



**Practical, quality and  
value creation welding  
integrity solution provider**

# COMPANY BACKGROUND

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Chen Welding Integrity Services (CWI), a welding technology-oriented company, started its journey in March 2017. Its establishment was initiated by a competent, experienced, passionate and internationally certified welding engineer. CWI is based in Kuala Lumpur, Malaysia. CWI focuses on providing practical, quality and value creation welding integrity solutions to customers.

In its half of decade journey of serving the industry, CWI has provided, developed and implemented welding integrity solutions to resolve the complex welding challenges that encountered by its customers in the oil, gas, hydropower, manufacturing, aviation and construction industries across Asia continent. Welding integrity solutions that have been provided and developed by CWI are ranging from desktop study to complex in-situ support.

CWI is dedicated in developing solutions with the mission of bringing most appropriate and valuable solutions to resolve welding challenges in a cost-efficient manner for its customers. CWI also develop solutions in a time-efficient perspective to assist its customer to prevent unfavourable impact to operation and progress of work but without compromising integrity and quality of work.

The services of CWI are delivered by experienced and highly qualified technical staff. Most of our technical staff are academically qualified to Bachelor and Master degree in engineering subject. CWI technical staff are also certified by international engineering professional bodies such as international welding engineer, chartered engineer and international professional engineer, certified by international certification body as welding and NDT inspector as well as registered as a member of professional institutions.

The competency, qualification, professionalism and experience of technical staff are our backbone for shaping us to become a reliable and quality welding integrity solution partner for our customers.

## **Mission**

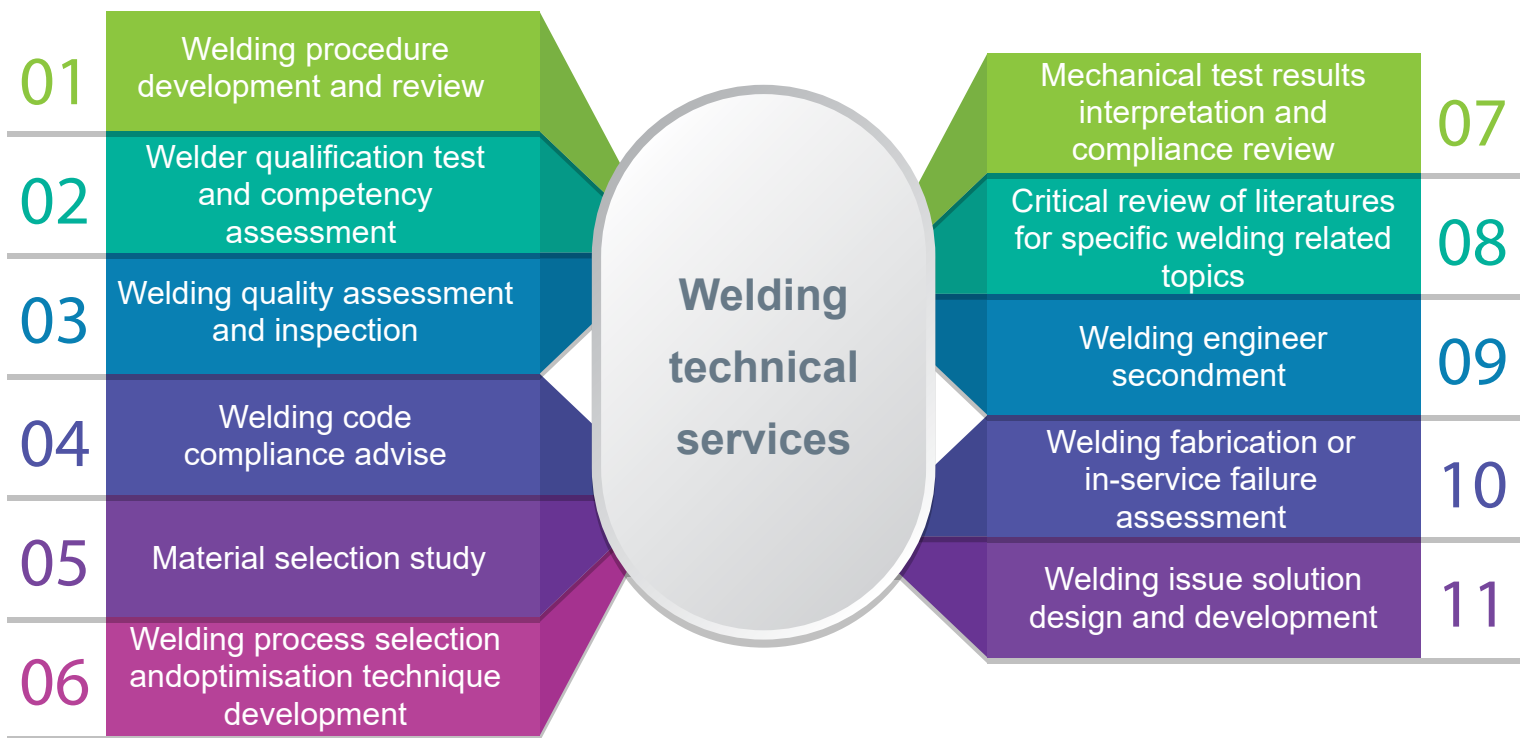
CWI focuses on design and develop welding integrity solution and provide quality welding support to resolve welding challenges for our customers in a cost effective and efficient manners to ensure the quality and integrity of work. CWI also aims to accelerate the development of quality, practical and value-added welding solutions in supporting our customer to minimise downtime and business loss.

# INDUSTRIAL SECTOR



# SERVICES

CWI offers a wide range of welding related services, the services are categorised into welding technology services, welding quality services, welding fabrication services and welding training services.



## Welding quality services

Inspection and welding record traceability system development and implementation

ISO 3834 welding quality management development and review

ISO 3834 contract welding coordinator secondment

Welding project quality management system development and implementation

Independent quality compliance surveillance

Inspection and welding record compliance review

Welding project quality management system development and implementation

Welding and quality specification review and requirement identifications

Pre contract award second or third-party audit of fabricators and inspection companies





# SUCCESS PROJECTS

CWI has successfully developed various types of welding solution to the resolve complex welding challengers for it's customers. The solution developed by our technical staff have been recognised and complimented by customers for the quality, reliability and excellency of services.

The success project examples showcase here demonstrate our experience, quality, competency, professionalism and excellency of the services to industry.

## Outputs

The welding repair procedure and welding quality record practices met the requirements of ISO 14731.

The welding repair and welding quality record practices satisfied the audit requirements of the aviation regulator.

The welding repair and welding record management practices of the company improved to the quality standard of ISO 14731.

The responsible engineer capable to carry out welding surveillance in accordance with ISO 14731 requirements and derive welding requirements based on customer and code requirements.

## Objectives

**ISO 14731  
responsible welding  
coordinator and  
aviation regulatory  
compliances**

## Inputs

### Surveillance:

- Welding repair practices
- Review welding quality control and record management practices
- Identify noncompliances and gaps

### Bridging:

- Provide recommendations to rectify the noncompliance and gaps
- Produce welding repair procedure and record templates in compliance with ISO 14731 requirements

### Implementation:

- Implement the welding repair procedure
- Carry out trials to exercise procedure requirements
- Carry out regular surveillance in accordance with ISO 14731 requirements

### Coaching:

- Welding coordination and surveillance
- Review and identify welding requirements

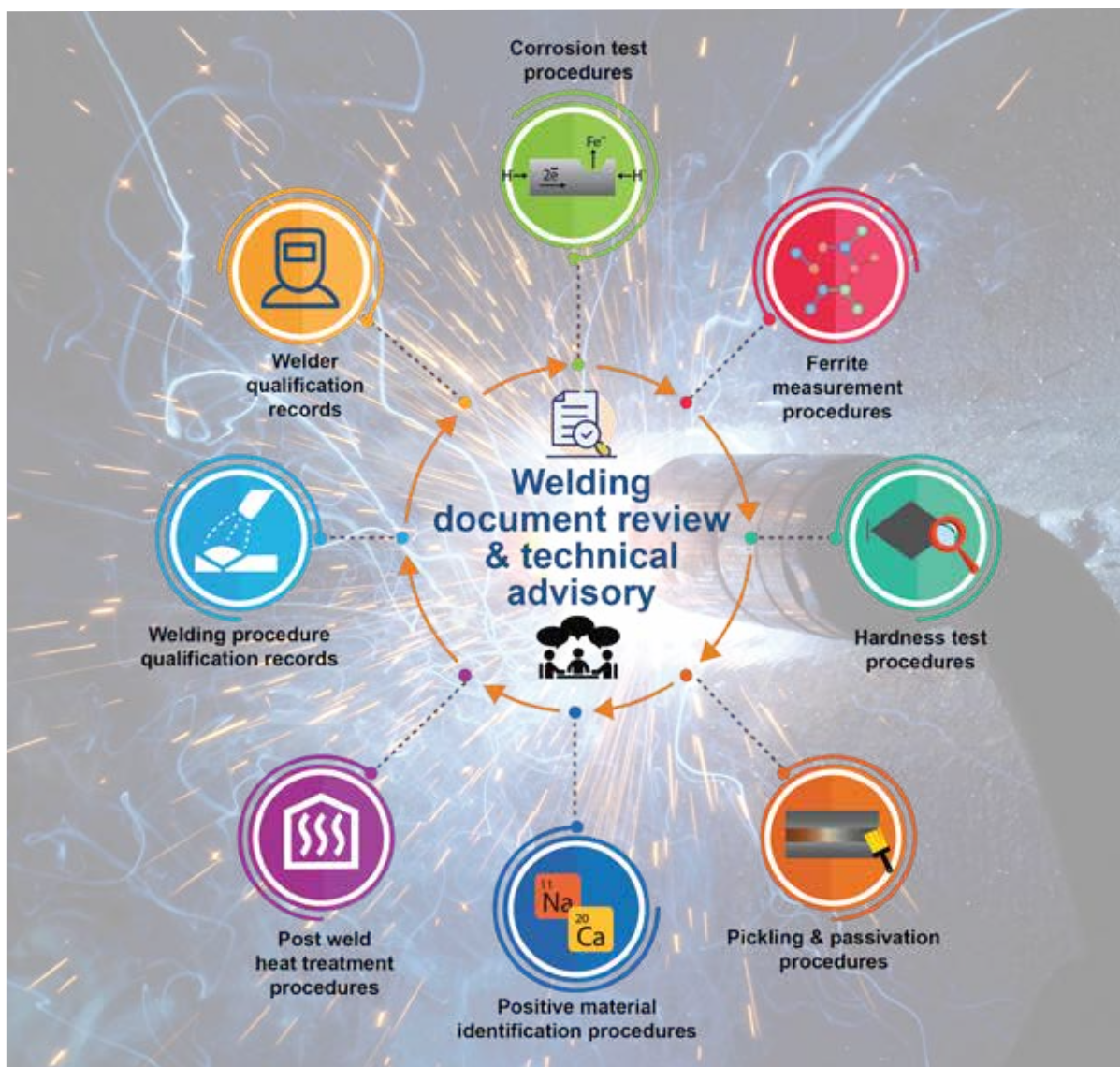
## Responsible welding coordinator for aircraft component MRO company

Responsible welding coordinator support for compliance of ISO 3834-2 and ISO 14731 requirements and development of welding repair traceability and quality control system. A third-party MRO auditor described the system developed by CWI was well developed and comprehensive as well as complied with the MRO audit requirements.



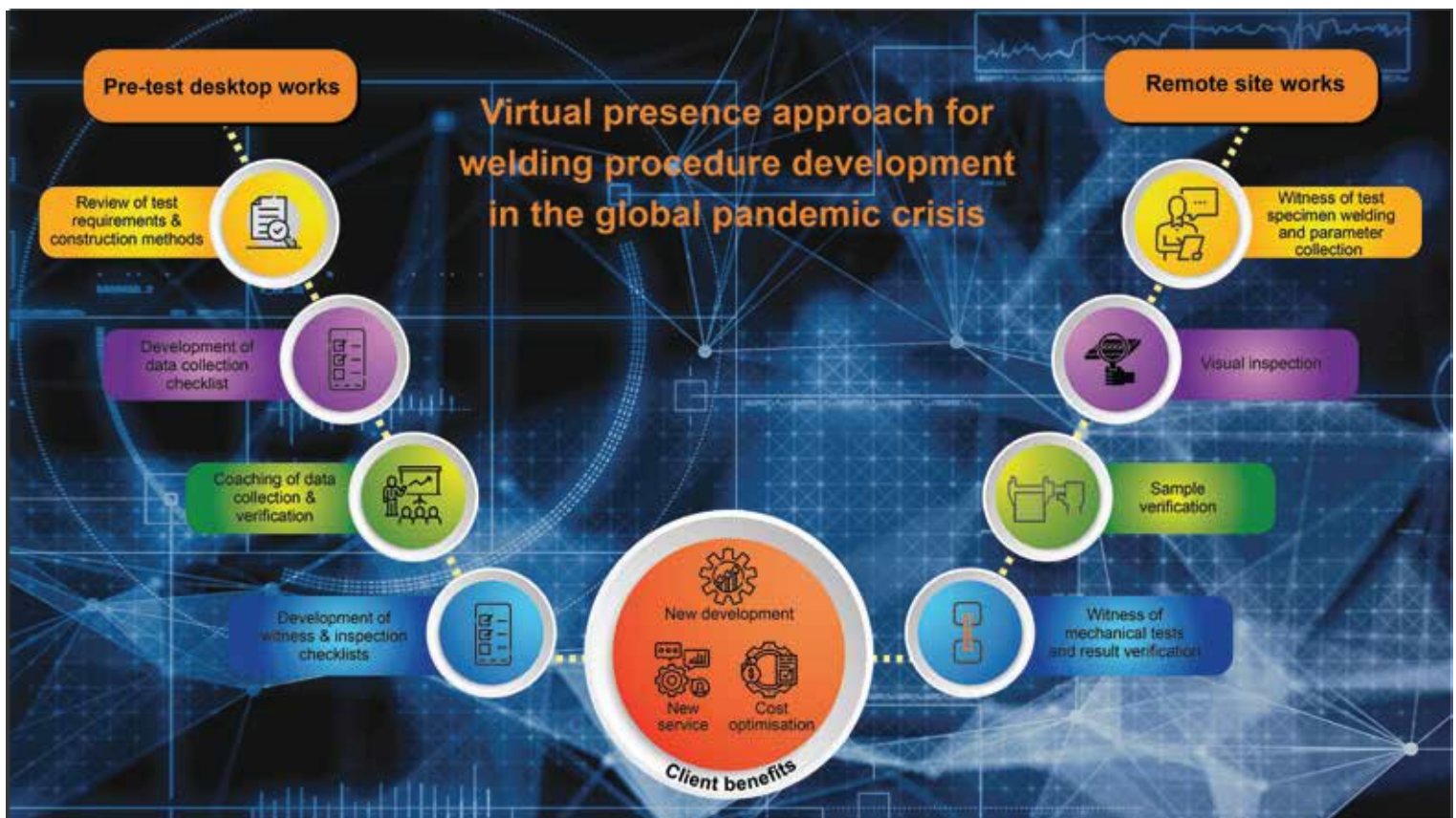
### Welding engineer support for a North Sea oil field redevelopment project

A certified international welding engineer of CWI was seconded to an international EPC contractor to provide welding engineering verification support for a North Sea oil field redevelopment project. Support for compliance of ISO 3834 requirements was also delivered by our welding engineer.



## Innovative virtual presence approach for welding procedure development during the global pandemic crisis

An innovative virtual presence approach was developed to assist customer to develop a suite of welding procedures for a 50m height and 10m diameter surge tank for a hydropower plant upgrading project. The experience, in-depth understanding and technical know-how of our welding engineer are the key success elements for the development of this virtual presence approach and success completion of this remote welding procedure developmental work.



# CLIENTS

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- 📍 China:  
Sichuan Tongxingyuan  
Sinohydro
- 📍 Thailand:  
Sinopec International Petroleum
- 📍 Malaysia:  
MHE-Demag Malaysia  
TWI Malaysia  
McDermott Asia Pacific  
GQS Malaysia  
SR Technics


- 📍 Singapore:  
Shell Eastern Petroleum
- 📍 Papua New Guinea:  
AG Investment PNG  
Tunnel Engineering PNG


CWI is dedicated to continuously deliver quality, reliable and practical welding integrity solutions to our customers by exploiting the competency, professionalism, knowledge and experience of our human assets.



## Contact Us

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