



Geomembrane lining project demands plastics welding skills in New Caledonia

Global changes in legislation are still driving an expansion in demand for plastics welder training and certification. The changes in legislation mean that certification is now required to guarantee the skill and knowledge of welders when installing plastic fabrications. TWI are perfectly positioned to respond to this demand by delivering quality training in plastics welding processes, supported by internationally recognised CSWIP certification.

TWI's plastics welder training and certification programme includes [Hot Gas and Extrusion Welding](#), [Extrusion Welding](#), [Butt Fusion and Electrofusion](#) and [Welding of Lining Membranes](#). Demand continues to grow around the world, and TWI have been able to respond quickly to changes in the market, developing their offering effectively and tailoring the courses to the clients' needs, especially in new markets such as the Middle East, Malaysia and the African states of Uganda and Nigeria.

Eau and Environnement, whose head office is based in New Caledonia were tasked with the drainage, protection and sealing of the storage area for the residue from the Goro and Koniambo nickel mines in the Pacific island of

New Caledonia, and were asked to provide many products for the management of soil and waters, and several industrial processes, in both mines. In order to equip their team with the skills necessary to work on the project, specifically the geomembrane lining, TWI's instructor Andy Knight flew out to New Caledonia to certify two teams on the plastics welder programme under CSWIP (Certification Scheme for Welding and Inspection Personnel) in Extrusion and Heated Wedge Welding through both theory and practical sessions.

The on-site welding course concluded with each candidate undertaking a 20-question multiple-choice paper and practical examinations. Welded test pieces produced by the candidates were brought back to the UK for independent third-party testing. Successful completion of the course led to all of the candidates gaining a standard (to EN 13067, Approval Testing of Plastic Welders) or entry level qualification in Geomembrane Welding.

For further information about Plastics Welder Training, contact Scott Andrews scott.andrews@twi.co.uk



[Watch plastics joining training at TWI on YouTube](#)

Case studies:

- [Greenstar - Ballynagran, Ireland](#)
- [Irish Fertiliser Industries - Belfast](#)
- [Specialist Welding Services - Isle of Lewis](#)
- [Polypipe Civils - Loughborough](#)
- [Baywood Dextron Ventures - Nigeria](#)
- [SWS - Uganda](#)

Welding Guides:

- [Hot gas welding](#)
- [Hot gas welding - part 2](#)
- [Extrusion welding](#)
- [Butt fusion welding](#)

[Further information on plastics training](#)

Best Practice Posters available for downloading:

- Hot gas welding [[Click Here](#)]
- Extrusion welding [[Click Here](#)]