIM

These programmes are designed to meet the initial onshore training and validation requirements for personnel preparing to work as Authorised Gas Testers (AGT) for a variety of products and work environments.

- AGT Level 1 is required for those involved with performing a test for oxygen, flammable and toxic gases up to and including working in confined spaces.

Note: Persons undertaking Safety Watch duties at the entrance to a confined space shall be an AGT Level 1 Gas Tester.

- AGT Level 2 is required for those involved with testing for flammable gas in preparation for hot work.
- AGT Level 3 is required for those who provide safety watch duties by the ongoing monitoring of a hot work site.

## COURSE CONTENT

Course participants will gain a basic level of understanding and an awareness of safety & emergency procedures, and will be required to demonstrate their skills, knowledge & understanding in the following key areas,

### Authorised Gas Tester Level 1

On successful completion of the training, the delegate will be able to demonstrate an understanding of:

- Confined space criteria,
- The hazards of operations within an oxygen deficient, toxic or flammable environment,
- Carrying out a suitable and sufficient risk assessment,
- Using safe systems of work,
- The implications of organisational and statutory requirements,
- Interpreting operational requirements,
- Selecting and using PPE and RPE,
- Working within the Permit to Work system,
- The operating principles of atmosphere monitoring and measuring equipment,
- Gas detector pre-start checks,
- Calibrating the instruments used in atmospheric testing,
- How to set up the relevant detector for each gas testing application,
- The behaviour of different flammable and toxic gases,
- The range and frequency of tests,
- Acceptable levels of flammable and toxic gases,
- Performing gas tests in sequence,
- Obtaining a representative atmosphere sample,
- Monitoring and retesting,
- Where to site ongoing monitoring equipment,
- Interpreting and documenting the results.

### Module 2 Authorised Gas Tester Level 2

On successful completion of the training, the delegate will be able to demonstrate an understanding of:

- Hot work and the production of flammable and toxic gases,
- The principles of hot work gas testing,
- The hazards and properties of flammable gases,
- Using risk assessments and safe systems of work,
- The implications of organisational and statutory requirements,
- How to interpret operational requirements,
- How to select, use and care for PPE and RPE,
- How to work within the Permit to Work system,
- Interpreting relevant operational instructions,
- The operating principles of atmosphere measuring equipment,

