

The importance of qualifications and monitoring of welding

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Abstract:

Welding is a greatly under-estimated process happening on high value-added parts across the construction industry. It is critical to ensure correct design and execution of the welding to achieve the necessary level of structural reliability. Welding involves many essential variables that are required to be controlled to achieve the desired result. It is qualified as a special process since it cannot be verified after completion without destructive testing. The post-welding inspections only verifies the presence of imperfections, but do not confirm the metallurgical integrity or mechanical properties of the welded joints.

This presentation will provide a step-by-step approach to the welding process on projects from tender to final installation, identifying the risks and how to manage them, and will include some relevant case studies.

Speaker:



Victor Blain, Senior Welding Engineer at Weld Australia

Victor is a solution-oriented engineer with over 12 years' experience in the field of materials and welding.

He started his career as a trade welder and further developed himself into becoming an expert by progressing from metallurgy technician to mechanical engineer and International Welding Engineer (IWE).

This career process is providing him with hands on knowledge beside his highly technical skills. Victor has experience in the rolling stock, aerospace, energy and construction industries. His experience varies from project start-ups, welding coordination and management, supplier audit/support in multiple countries including Canada, Australia, China, New Zealand, and Malaysia, production troubleshooting, and company certification.

Victor joined Weld Australia almost two years ago where he is providing welding engineering consultancy for the manufacturing, rollingstock, construction and infrastructure industries.