



# CAPABILITY STATEMENT

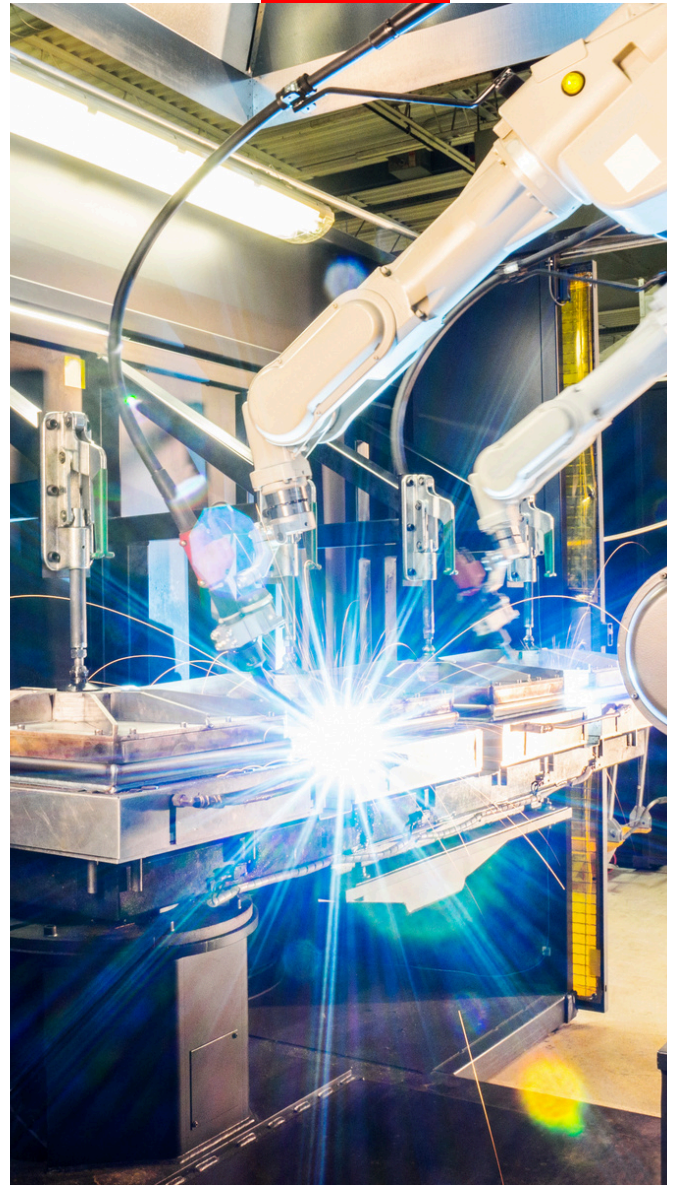


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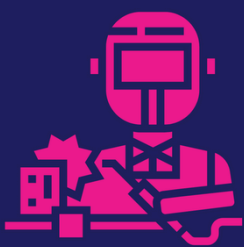
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## CONTACT US

Suite G1, Ground Floor  
25 Ryde Road  
Pymble NSW 2073  
1800 189 900  
[office@weldaustralia.com.au](mailto:office@weldaustralia.com.au)  
[weldaustralia.com.au](http://weldaustralia.com.au)



## 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.



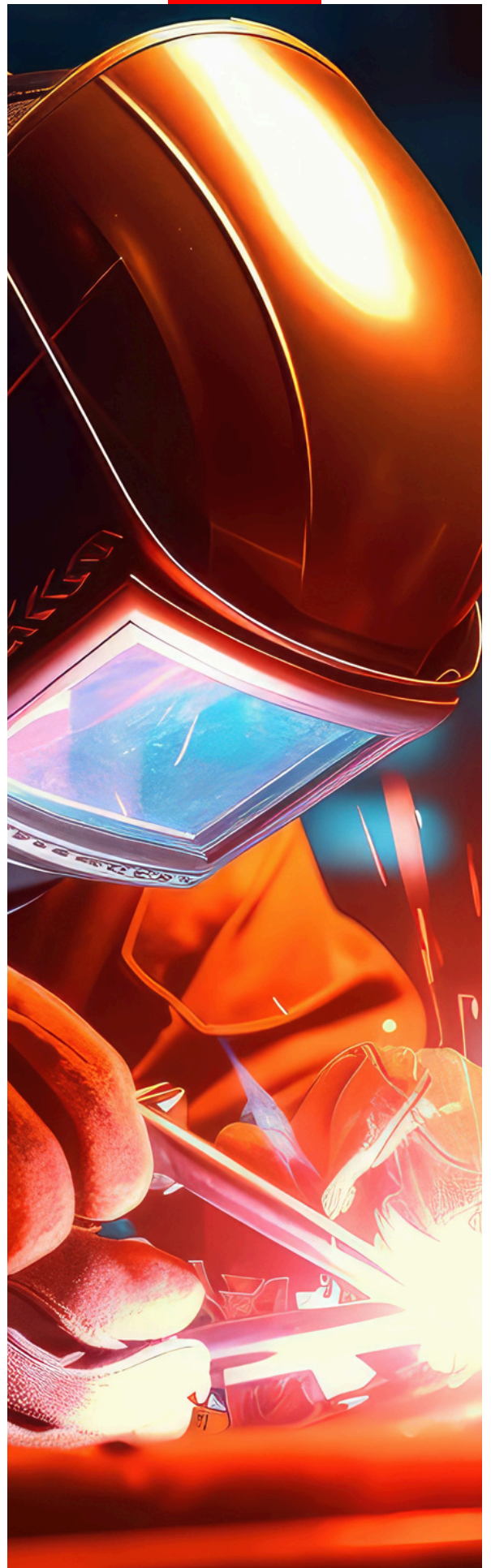
**Our Vision:** Weld Australia seeks to enable industry to access leading edge technologies for all types of joining processes through technology transfer, education and certification opportunities.

## 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.

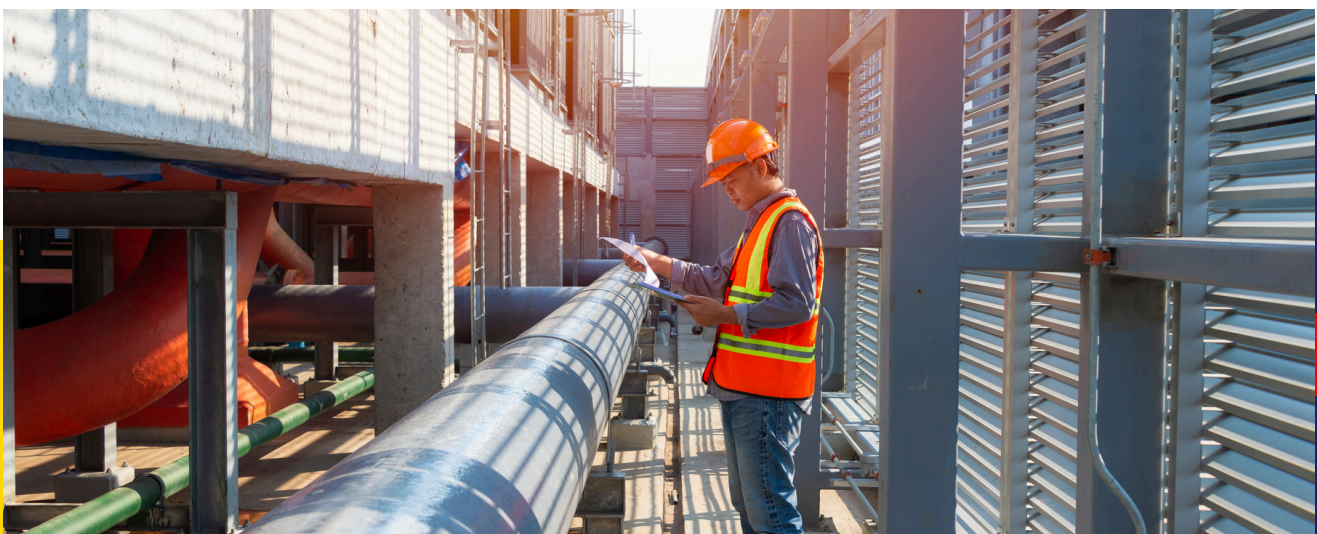
With diverse expertise in industries such as manufacturing, construction, rolling stock, defence, infrastructure, power generation and mining, Weld Australia has the unique capability and experience needed to solve your joining problems.

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



## **SIMON DOE (DIRECTOR, ENGINEERING)**

With over 30 years of experience, Simon boasts both technical and managerial experience in advanced manufacturing, welding, engineering and research in sectors as diverse as defence, automotive, mineral processing, and medical devices. Prior to joining Weld Australia in January 2025 as Director, Engineering, Simon was the National Manager of ANFF (Australian National Fabrication Facility), part of the Future Industries Institute (FII) at the University of South Australia. With a background in materials engineering and joining, Simon has extensive experience in product design and development, having worked as a Product Development Manager for a start-up medical device company. He was also a Senior Research Engineer at CSIRO in the Division of Manufacturing Science and Technology, and a Senior Scientific Officer at Atomic Weapons Establishment. An International Welding Engineer (IWE), Welding Inspector (IWI-B), AS2214 and AS1796 Certificate 10 supervisor, Simon holds several professional qualifications, including a Bachelor of Engineering, and is a Chartered Engineer.



## **VICTOR BLAIN (EXECUTIVE GENERAL MANAGER, ENGINEERING - VIC, TAS, SA, WA) - MELBOURNE, VIC**

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 (EXECUTIVE GENERAL MANAGER, ENGINEERING - QLD, ACT, NSW, NT) - BRISBANE, QLD**

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



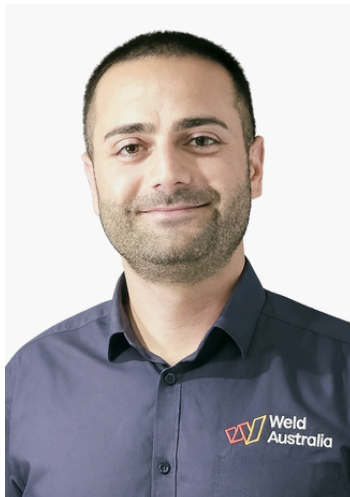
## **ASHKAN ABDIBASTAMI (WELDING ENGINEER) - SYDNEY, NSW**

With over a decade of experience in the welding industry, Ashkan began his career as a materials and welding engineer in the power generation sector overseas, supporting both the manufacture and maintenance of industrial gas turbines and managing quality engineering across the supply chain for cast and forged components. He has in-depth expertise in the welding metallurgy of steels, nickel, and aluminium alloys. Awarded a prestigious scholarship from the University of New South Wales (UNSW) Sydney in 2021, Ashkan completed his PhD in Chemistry in 2025, specialising in the structure and dynamics of advanced materials, alongside a Master of Science in Materials Engineering. Since 2017, he has been an International Welding Engineer (IWE), with extensive experience applying both Australian and international standards. Ashkan's focus is auditing Australian fabricators to ensure compliance with AS/NZS ISO 3834 for fusion welding, with expertise in structural steelwork fabrication under AS/NZS 5131 and providing end-to-end welding engineering services, from procedure development to inspection and welding supervision.



## **CORENTIN AVILA Y FRANCO (WELDING ENGINEER) - PERTH, WA**

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.



## **GOKHAN SACLI (WELDING ENGINEER) - MELBOURNE, VIC**

Gokhan is a results-driven Welding Engineer with more than 15 years of experience delivering high-quality welding, fabrication, and engineering projects across Australia and internationally. As an International Welding Engineer (IWE), he holds a Bachelor of Mechanical Engineering and Diplomas in Project Management and Building and Construction Management. He specialises in welding coordination, procedure development, inspection, and compliance, with strong knowledge of AS/NZS 1554, AS/NZS 5131, ISO 3834, EN 15085, and related standards. Gokhan has led complex projects across the manufacturing, construction, and heavy-industry sectors, ensuring welding quality, safety, and productivity are consistently achieved. He supports organisations in certification readiness, development of welding quality systems, and continuous process improvement. Earlier in his career, he managed fabrication and installation works for steel and iron plants in Turkey and Iraq, overseeing production, welding coordination, and quality control. Combining strong project management skills with advanced welding engineering capability, Gokhan delivers practical and effective solutions to industry.

# OUR TEAM OF ENGINEERING EXPERTS



## **DANIEL MIDDLETON (SENIOR WELDING TECHNOLOGIST) - MACKAY, QLD**

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.



## **MATHEW LEE (SENIOR WELDING TECHNOLOGIST) - PERTH, WA**

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.



## **JOSEPH GENRICH (SENIOR WELDING TECHNOLOGIST) - MARYBOROUGH, QLD**

Joseph is a highly skilled IIW International Welding Technologist (IWT) with over 15 years' experience in welding coordination, supervision, and fabrication within Australia's rail manufacturing sector. Based in Queensland, his expertise spans welding inspection, non-destructive testing (NDT), and quality assurance, with a proven track record in maintaining compliance to AS/NZS ISO 3834 and EN 15085 standards. Prior to joining Weld Australia, Joseph built his career with Downer, progressing from Boilermaker to Production Supervisor and ultimately to Responsible Welding Coordinator. In this role, he led a team of over 20 qualified welders and the onsite NDT laboratory. Joseph's responsibilities included developing and qualifying welding procedures, maintaining comprehensive welder qualification registers, and overseeing all welding and inspection activities to meet client and regulatory requirements. Joseph's practical background in fabrication and equipment operation, combined with his deep technical knowledge of standards, enables him to bridge engineering and workshop execution.



# OUR TEAM OF ENGINEERING EXPERTS



## **JAKE ADIE (WELDING TECHNOLOGIST) - MELBOURNE, VIC**

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.



## **ARYA SHARIFIAN (AICIP SCHEME MANAGER)**

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.



## **CORNELIS VAN NIEKERK (ADVANCED MANUFACTURING MANAGER)**

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.

# 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, electroslog 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).



## **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.



## **LUKE NICHOLLS (GENERAL MANAGER, QUALIFICATION & CERTIFICATION)**

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

## QUALIFICATIONS

Weld Australia's expert team is composed of internationally recognised professionals with deep technical credentials and industry knowledge. Our personnel include International Welding Engineers (IWE), Certified Lead Auditors across major standards such as AS/NZS ISO 3834, AS/NZS 5131, DIN 2303 and EN 15085, and Chartered Professional Engineers with extensive consulting and auditing experience. Our experts have completed formal expert witness training through UNSW and are skilled in presenting impartial, evidence-based technical opinions suitable for legal and regulatory proceedings.

## PROFESSIONAL AFFILIATIONS

Weld Australia maintains active involvement in national standards development and industry governance. Our team members contribute to Technical Committees such as Standards Australia's WD-003 (Welding of Structures; i.e. Structural and Stainless Steel Welding) and WD- 004 (Welding Safety). Some of our team members are accredited by Engineers Australia (CPEng and NER), and the Board of Professional Engineers Queensland (RPEQ registration).

We also collaborate with international organisations such as the International Institute of Welding (IIW), The Italian Institute of Welding (IIS), TÜV Nord Group, the Canadian Welding Bureau (CWB), the Edison Welding Institute (EWI). These affiliations ensure our expertise and depth of knowledge expands beyond our team ensuring opinions are aligned with current standards, regulatory expectations, and best practices nationally and internationally.

## NATIONAL COVERAGE

With engineers located across multiple states, Weld Australia provides expert witness services wherever they are needed. Our national footprint enables rapid response, consistent service delivery, and local understanding of jurisdictional requirements.



# OUR CLIENTS



## ROAD & RAIL

- Alstom
- ARTC
- Aurizon
- CAF
- Downer Rail
- Lendlease
- Main Roads WA
- Progress Rail
- Queensland Rail
- Queensland TMR
- SA DPTI
- Siemens
- Sydney Trains
- Transport for NSW
- Victoria DTP
- Yarra Trams



## POWER

- AGL Energy
- APA
- CS Energy
- Delta Electricity
- Energy Australia
- Stanwell Corporation
- Service Stream
- AUSGRID
- ANSTO
- NRG Gladstone



## RESOURCES

- BHP
- Dalrymple Bay Coal Terminal
- Fortescue
- Glencore
- Newcrest
- Rio Tinto
- South32



## DEFENCE

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



## FABRICATION & ENGINEERING

- ARUP
- Civmec
- 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



# 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 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 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 they are fabricated on-site or in a workshop. It is the internationally recognised benchmark for welding quality.



## AS/NZS ISO 3834 + AS/NZS 5131

Weld Australia is proud to offer a [combined certification service for AS/NZS ISO 3834 and AS/NZS 5131 Structural steelwork fabrication](#). This simplifies the certification process, reduces redundant audits and improves efficiency.



## 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.

# > MEMBERSHIP AT A GLANCE

**Weld Australia's membership is built for how the industry really works. Whether you're delivering major projects, supplying technology, or building your career, you gain immediate value and momentum that compounds over time.**

Join Weld Australia to plug into the peak body that lifts capability, quality and safety across our industry. You'll get value you can bank today like member pricing on training and events, targeted offers, and practical technical support. Plus, you'll see ongoing returns from recognition, advocacy and community.

Whether you're a fabricator, supplier, inspector, educator or asset owner, you can grow your skills, open doors to projects and partners, and add your voice to a stronger, more resilient Australian welding sector. All memberships types include:

- Member pricing on training, events, certification, exams and engineering services
- Access to technical updates, guidance notes and webinars
- Widespread credibility and visibility throughout Australia's industrial sector
- Career opportunities and professional development
- Inclusion in a national community that shares knowledge and opportunities
- A collective voice that advocates for quality, safety and local capability



## MEMBERSHIP PACKAGES

### Corporate

Gold | Silver | Bronze

For fabricators, contractors, asset owners and primes. Unlock influence, capability and delivery support, with credit vouchers, events, advocacy touchpoints, technical leadership, and team enablement at scale.

**LEARN MORE >**

### Industry Supplier

Gold | Silver | Bronze

For equipment, consumables, software and service providers. Reach the market with targeted promotion, event activations, editorial opportunities and lead-generating showcases.

**LEARN MORE >**

### Individual

Welder | Apprentice | Reciprocal

For welders, inspectors, engineers, supervisors, educators and apprentices. Advance skills and credentials with CPD, training discounts, technical support and a connected professional network.

**LEARN MORE >**



# 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 \(IWI-B\)](#)

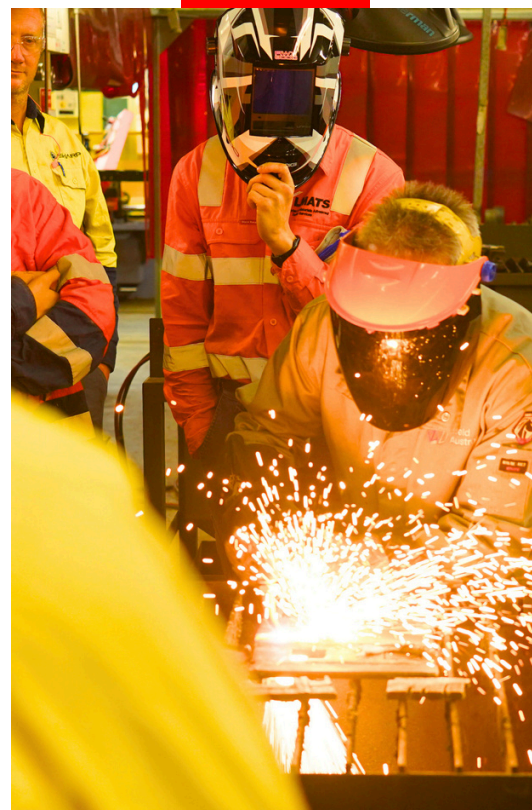
## WELDING SUPERVISION & COORDINATION COURSES

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](mailto: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.



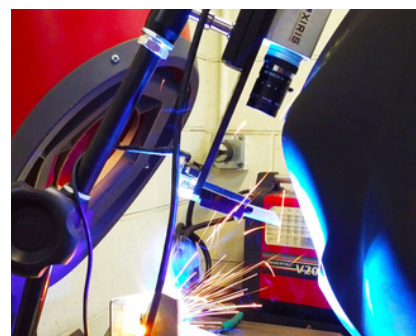
## SOLDAMATIC AUGMENTED REALITY SIMULATORS

**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).

