

Australian Industry **ozWELD**

WINS!

WTIA National Diffusion Networks Project (NDNP) funded by the Federal and State and Territory Governments and industry



SUCCESS STORY NUMBER W08: TOTAL WELDING MANAGEMENT EMBRACED BY MAJOR SA FABRICATOR – *Water industry forums lead to international competitiveness*

SA Steel Fabricator

Ottoway Engineering Pty Ltd is one of South Australia's leading steel fabrication companies. With specialised services in fabrication of pipe spooling and pressure vessels for the petro-chemical, mining and water industries Ottoway also has an excellent history in project management of completed turnkey packages for these industries as well as light to heavy general and structural steel fabrication.

Water industry work includes irrigation and pump station installations and upgrades, large mild steel cement lined (MSCL) mains water pipe fabrication and installation, custom water industry related pipework and other products, and pipeline maintenance projects.



Water pump skid

Welding Quality Assurance

Ottoway Engineering Pty Ltd maintains a Quality Assurance System, which has been certified to AS/NZS ISO 9001-2000. The company, however, is constantly improving their systems, and through attendance at a number of WTIA Technology Forums for the Water Industry Sectoral Project, became aware of the advantages of also implementing an integrated Total Welding Management System to ISO 3834:2005 *Quality requirements for welding - Fusion welding of metallic materials*. The forums were sponsored by SA Water, one of the company's major clients and a member of the WTIA's NDNP, as well as the SA Government through the Department of Trade and Economic Development.

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Expert Technology Tools

As an output of the NDNP, WTIA has created a suite of Technical Guidance Notes to assist companies such as Ottoway to assess the benefits of this international benchmarking Standard and undertake implementation.

- *Questions and Answers* is available as both a PowerPoint presentation for use within companies (TGN-3834-01) and a document (TGN-3834-02) for follow up and reference after the presentation and general use. These support the staff in the company who are responsible for 'championing' the introduction of the new system;
- TGN-3834-03 details *How to specify ISO 3834*;
- TGN-3834-04 *How to specify training and qualifications of welding coordination personnel* includes listing of WTIA International Institute of Welding (IIW) Approved Training Bodies (ATBs);
- TGN-3834-05 tells employers *How to specify tasks and responsibilities for Welding Coordinators to ISO 14731*;
- TGN-3834-06 details *How to obtain certification*; and,
- TGN-3834-07 discusses *How to achieve recognition*

WTIA Role

WTIA's SA Technology Manager, Greg Terrell, worked with Dieter Galuszka Ottoway's Welding Coordinator, a qualified IIW International Welding Technologist and IIW International Welding Inspector, to audit the current welding operations and their management. Outcomes of the audit have now been addressed, and the company is applying for ISO 3834 certification through WTIA and TWI the UK authorisation body.

Outcomes

With the company now targeting the export market, Ottoway Engineering is well placed to compete successfully for lucrative welding projects, for the benefit of the SA economy.