



CAPABILITY STATEMENT

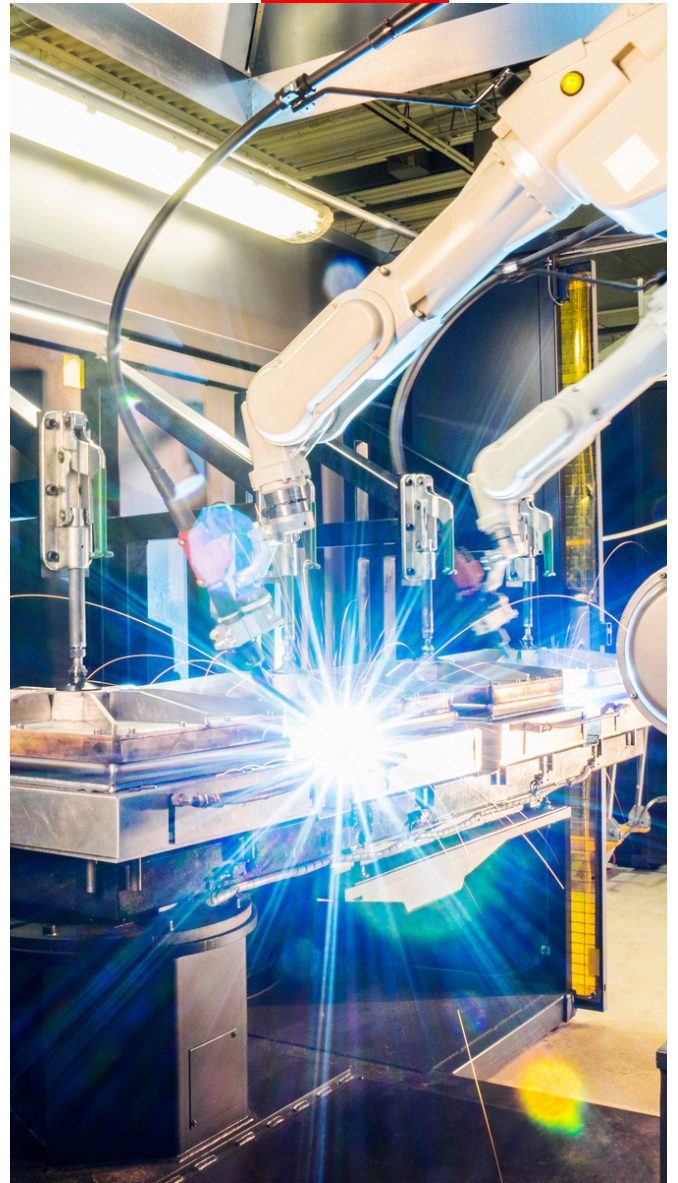


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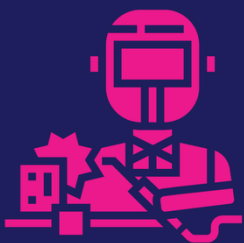
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OUR VALUE PROPOSITION



Weld Australia is the peak industry body, representing the welding profession in Australia.



Our members include individuals and companies across every facet of Australian industry, making a significant contribution to the economy.



Weld Australia is the Australian representative member of the International Institute of Welding (IIW).



Our Mission is to be the leader in facilitating growth of world class welding in Australia.



Our Vision is to enable industry to access leading edge technologies through technology transfer, education and certification opportunities.

WHO WE ARE

WELD AUSTRALIA IS THE PEAK BODY REPRESENTING THE WELDING INDUSTRY IN AUSTRALIA.

A not-for-profit, membership-based organisation, Weld Australia is dedicated to providing our members with a competitive advantage through access to industry, research, education, certification, government, and the wider industrial community.

Our members are made up of individual welding professionals and companies of all sizes. Weld Australia members are involved almost every facet of Australian industry and make a significant contribution to the nation's economy.

Our primary goal is to ensure that the Australian welding industry remains both locally and globally competitive, both now and into the future.



Our Mission: Weld Australia is the leader in facilitating growth of world class welding in Australia.



Our Vision: Weld Australia seeks to enable industry to access leading edge technologies for all types of joining processes through technology transfer, education and certification opportunities.

A WORLD OF JOINING EXPERIENCE

Weld Australia is the Australian representative member of the International Institute of Welding (IIW). The IIW:

- Comprises welding associations from 50+ countries across the world
- Is a collaborative operation enabling technology innovation and transfer
- Offers globally harmonised education, training, qualification and certification
- Its mission is to advance welding and joining through a worldwide network

For information: <http://iiwelding.org>



INNOVATIVE, EXPERT ENGINEERING & ADVISORY SERVICES

By taking advantage of Weld Australia's [engineering and consulting services](#), you have access to the peak industry body in Australia's welding industry. This will provide your commercial enterprise with access to our expert advisory services, delivered by highly qualified welding and materials experts.

With diverse expertise in industries such as manufacturing, construction, rolling stock, defence, infrastructure, power generation and mining, Weld Australia has the unique capability and experience needed to solve your joining problems.

Our consulting services can help you substantially increase the operational life of your plant and equipment, and reduce your maintenance and repair overheads.

[LEARN MORE](#)

HOW WE CAN HELP

- Analysis and resolution of complex welding, materials and fabrication problems
- Design, development and project management of fabrication solutions
- Design and qualification of welded connections
- Advice on safety practices pertaining to welding, cutting and joining
- Review of requirements and technical review
- Weld failure investigation
- Drafting and review of fabrication specifications
- Welding inspection and supervision
- Writing and review of welding procedures
- Optimisation of maintenance for risk mitigation
- Welder qualifications
- Supply chain assessment and development
- Weld maps and quality documentation
- Comprehensive failure investigations and engineering critical assessments
- Expert evidence and witnessing services
- Pipeline in-service welding, repairs, hot tapping
- Burn through calculation



OUR TEAM OF ENGINEERING EXPERTS

WELD AUSTRALIA HAS THE LARGEST TEAM OF INTERNATIONAL WELDING ENGINEERS (IWE) IN AUSTRALIA.

Issued by the International Institute of Welding (IIW), this qualification is the highest post-graduate professional welding qualification available.

All IWEs have advanced knowledge and a critical understanding of welding technology and can:

- Solve complex and unpredictable welding engineering problems
- Manage projects related to a wide range of welding applications
- Demonstrate mastery and innovation in materials and welding technology
- Manage welding coordination activities

All solutions delivered by our Engineering Group are reviewed by another Senior Welding Engineer and often, depending on the complexity of the assignment, one of our Principal Welding Engineers.



BROAD & DEEP EXPERTISE

With expertise in a wide range of industries, from defence, manufacturing and composites to rail and resources, Weld Australia has the uniquely broad and deep capability needed to solve your welding problems.

Our extensive experience across various sectors provides the comprehensive insight and adaptability necessary to tackle complex welding challenges, ensuring solutions are effective and tailored to your industry.



Power



Oil & Gas



Infrastructure



Defence



Manufacturing



Buildings



Renewables



Aerospace



Mining



Rail & Rolling Stock



Pipelines & Pressure Vessels



Mineral Processing

OUR TEAM OF ENGINEERING EXPERTS



BRUCE CANNON (TECHNICAL PUBLICATIONS MANAGER, PRINCIPAL WELDING ENGINEER)

With over 40 years' industry experience, Bruce commenced his career at AI&S at Port Kembla, which later became BHP, BHP Steel and now BlueScope. He has in-depth expertise in mechanical testing, metallography, special testing of steels, weldability testing, electroslag roll reclamation, weldability of quenched and tempered steels, quality management and auditing, delayed hydrogen cracking, special testing of steels, weld repair, stud welding, welding of coated steels, and in-service welding of linepipes. He also has extensive experience with Australian Standards, becoming the chair of WD-003 Welding of Steel Structures in 1998. Bruce joined Weld Australia in February 2016 as our Technical Publications Manager with a core focus on Australian Standards, technical notes and the Australian Welder Certification Register (AWCR). Bruce holds a Bachelor of Applied Science (Metallurgy) and is an International Welding Engineer (IWE).



Victor Blain (General Manager, Engineering - VIC, TAS, SA, WA)

Victor is a solution oriented engineer with over 18 years' experience in materials and welding. In 2006, Victor completed a Certificate IV in welding and fabrication, and gained experience as a welder and fabricator on carbon steel and stainless steel structures in Canada. In 2010, he graduated as a Metallurgy Technologist which led him to gain experience in material testing in the energy and aerospace sectors at Hydro-Quebec and Pratt & Whitney. Since then, Victor's experience has been focused in manufacturing, working at Bombardier Transportation. His main achievements are related to project start-up, welding coordination and suppliers audit and support. Victor joined Weld Australia in 2018. Victor holds a Certificate IV in Welding and Fabrication, a Bachelor of Metallurgy, a Bachelor of Mechanical Engineering, and is an International Welding Engineer (IWE). His areas of expertise include: rail and rolling stock; manufacturing; infrastructure; and bridges.



Ross O'Bryan (General Manager, Engineering - QLD, ACT, NSW, NT)

With a career spanning 20 years, Ross has extensive experience in all aspects of welding. Prior to joining Weld Australia, Ross was a Senior Engineer and Welding Engineer at Terex and Franna Cranes Australia for 14 years. He was also the Director of Integral Weld Management—his own welding engineering consultancy firm. Ross commenced his career as a boilermaker and maintenance fitter at a refinery in Albury, New South Wales, before moving into a site supervisor role for a structural steel fabricator. After five years honing his trade, he established his own welding, fabrication and design business in Albury, working across residential and commercial projects. Ross then moved into mechanical and product design engineering roles. It was also during this time that Ross acted as a casual teacher of fabrication and engineering subjects at the Riverina Institute of TAFE. A Chartered Professional Engineer and a Registered Professional Engineer of QLD, Ross holds a Bachelor of Engineering, and is an International Welding Engineer (IWE), and an International Welding Inspector - Comprehensive (IWI-C).

OUR TEAM OF ENGINEERING EXPERTS



CORNELIS VAN NIEKERK (BUSINESS MANAGER DEFENCE WELDING)

An experienced researcher and educator in materials engineering, Cornelis initially joined Weld Australia in March 2020 as Assistant Training Manager. Prior to this, Cornelis spent five years at the University of Wollongong's School of Mechanical, Materials, Mechatronic and Biomedical Engineering Department. He provided training and lecturing for the International Welding Engineer program and was an Academic Tutor and Laboratory Demonstrator for materials engineering and manufacturing subjects, including Materials in Design. Before immigrating to Australia in 2015, Cornelis also held similar roles in the Materials Science and Metallurgical Engineering Department at the University of Pretoria in South Africa, where he was involved in collaborative research with the Council for Scientific and Industrial Research in laser welding-related areas. An IWE, Cornelis holds a PhD in Materials Engineering, a Master of Engineering in Metallurgical Engineering, and a Bachelor of Engineering (Honours) in Metallurgical Engineering.



ANDREW DAVIES (MANAGER, TECHNICAL INDUSTRY NETWORKS)

Andrew boasts 40 years of in-depth engineering and asset management experience across a number of power stations, including coal fired, gas turbines and hydro plant. His expertise extends to engineering support for maintenance and major overhaul outages, capital upgrades, project management, contract management, and financial management. He also has experience in the area of environmental compliance and management, and the development and management of long term asset management strategies. An adept leader, Andrew has led teams of more than 30 people and managed budgets in excess of \$40 million. With exceptional skills in asset management (particularly Unit Plant), Andrew has led many major overhaul and capital upgrade projects, which were completed on time and within budget. In addition, as a Strategy and Development Manager, Andrew took on the huge job of environmental management and compliance. Andrew holds an MBA in Technology Management, and a Bachelor of Engineering.



GOKHAN SACLI (WELDING ENGINEER)

With over 10 years experience, Gokhan is an expert in: welding engineering and coordination; steel and metal manufacturing; fabrication; mechanical equipment, tank and piping erection; quality management; and more. Prior to joining Weld Australia in 2023, Gokhan was a Welding Engineer at Shotton Group, where he managed complex projects involving railway vehicles, structural steel, and more. As a Production and Quality Engineer at Hume Steel Engineering, Gokhan supervised quality-related tasks and aided in preparing for ISO 9001 and ISO 3834 accreditation. In his role as a Project Manager at SevenHill Engineering and Construction, Gokhan contributed to project design, engineering and installation. Gokhan's early career in Turkey and Iraq saw him lead various fabrication and installation projects for steel and iron plants, and coordinate production and quality control. An International Welding Engineer (IWE), Gokhan holds a Bachelor of Mechanical Engineering and Diplomas in Project Management, and Building and Construction Management.

OUR TEAM OF ENGINEERING EXPERTS



ARYA SHARIFIAN (WELDING ENGINEER)

Arya is a professional Materials Engineer (accredited by Engineers Australia) with experience in various sectors in welding engineering, consultation, quality assurance, company certification audits, inspection and non-destructive testing (NDT). Arya is very familiar with international and Australian welding standards for production, inspection and quality assurance, and is experienced in supervising engineering teams, and working in a fabrication shop, on-site or office environment. Prior to joining Weld Australia in 2017, Arya was a welding inspector and NDT specialist at STS Consultant Engineering in Iran. In his role, Arya undertook NDT on conventional and high-rise welded and bolted steel structures and buildings. He also carried out welder qualification testing and prepared welding procedure specifications, quality control plans, and ITPs. He is a Certified Welding Engineer and he holds CSWIP 3.1 Welding Inspector, as well as certifications for penetrant testing, ultrasonic testing, magnetic testing, and radiographic interpretation.



DENIZ YALNIZ (EXECUTIVE GENERAL MANAGER, TECHNICAL SERVICES)

With over five years experience, Deniz is a skilled quality control engineer with extensive knowledge of product inspection and manufacturing auditing processes, as well as Australian and International Standards. Deniz commenced his career at Jacon Technologies, first as a Design Draftsman, before progressing into various positions, including Technical Sales Engineer, Design Engineer and Quality Control Engineer. Prior to joining Weld Australia, Deniz was a Service Support Coordinator at Jacon Equipment. In this role, he was responsible for providing continuous support for approximately 700 pieces of operational equipment, and the coordination of four onshore product specialists and 24 offshore factory engineers and technicians. Deniz holds a Bachelor in Metallurgical and Materials Engineering, as well as a Graduate Diploma in Master of Engineering.



JAKE ADIE (WELDING TECHNOLOGIST)

With a career spanning over 10 years, Jake started as a boiler maker apprentice. Once qualified, he gained several years experience as a boiler maker at Crib Point Engineering, focused on GMAW of mild steel and super duplex, GTAW of aluminium, stainless steel and super duplex. He then moved into a role at Lepol Metal Work, where he worked to class one quality standards AS 4041 for mild steel pipe, and gained experience in customer service, coordinating projects and developing weld procedures. In 2020, Jake moved into a Welding Supervisor and Non-Destructive Testing (NDT) role at Ultratest, where he supervised welders and performed inspections. He developed and published over 150 welding procedures according to various Australian Standards. In recent years, Jake has gained experience in rolling stock working on projects for Xtrapolis 2.0, Vlocity and NGT. An IIW International Welding Specialist (IWS) and Technologist (IWT), Jake holds certificates in both AS 2214 and AS 1796, as well as a Certificate III in Engineering.

OUR TEAM OF ENGINEERING EXPERTS



ASHKAN ABDIBASTAMI (WELDING ENGINEER)

Ashkan is a highly accomplished materials engineer with a strong academic background and extensive experience in the field. Currently pursuing a PhD in Structure and Dynamics of Materials, he demonstrates a passion for research and advancement in the materials engineering domain. His PhD is focused on magnetic materials as tracers for Magnetic Particle Imaging (MPI) application, design and synthesis of metal-doped iron oxide nanoparticle materials as tracers for MPI application, and materials characterisation and processing of metal-doped iron oxide nanoparticle materials for MPI application. Prior to joining Weld Australia, Ashkan played a crucial role in quality control and assurance in the oil and gas industries in Iran. As a materials and welding engineer, Ashkan undertook materials testing, quality engineering, and inspection. Ashkan joined in the Weld Australia in 2022, and holds a Master of Science (Materials Engineering), Bachelor of Science (Metallurgical Engineering) and is a Certified International Welding Engineer (CIWE).



CORENTIN AVILA Y FRANCO (WELDING ENGINEER)

Corentin joined Weld Australia with over six years' experience, gained in various industries, particularly piping and pressure equipment, in Australia, Belgium, France, and the US. He holds a Masters of Science in Civil Engineering Technology, a Masters in Welding Engineering, and is an International Welding Engineer (IWE). Corentin commenced his career in Belgium, starting out in the nuclear industry, where he worked as a Quality Surveillance Engineer. From there, he moved into a Welding Coordinator position in the boiler industry in a manufacturing environment, as well as a Technical and Welding Manager for a Heat Exchanger Manufacturer, active in the oil and gas, fertilising and petrochemical industries. In these roles, Corentin gained extensive experience working under various EN, ASME and API standards. In 2023, Corentin relocated to Australia, where he took on a role as a Welding Engineer in the rail and rolling stock industry at Alstom. Here, he focused on welding coordination, supporting urgent repairs and shutdowns.



LUKE NICHOLLS (QUALIFICATION AND CERTIFICATION MANAGER)

Luke is an International Welding Engineer (IWE) and holds a Bachelor of Mechanical Engineering with Honours, having completed his thesis with industry partner CSIRO. His thesis investigated the heat and mass transfer using vacuum membrane distillation and amino acid salts as an absorption solvent for carbon capture in coal power plants. A result-oriented engineering graduate, Luke gained industry experience as an Industrial Designer and Mechanical Engineer at TILT. In this role, he worked on the design, assembly, delivery and install of TILT's skylight and hatch products. He joined Weld Australia in early 2021 as a Graduate Engineer, was promoted to the role of Systems Engineer in 2023, and then to Qualification and Certification Manager in 2024.

OUR TEAM OF ENGINEERING EXPERTS



DANIEL MIDDLETON (SENIOR WELDING TECHNOLOGIST)

Drawing from over 15 years' hands-on experience in welding and quality control, Daniel joined Weld Australia in 2024. He started his career as a boilermaker at Bucyrus, honing his skills fabricating underground and surface mining equipment. Daniel then took on a welding supervisor role at J & S Engineering Maintenance, developing welding procedures, and undertaking weld testing, inspection and reporting. Daniel moved into the role of QC Welding Coordinator and Inspector at MC Quality. Here, he pioneered the Glencore Welder Competency Scheme, an initiative that set new benchmarks across all Glencore mine sites. Daniel was promoted to Queensland State Manager at MC Quality. Prior to joining Weld Australia, Daniel was the Welding Specialist at Dalrymple Bay Coal Terminal. Daniel is an IIW International Welding Technologist (IWT), IIW International Welding Specialist (IWS), AS 2214 Welding Supervisor, and holds an AS 1796 Cert 10, a Diploma of Project Management, and a Certificate III in Engineering Fabrication.



IAN MACKAY (BUSINESS DEVELOPMENT MANAGER)

Ian is a results-driven leader with over 30 years of management experience. Ian has held senior roles at Downer EDI, Toyota Motor Corporation, and Davy International, among others. Ian's notable career achievements include his role as National Product Sales Manager at REMA TIP TOP Australia, where he enhanced site safety protocols, introduced ISO 9001, and successfully built critical business teams, resulting in improved performance outcomes. At Chess WA, Ian exhibited strong management techniques, significantly improving profits, and successfully negotiating supply contracts. Similarly, Ian excelled at Downer EDI, improving revenue and safety, and implementing successful supply chain strategies. During his tenure at Toyota Motor Corporation Australia, Ian achieved remarkable results, including substantial growth in spares business turnover, improved customer service ratings, and successful pricing programs. Ian commenced his career as a metallurgist in the United Kingdom, working for organisations such as British Steel and ALCAN UK. Ian holds a Bachelor of Science (Honours) in Metallurgy.



MATHEW LEE (SENIOR WELDING TECHNOLOGIST)

With over 15 years industry experience, Mathew has in-depth knowledge of structural steel and pressure welding codes. He has expertise in project upgrades, rebuilds, workshop fabrication, installations and repairs on structural, mobile plant and pressure equipment. He is adept at quality control, including the development of welding PQR and WPS for structural steels, low alloys, high alloys and non-ferrous materials; development of quality assurance and control processes and procedures; and visual, magnetic particle and penetrant testing of welds. Prior to joining Weld Australia in 2024, Mathew was a Welding Coordinator at Taylors Engineering and Welding Services. He started his career as a boilermaker welder, spending over 10 years honing his hands-on welding skills before moving into welding quality and supervision. Mathew is an International Welding Technologist (IWT), International Welding Specialist (IWS), an International Welding Inspector – Standard (IWI-S), an AS 2214 Welding Supervisor, and an ISO 9001 Internal Quality Auditor. He holds a Certificate III in Heavy Fabrication and Welding.

OUR CLIENTS



ROAD & RAIL

- Alstom
- ARTC
- Transport for NSW
- Main Roads QLD
- Main Roads WA
- VicRoads
- SA Department of Planning, Transport & Infrastructure
- Sydney Trains
- Downer EDI Rail
- CF Rail Services
- Queensland Rail
- Aurizon



POWER

- AGL Energy
- CS Energy
- Delta Electricity
- Energy Australia
- Stanwell Corporation
- AUSGRID
- ANSTO
- NRG Gladstone
- IPM



RESOURCES

- Rio Tinto
- Newcrest
- BHP
- FMG
- Dalrymple Bay Coal Terminal



DEFENCE

- ASC
- BAE Systems
- Rheinmetall
- Thales Group
- DMTC
- DCNS
- Centre for Maritime Engineering
- Austal Ships



FABRICATION & ENGINEERING

- ARUP
- Cimtec
- Haywards
- S&L Steel
- Cullen Steel Fabrications
- G&G Mining Fabrication
- Monadelphous Group
- United Group Resources
- Antec Group
- Ferrycarrig Construction
- JRS Manufacturing Group
- Liebherr
- Ventia
- Hofmann Engineering



STEEL, EQUIPMENT & CONSUMABLES

- BlueScope Steel
- Bisalloy Steels
- Midway Metals
- BOC
- Cigweld
- Lincoln Electric
- Supagas
- Coregas

MEMBERSHIP

Weld Australia membership is an investment in the success of your career or the success of your business. We will help you increase your income, decrease your costs and give you a competitive advantage over companies or people who aren't members.

Weld Australia offers memberships for individuals and companies, with additional benefits available for corporate and premium members. Joining this powerful voice of the industry allows you to contribute to collective action for growth, idea exchange and resource sharing. Member benefits include:

- Australian Welding (quarterly magazine)
- Weld Connect (monthly newsletter)
- Invitations to Weld Australia networking events, technical events, presentations, webinars and more
- Access to International Institute of Welding (IIW) Commission Papers
- Discounted rates on the full range of Weld Australia events, seminars, professional development, training and technical publications
- Unlimited number of employees listed as Associates on your company's membership
- Business Listing on online Member Directory
- Access to Weld Australia's Job Board
- Use of Weld Australia logo to demonstrate membership



JOIN NOW

HOW WE DELIVER VALUE TO MEMBERS



Network

We provide a network for the exchange of ideas, sharing of resources and creation of meaningful connections.



Technology Transfer

We facilitate technology transfer from research institutions and overseas markets.



Learning & Development

We deliver pathways for learning, to expand your career and boost your earning potential.



Engineering Solutions

Our experts deliver specialist technical solutions for welding and materials related issues.



Collective Voice

We are the voice of industry, promoting and advocating for welding and welders to decision makers.



Certification

We are the IIW Authorised Nominated Body, making us the premier welding certification body in Australia.

COMPANY CERTIFICATION

Weld Australia is Australia's premier welding certification body. Our comprehensive range of training, qualification and certification services are designed to help Australian welders, fabrication and manufacturing companies and the industrial sector at large achieve and maintain a competitive advantage.

As the International Institute of Welding (IIW) Authorised Nominated Body for Company Certification (ANBCC), we are able to provide internationally recognised qualifications and certifications.

Weld Australia offers company certification according to a range of Australian and International Standards, enabling fabrication businesses to improve their technical knowledge, bolster productivity and profitability, and reduce the risk of failure and rework.

Certification is written assurance, provided by an expert independent third party, that a company has demonstrated their ability to deliver a compliantly welded product, on time and on budget. As such, certification increases your potential to enter international markets with a competitive edge and improves the likelihood of repeat business.



AS/NZS ISO 3834

AS/NZS ISO 3834 Quality requirements for fusion welding of metallic materials specifies the production control requirements for fusion welded products, whether fabricated on-site or in a workshop. It is the internationally recognised benchmark for welding quality.

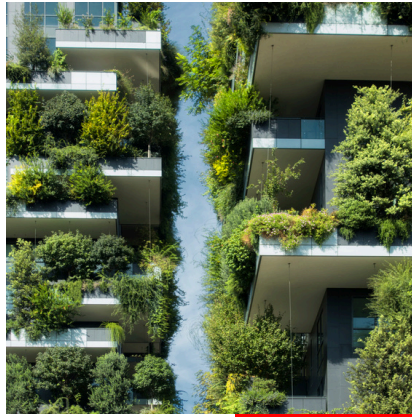
EN 15085

EN 15085 Railway applications – Welding of railway vehicles and components was introduced to harmonise the requirements for welding materials during the manufacture and maintenance of railway vehicles, and builds upon the requirements outlined in ISO 3834.

DIN 2303

Certification to *DIN 2303 Welding and allied processes – Quality requirements to be met by production and maintenance companies for military products* enables companies to produce products and materials that can be used in both military and defence applications.

COMPANY CERTIFICATION



AS/NZS ISO 9001

AS/NZS ISO 9001 Quality Management System is a crucial certification for a quality management system. It is used by organisations to demonstrate their ability to consistently provide products and services that meet customer and regulatory requirements.

AS/NZS ISO 14001

AS/NZS ISO 14001 Environmental Management is an international standard, which specifies the requirements for an environmental management system. It is one of the most recognised, advanced environmental management systems in the world.

AS/NZS ISO 45001

AS/NZS ISO 45001 Occupational Health and Safety has wellbeing and safety at its core to minimise workplace-related injuries. The leadership-lead approach means AS/NZS ISO 45001 meets moral, legal, ethical and industry-best practice for employers' duty of care.

[LEARN MORE](#)

WHY US?

- ✓ A highly respected and independent third-party, we are the International Institute of Welding (IIW) Authorised Nominated Body for Company Certification
- ✓ Weld Australia's certification process ensures a rigorous audit and testing system is in place, positioning your business as a leader welding and fabrication
- ✓ All our assessors are: experienced quality management; certified in Integrated Management System (IMS); ISO 19011 certified; either IWE or IWT qualified; and have extensive industry experience
-  Responsible IIW Member in Australia

TRAINING & QUALIFICATION

Weld Australia is Australia's premier welder training organisation. We understand the value of ongoing professional development and are committed to upskilling the next generation of welders.

Our experienced team delivers a wide range of face-to-face, online and blending learning courses, designed to equip you with leading-edge industry skills and knowledge.

As an International Institute of Welding (IIW) Authorised National Body (ANB) and an Authorised Training Body (ATB) we are able to provide internationally recognised qualifications. Weld Australia also provides a number of specialist industry based courses which can be delivered in a public forum or tailored for individual companies.

WELDING INSPECTION COURSES

Welding inspection personnel play an integral part in the delivery of any welding control program. As a Welding Inspector, you are responsible for ensuring that all manufacturing steps have been safely conducted and are compliant with industry codes and practices. Welding Inspectors also help to maintain the highest levels of weld quality, which means their expertise are essential to any project – no matter the size.

Our [Welding Inspection courses](#) include:

- [IIW International Welding Inspector Standard \(IWI-S\)](#)
- [IIW International Welding Inspector Basic \(IWI-B\)](#)

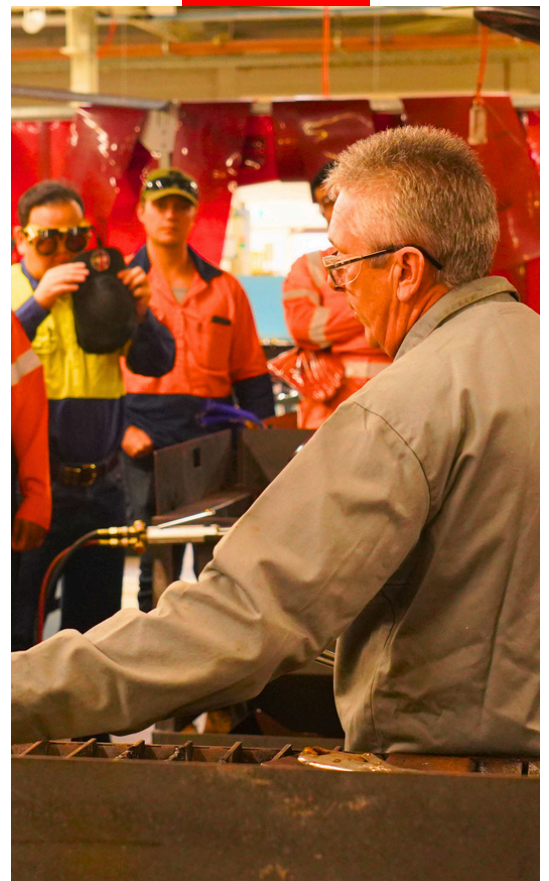
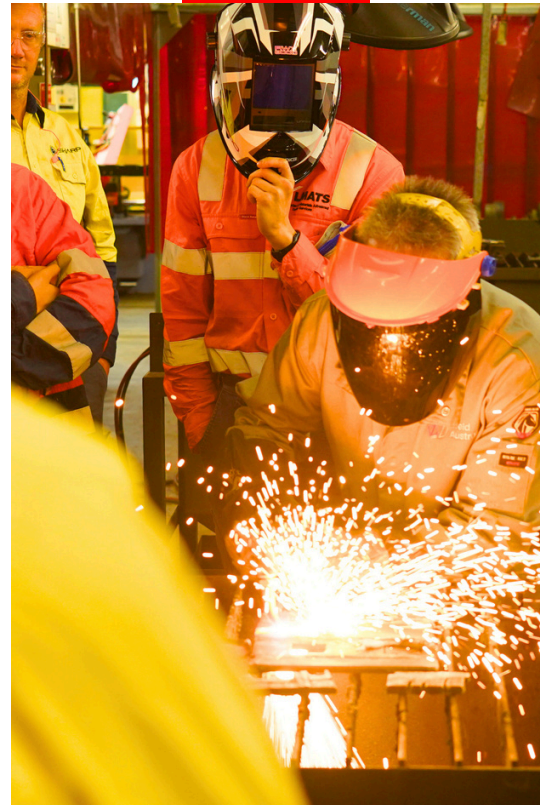
WELDING SUPERVISION & COORDINATION COURSES

Welding supervisors and coordinators are essential in the welding sector. Our courses seek to unlock your full potential and allow you to work collaboratively and independently across all phases of the welding manufacture and fabrication process.

Our [Welding Supervision and Coordination courses](#) deliver comprehensive knowledge of welding processes, equipment, materials and their behaviour during welding, construction and design, and fabrication application engineering.

Our Welding Supervision and Coordination courses include:

- [IIW International Welding Engineer \(IWE\)](#)
- [IIW International Welding Technologist \(IWT\)](#)
- [IIW International Welding Specialist \(IWS\)](#)
- [Welding Supervisor – AS 1796 Certificate 10](#)
- [Welding Supervisor – AS 2214](#)



TRAINING & QUALIFICATION

WELDING APPRECIATION COURSES

Industry is finding it increasingly important to control the fabrication, construction, maintenance and repair costs of their plant. Knowledge of welding and associated fabrication technology is vital to achieve such control.

Our [Welding Fundamentals](#) online course gives professionals an understanding of some of the significant issues that may arise with welded components, and provides an overview of welding processes, weld defects, testing and welder qualification as required by various Australian and international Standards.

WELDER CERTIFICATION COURSES

Our [Welder Certification courses](#) cover the basic science and practical application of the most commonly utilised welding processes along with other essential topics, like welding terminology, weld design, welding safety, electrical theory, the weldability of metals, and welding quality control.

Presented in short, easy-to-understand modules, these online courses are ideal for both students and professionals who want to expand their core competencies. We offer a theory course to help you gain [AS 1796 Welding Certificates 1-9](#).

EXAMS

Weld Australia facilitates exams for:

- IIW International Welding Inspector: IWI-B and IWI-S
- IIW International Welding Engineer (IWE) and Technologist (IWT)
- International Welding Specialist (IWS)
- Welding Supervisor (AS 1796 Cert 10 and AS 2214)

[LEARN MORE](#)

TAILORED IN-HOUSE TRAINING

Weld Australia can deliver courses in-house, tailoring the content to suit the needs of your business and employees. It's convenient, cost effective and collaborative. For details or to book, simply contact: training@weldaustralia.com.au



WELDING TECHNOLOGY

The welding industry in Australia is on the brink of a revolution, powered by the rapid advancements in technology. At the heart of this transformation are augmented reality, collaborative robots, and sophisticated monitoring cameras. Augmented reality offers welders an enhanced visualisation, overlaying digital information onto the real world. This not only aids in precision but also provides real-time guidance and training, reducing errors and ensuring consistency across complex welding tasks.

Unlike traditional robots that work separately from humans, cobots are designed to work alongside their human counterparts. They offer increased efficiency and accuracy, especially for repetitive tasks. This collaboration results in faster production rates without compromising on quality. High-definition cameras provide detailed, close-up visuals of the welding process. By magnifying intricate sections and ensuring accurate joins, they significantly improve quality control. The recorded footage can be used for training and quality assurance purposes.

For welders and fabrication business owners, these technologies are not just tools; they're game-changers. Embracing them not only places businesses at the forefront of the industry but also guarantees a future of increased productivity, quality, and safety. Weld Australia can help in the design, adoption and roll-out of advanced welding technology.



SOLDAMATIC AUGMENTED REALITY SIMULATORS

Soldamatic is the first welder training solution powered with augmented reality in the world. With zero risks involved, apprentices can respond to realistic scenarios without pressure or fear of injury, enabling them to acquire the skills and the self-confidence they need before moving into real-world workshops. 34% more welders can be certified in 56% less time, saving 68%.



DOOSAN COLLABORATIVE ROBOTS

Cobots are specifically designed to share the work space with human beings, making automation easier for businesses of all sizes, particularly SMEs. Cobots are generally versatile, lightweight, require relatively little space, and are much easier to program than their industrial counterparts. They offer improved productivity, profitability, quality and safety.



XIRIS WELDING CAMERAS

The **Xiris welding camera** eliminates pixel saturation that previously masked the weld process details. The result is a clear definition of the weld arc as well as making its darker environment clearly visible, allowing for improved productivity of the welding process. Xiris helps manufacturers detect, recognise, and interpret quality defects in manufactured goods.

[LEARN MORE](#)

CLIENT TESTIMONIALS

JUSTIN SUWART, BISALLOY

“Through Weld Australia, Bisalloy has been exposed to a variety of networking opportunities. We have been able to meet numerous people, technical experts, and company representatives within the welding industry. Often, it is extremely difficult to get all these people together in the one place. And yet, Weld Australia is able to facilitate events and networking opportunities exceptionally well.”

“Weld Australia is a valuable source of technical knowledge and expertise. Bisalloy has a variety of technical literature that we make available to the public and our customers. Weld Australia’s expert advisors assisted us in reviewing and revising this literature.”

DANIEL MILLER, ASC

“The relationship that ASC and Weld Australia has built has been extremely beneficial in a number of ways. Weld Australia has assisted in the international accreditation of our welding processes and procedures on the Collins Class submarines.”

“In addition, a number of the issues we’ve had with the qualification and maintenance of up-to-date certifications for our welders have been worked through with Geoff Crittenden, Weld Australia’s CEO. The other area where Weld Australia provides extensive support is in the development and certification of our welders to ISO 9606. With Weld Australia assisting on accreditation and training, this has put us in good stead, as we move onto fabricating the new submarines.”

PABLO SANTOS, S&L STEEL

“S&L maintains a high regard for Weld Australia. This organisation has been proactive in industry engagement between fabricators and other companies within the steel supply chain.”

“Weld Australia is a great advocate in terms of keeping our state and federal governments aware of the importance of quality of workmanship and finished products. The Weld Australia team works tirelessly to ensure Australian fabricators get an opportunity to tender for work. They have amongst their ranks very experienced people who can provide guidance and inspection of work on behalf of clients.”

“S&L is proud to be associated with Weld Australia.”



CLIENT TESTIMONIALS

ALI ENAYATI, ALSTOM TRANSPORT AUSTRALIA

“Weld Australia helped our Dandenong site develop and establish a welding school. In addition, Weld Australia provided us with a range of support in becoming the first Australian company to be internationally recognised with certification to EN 15085.”

“During this process, I worked with several different certifying bodies and consultants. I found Weld Australia to be the best to work with. The knowledge of their team, their responsiveness and reputation was exceptional. When quality is signed off by Weld Australia, the outcome is great, particularly for Bombardier’s clients. The technicians and engineers working for Weld Australia are all reputable, experienced people, with expertise and connections in industries as diverse as rail, construction and manufacturing.”

“Importantly, Weld Australia’s team doesn’t just repeat the wording included in the Standards. Instead, they provide a practical understanding of the Standards and a pragmatic view on how to implement the Standards in industry and businesses—all without compromising anything in the Standard. They translate the highly academic language used in the Standards so that it can be easily understood by the guys on the shop floor who may not have a university degree.”

ADAM FURPHY, FURPHY ENGINEERING

“Weld Australia has been Furphy Engineering’s ‘go-to’ source for technical matters for many years. Weld Australia has provided us with a range of technical advice on the interpretation of codes, standards and general compliance matters. This is particularly important for us because we manufacture a bespoke range of stainless steel tanks and associated products. This means that we are usually working to one or more codes or standards, some of which have very specific requirements for welding, while others are more general in nature. There is always a correct path to take, and Weld Australia has helped us determine which path that is.”

“We also have several employees who are Weld Australia qualified welding supervisors. With the benefit of the Weld Australia accreditation, we have been able to manage most of our code requirements and welding approvals process in-house, delivering a range of benefits for both our employees and Furphy Engineering as a whole.”

JASON ELIAS, PRECISION METAL GROUP

“We utilised the services of Weld Australia in gaining our certification to AS/NZS ISO 3834. Overall, this was a very educating journey, from better welding practices through to upskilling within the Australian market to contend with international work. It was not so much of an auditing process –it was more of an educational process to get us ready for certification. The certification process itself helped streamline our processes, and improved our productivity and efficiency, and therefore bottom line. Plus, it helped our entire workforce better understand its role within the broader industrial sector.”





ABOUT WELD AUSTRALIA

Weld Australia is the peak body representing welding in Australia. Our mission is to 'facilitate the growth of world class welding in Australia'. Members are made up of individual welding professionals and companies. Weld Australia corporate members include power generators, defence primes, road authorities, fabricators, universities, research institutions and TAFE. They are involved in almost every facet of Australian industry and make a significant contribution to the economy. Weld Australia is the Australian representative member of the International Institute of Welding (IIW).

