

## **Penetrant Testing Level 1**

Candidates will have the opportunity to use the various techniques on welds, castings and wrought products whilst gaining detailed theoretical and practical knowledge on all the commonly encountered penetrant testing techniques. This course is suitable for beginners and personnel with existing NDT knowledge, this course is PCN recognised and provides excellent preparation for Level 1 and 2 examinations. It meets the training hour requirements as specified by the relevant PCN documentation.

### **Course content**

- Penetrant testing terminology
- Introduction to the penetrant method
- Principles of penetrant inspection
- Penetrant inspection equipment
- Performance checking
- Defect detection and evaluation
- Penetrant techniques
- Relevant standards & H&S considerations
- PCN documentation
- Product technology
- Extensive practical element

Validated by BINDT and recognised by PCN

### **Responsibilities of an Penetrant Testing Level 1 certified NDT professional**

An individual certified to Penetrant Testing Level 1 has demonstrated competence to carry out Penetrant Testing according to written instructions and under the supervision of Level 2 or Level 3 personnel. Within the scope of the competence defined on the certificate, Level 1 personnel may be authorised by the employer to perform the following in accordance with Penetrant Testing instructions:

- Set up Penetrant Testing equipment
- Perform Penetrant Inspection tests
- Record and classify results of the tests according to written criteria
- Report the results of Penetrant tests

Penetrant Testing Level 1 certified personnel shall neither be responsible for the choice of test method or technique to be used, nor for the interpretation of the test results.

### **Training and experience hours required for Certification**

Full PCN certification is only achieved once the required experience is acquired following the completion of the required training hours and passing of the examination:

Penetrant Testing

Level 1 – 16 training hours and 1 month experience