

POLYETHYLENE ELECTRO FUSION WELDING

Course Description

This fully certified course has been developed in conjunction with Irish Water. It was developed as an up-skilling initiative to meet the expansion of the use of Polyethylene EF Welding in the Irish Construction sector. The objective is to provide the learners who have previous experience in Polyethylene Electro Fusion Welding with the skills to enable them to use Electro Fusion welding equipment to weld/join polyethylene pipe safely on potable water and waste water mains systems using Electro Fusion Techniques to IS EN 13067:2020 standard. This course now also includes a module on Water Hygiene. This is an on-site Classroom and Workshop course and learners will need to be in attendance in full for the 5 days.

Fergus Collins, Head of Capital Delivery at Irish Water said, "Irish Water were delighted to be working in conjunction with the WWETB on the development of the course material associated with this training programme and in doing so help raise the knowledge, standards and expertise within the supply chain on our technical requirements in this area. Irish Water feel that supporting industry skilled training programmes such as this can only help drive the quality and consistency across the industry to the benefit of all".



Funding

This course is being funded for those who are Initiative (STA). STA is a SOLAS Initiative in partnership with WWETB and supported by Government. STA aims to equip employees with the skills to progress in their current job, or to take advantage of new job opportunities. On successful completion of this 5 day course there are up to 40 CIRI CPD points.

Course Certification

On successful completion of the course, the learners will receive a:

Polyethylene Electro Fusion Welding Certificate
Certified to IS EN 13067: 2020
Water Hygiene Card

Course Materials

All training materials, polyethylene consumables and welding equipment supplied.

Who Should Attend

Employees who are currently working for a company that is actively working on Electro Fusion Projects.

Learner Entry Requirements

Previous Experience: Minimum of 1 year

Experience of Electro Fusion Welding or previously received certification in Electro Fusion Welding.

Course Content

- Carry out pre-use safety and operational checks on equipment.
- Carry out pre-use checks on fittings in accordance with manufacturer's instructions.
- Check pipes and fittings for defects and deficiencies.
- Have a strong understanding of all of the Irish Water guidelines laid out in IW-TEC-1001, Code of Practice and standard detail drawings.
- Describe visual faults in Electro Fusion joints and know how to prevent faults.
- Explain the factors which affect the operation of fusion equipment.
- Apply the correct procedure for preparing pipes for jointing.
- Apply the correct procedure for electro-fusing pipes and fittings.
- Outline the requirements for documentation required by the main contractor in order to sign off on the finished water main.
- Understand destructive testing requirements.
- Comprehend pre-requisites for chlorination and sterilisation.
- Understand the pressure testing procedure requirements carried out post installation.
- Understand the Drinking Water System and the process of clean drinking water from source to supply.
- Conduct PH Water sampling.
- How the safety of water can be maintained by good hygiene practices.

**Courses ongoing in
Waterford 2023/2024**
For further details contact
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