

Course Brochure

TWI Certifications

CSWIP 3.1 ,CSWIP 3.2
BGAS Grade 1 ,BGAS Grade 2



THE LEADING AUTHORISED
TRAINING REPRESENTATIVE
OF TWI IN KERALA



www.blastlineinstitute.com



BLASTLINE
INSTITUTE

Inspector Level Certifications



The Welding Institute, Cambridge, UK, offers the following quality inspection certifications through Blastline Institute

Training with TWI leads to internationally recognised qualifications which deliver real benefits to industry through the acquisition of new competences. If you are an individual, training with us can improve your skills therefore career progression and the certification provides verification of your competence to a recognised standard.

TWI's portfolio of courses and certification schemes is regularly updated to maintain TWI's position as the world leader in its field, so you can be sure that your training is internationally recognised by certification award bodies including CSWIP, BGAS-CSWIP etc.



CSWIP

Certification Scheme for
Welding and Inspection Personnel



The Certification Scheme for Welding and Inspection Personnel (CSWIP) is a comprehensive scheme that provides for the examination and certification of individuals seeking to demonstrate their knowledge and/or competence in their field of operation. The scope of CSWIP includes all levels of Welding Inspectors, Welding Supervisors, Plant Inspectors, Welding Instructors, Underwater Inspectors, and NDT personnel.

CSWIP is managed by Certification Management Board of TWI, which acts as the Governing Board of Certification, in keeping with the requirements of the industries served by the scheme. The certification management board, in turn, appoints specialist management committees to oversee specific parts of the scheme. All CSWIP Boards and committees comprise member representatives of relevant industrial and other interests. UKAS accredits TWI Certification Ltd to BS EN ISO/IEC 17024 for certification for personnel.

BGAS - CSWIP



BGAS-CSWIP certificates are applicable in a number of industrial sectors, and of particular relevance to transmission pipeline personnel. BGAS-CSWIP certification also acts as a progression pathway for those seeking a career change and for established inspectors who require extension to the scope of their certification for new job roles.

Addressing the competence requirements of the whole range of pipeline integrity job roles, from Agricultural/ Environmental Inspector, through Welding Inspector and NDT Inspectors, to Painting, Coating and Pipeline Inspectors, the BGAS-CSWIP certificates ensure that employees have the appropriate level of knowledge and skills for their allocated tasks.

CSWIP 3.1 Welding Inspector

Suitable for:

Inspection engineers and supervisory staff. The course is ideal for inspectors requiring preparation for the CSWIP examinations.

Course content:

The duties and responsibilities of a welding inspector; fusion welding processes; typical weld defects; types of steel; carbon-manganese, low alloy and stainless steels; hardening of steels; weldability; heat treatment; parent metal defects; visual inspection; testing parent metals and welds; destructive tests; NDT techniques; welder and procedure approval; codes and standards; outline of safe working practices; practice in examination questions; continuous and end-of-course assessment.

In addition, candidates meeting the CSWIP requirements for eligibility complete the relevant CSWIP examination on day 5.

CSWIP 3.2 Senior Welding Inspector

Suitable for:

Experienced welding inspectors and quality control staff, especially those who are proceeding to the CSWIP Senior Welding Inspector examination. It is essential that course members have a knowledge of the subjects covered in Course Welding Inspection before joining this course.

It is the responsibility of the examination candidates to either hold CSWIP Welding Inspector or consider attending the Welding Inspector course and examination (WIS5E) prior to this course/ examination. The CSWIP Senior Welding Inspector course covers a wide range of subjects; therefore, it is advisable for the students to do some preparation before attending the course.

Course content:

QA and QC; destructive testing; heat treatments; welding procedures; welding dissimilar; residual stress and distortion; weldability; weld fractures; welding symbols; non-destructive testing; welding consumables; weld repairs; specifications; joint design; HSLA, and quenched and tempered steels; arc energy and heat input.



BGAS Grade 1 Offshore Painting Inspector

Suitable for:

Candidates with or without experience in the Painting Inspection Industry. Candidates will be assessed during the course and advised on either grade 3 or 2 exam route dependent on their progress during training.

Entry requirements:

Experience may be acquired prior to or following success in the examination. In the event that the experience is sought following a successful examination, the results of the examination shall remain valid for two years.

The minimum duration for industrial experience prior to or following success in the qualification examination is 6 months, showing knowledge of dry abrasive blast cleaning or industrial paint application techniques.

Course content:

- Corrosion theory • surface preparation • surface contaminants and tests • paint constituents and technology; solutions and dispersions • drying and curing properties and performance; specified painting conditions • cathodic protection • holiday/pinhole detection • paint-application methods • paint/paint film testing • paint identification; metal coatings • paint faults • colour • inspection methods • specification requirements • health, safety and working practices.

BGAS Grade 2 Painting Inspector

Suitable for:

Candidates who already hold BGAS Grade 2 with a good knowledge of offshore working, safety, and painting inspection. This advanced qualification deals specifically with offshore projects.

Entry requirements:

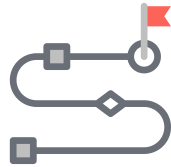
Experience may be acquired prior to or following success in the examination. In the event that the experience is sought following successful examination, the results of the examination shall remain valid for two years.

The minimum duration for industrial experience prior to or following success in the qualification examination is 6 months, showing knowledge of dry abrasive blast cleaning or industrial paint application techniques.

Course content:

- Zones of offshore structures • offshore working • emergency procedures • escape routes • permit-to-work systems • vessel entry and enclosed space working • fire protection • BS 5378 safety signs and colours • BS 1710 identification of pipelines • finish colour schedules BS381C and BS4800





Your Path to Success Starts Here

Course Duration: **12+ 5 Days**

ENROLL NOW

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Institute Location



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INSTITUTE

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