



WELDING ENGINEERING CONSULTANCY CAN OFFER

- ✓ **Act as the Responsible Welding Coordinator (RWC) for your company**
 - Responsible for your welding process and systems in accordance with EN 1090/ISO 3834
 - Ensure all your welding documentation, process and systems are acceptable.
 - **Represent your** company when customers visit or in any welding discussions
 - Write and stamp your WPS documentation with a European Welding Engineer's stamp
 - ASME IX - QG-106 act as your Welding coordinator

- ✓ **Welding Procedure Specifications (WPSs) - writing, reviewing and improving advice**
 - Review your WPS documentation before you send it to your customer
 - Write a report for your company on any updates or modifications your WPSs need
 - Write the WPS for your company before you send it to your customer and stamping it with a European Welding Engineer stamp (if BWEC acts as your RWC).

- ✓ **Advice on Welding Procedure Qualification Records (W)PQRs - reviewing or improving**
 - Reviewing the (W)PQRs (and WPSs) before you send it to your customer

- ✓ **Preliminary Welding Procedure Specifications (before you weld your (W)PQR)**
 - Supervise and control the welding tests ensuring all documents and procedures are correct
 - Advice and reviewing the pWPS before you weld the PQR before you send it to your customer
 - Is it the best range you can get? Give advice on how it might be improved, with some changes you could get a bigger range for the same test cost.

- ✓ **Improving your welding processes and quality**
 - Look at the product or the process, can it be improved?
 - Can a different welding process, material or joint type be used?
 - Can the welding process change to a semi-automatic or automatic weld?
 - Can the weld be moved to reduce distortion, can the weld be removed altogether and joined in a different way to stop the distortion?

- ✓ **Advice on Coded welders qualifications - advice, reviewing or improving**
 - Advice to improve their range, material, diameter or thickness. Less testing saves money and means the welders are welding more not practicing for a test
 - Standards - BS EN ISO 9606 sections 1 to 4 (the new BS EN 287-1), ASME IX etc.

- ✓ **Welding audits according to EN 1090/ISO 3834 for your Company or your Supplier**
 - Audit (and review) your company (or your supplier) according to EN 1090/ISO 3834
 - Produce an audit report of your (or your suppliers) welding processes looking at Technical review (section 5) through to section 18, Quality of EN ISO 3834-2 related to EN 1090.

- ✓ **Welding problems - investigation for your Company or your Supplier**
 - Is your customer asking questions about a welding problem?
 - Get an investigation report by a Certified International & European Welding Engineer investigating the root cause and detailing any corrective actions.

- ✓ **Training or understanding specific or general welding processes**
 - If your company simply needs some training in different aspects of welding e.g. defects and understanding why they are caused, welding process etc.

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The costing for the different services are very simple.

Type of work	Type of rates	Description
Quoted work	✓ Quoted fixed cost	Any type of welding engineering work
Hourly rate	✓ An agreed fixed hourly rate	This type of contract could be for projects you have that involve some form of welding engineering. It might not be needed straight away but can be used at anytime with an agreed timeframe
Retention contract	✓ Lower Day rate ✓ Lower hourly rate	With this contract the key advantages are: <ul style="list-style-type: none"> ✓ Lower fixed day rate ✓ Monthly visits to your site ✓ WECs acting as your RWC for EN 1090/ISO 3834 ✓ Reviewing and running PQR's tests and writing WPS's ✓ Sign your WPS's document and stamp with a European Welding Engineers stamp ✓ Review your clients welding standards where required

Any work required that is detailed on the first page without a retention package can be quoted separately plus any reasonable expenses if they apply. This could be working from the WECs office or at your site depending upon location and nature of the work required.

The WECs offer of a retention package has full access to the services detailed. Once the retention package is agreed for the first visit WECs would normally audit your site in line with the requirements of EN 1090/ISO 3834 for welding. This will highlight the areas of possible improvement and can be used as an action plan to achieve the accreditation over time.

Ongoing WECs can help with any welding engineering issues i.e. reviewing WPS documentation or your client issues that you might not have the resources to deal with.

If you would like to discuss this further please contact me using the details below.

QUALIFICATIONS AND CONTACT DETAILS

- Masters degree in Welding Engineering from Cranfield University
- Certified International & European Welding Engineer 2012 - to present
- International & European Welding Engineer - Diploma in Welding
- Previously qualified CSWIP 3.1 Visual Welding Inspector
- A Fellow of The Welding Institute (FWeldI)
- Chartered Engineer status (CEng.)
- European Engineer status (EUR ING)
- Member of the professional board of The Welding Institute
- Deputy chair of the trail blazer committee (Institute of Apprenticeships) for welding apprenticeship
- Member of the American Welding Society (AWS)
- Use of Six Sigma green belt (problem-solving process to find the root cause etc.)

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