



Welding you can trust
**Proven quality for power
& process industries**

BWSC welding solutions

For more than 40 years, BWSC has delivered reliable welding solutions for the power and process industries. Our experience spans from high-pressure systems, thermal plants, and complex industrial installations, where precision, safety, and documentation are non-negotiable. Every weld is executed according to one of our Welding Procedure Specifications (WPS) and verified to meet the highest technical and regulatory standards.





○ Planning and documentation

Before welding begins, the base materials are defined and the optimum WPS is chosen from our portfolio of more than 200 qualified procedures covering all material groups. When new procedures are required, BWSC develops and qualifies them in collaboration with a notified third-party body.

Our third-party partners establish the Non-Destructive Testing (NDT), which may include visual (VT), magnetic particle (MT), Penetrant (PT), radiographic (RT), ultrasonic (UT), or positive material identification (PMI) testing. All requirements are defined in a project-specific Inspection & Test plan (ITP), developed in cooperation with the customer, and with the relevant standards, to ensure that the correct WPS and welding methods are selected.

○ On-site execution

Once preparations are complete, our welding coordinator and certified welders begin work on site. All filler materials and shielding gases are applied according to the selected WPS, and welding equipment is verified and calibrated. Material certificates and charge numbers are cross-checked before welding begins. Throughout the process, pre-heat, and inter-pass temperatures are continuously monitored and recorded to comply with WPS requirements. Post-weld heat treatment (PWHT) is applied according to the WPS. NDT and Pressure testing is carried out as required by ITP.

All welding activity is documented digitally in SOCWeld or an equivalent system, ensuring that every weld, inspection, and process parameter is traceable and verified.

○ Documentation and quality assurance

Throughout the process, the complete documentation is maintained, including material and consumable certificates, NDT reports, and a full welding logbook. All work is executed in accordance with EN ISO 3834 series, PED, and project-specific quality requirements, as applicable, ensuring transparency and full traceability from planning to delivery.

Our strengths

Our team combines technical knowledge with practical experience across all welding processes, TIG, MIG, MAG, and electrode welding for both standard construction steel and high-alloy materials. We have a broad range of experience working with pressurized systems, retrofits, and complex mechanical assemblies, always focusing on safety, quality, and efficiency. Every project is led by experienced project managers and engineers, who ensure consistent communication, documentation, and no additional unplanned downtime.

Additionally, our engineering department, covering civil works, mechanical engineering, and 3D pipework design, can support design changes or adaptations during installation and construction. BWSC also manages the replacement of larger units and equipment requiring rigging, ensuring these complex operations are executed safely, efficiently, and with minimal disruption to site activities.

At BWSC, we combine craftsmanship with engineering excellence. From planning to execution, every weld is traceable and verified to meet the highest standards within heavy industries.

BWSC



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