WELD CONNECT

APRIL 2025

Registrations for the 2025 National Manufacturing Summit Now Open >>>

Supporting Sovereign Capability: Weld Australia Certification Only Available to Australian-Based Fabricators >>>

MTE Becomes First Company Certified by Weld Australia to AS/NZS ISO 3834 + AS/NZS 5131 >>>

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membership@weldaustralia.com.au

Weld Australia

IN THIS ISSUE

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A MESSAGE FROM OUR CEO

GEOFF CRITTENDEN

APPRENTICES ARE THE FUTURE OF WELDING

It's easy to talk about the importance of sovereign capability. About the need for local content. About why Australia must be able to build our own bridges, wind towers, rare earth mines and submarines. But none of this is possible without the skilled people to do the work. And that's where apprentices come in.

Apprentices are the future of Australia's welding industry. They are the future of our fabrication shops, our major infrastructure projects, and our sovereign capability. But right now, we don't have enough of them. And the ones we do have are not always receiving the best training. This has to change—and it has to change now.

The skills shortage in welding is now approaching crisis levels. While previous projections estimated a shortfall of 70,000 to 80,000 welders by 2030, current trends suggest that even finding 5,000 competent welders in the coming years may be a stretch. Without action, we won't have the skilled workforce needed to deliver our critical energy, defence, transport and infrastructure projects.

The real issue isn't just about numbers. It's about capability. Many of the projects essential to our national future—renewable energy infrastructure, the AUKUS submarine program, Defence manufacturing, and even nuclear power (if it proceeds)—require highly specialised welding skills. These include work on high-pressure systems, welding to strict international standards, and fabrication in confined or hazardous environments. We need to be smarter—and faster—about how we train the next generation of welders. We need more apprentices, and we need to give them better training. That means upgrading outdated training systems and embracing innovation.

Weld Australia has long advocated for an overhaul of the current training model. The existing Certificate III in Engineering (Fabrication Trade) takes three to four years to complete. In today's fast-paced environment, that timeline simply isn't practical. It's not delivering the volume or the quality of welders we need.

That's why we're championing a new approach. Our proposal is simple: condense the current training into a one-year intensive program. That program includes 14 weeks of hands-on training, followed by 10 weeks of structured on-the-job learning. Apprentices would graduate with the same qualification, but in a fraction of the time—and with better skills.

This streamlined model is supported by cutting-edge learning resources developed by Weld Australia. These resources align with the Manufacturing and

Engineering (MEM) training package and use the latest digital technology to create engaging, immersive learning experiences. In fact, our resources recently won the International Institute of Welding Award for Outstanding Contribution to Welder Training.

These learning resources are more than just worksheets or videos. They represent a leap forward in how we prepare apprentices for real-world work. They help ensure that when a young person walks onto the job site, they can read a welding procedure, set up a machine, and weld safely and effectively to Australian Standards.

But training alone isn't enough. We need our members to play an active role in nurturing the next generation of welders. That means employing more apprentices. It means creating proper apprentice training programs. And it means treating apprentices with the respect and investment they deserve—giving them real jobs, real tasks, and real opportunities to contribute to advanced manufacturing.

We also need to expand access to welding as a career. This includes tapping into underrepresented groups: Indigenous Australians, women, school leavers, the long-term unemployed, and inmates in correctional facilities. Weld Australia's work in these areas has already shown strong results. Our micro-credentialing program, aligned to ISO 9606, gives participants the chance to become certified, job-ready welders in as little as 12 weeks.

These short-form credentials don't replace apprenticeships—they complement them. A participant who completes ISO 9606 training enters the workplace with more skills and greater confidence, making them more likely to succeed in a traditional apprenticeship pathway. It's about building a workforce that's stronger, more agile, and better equipped to meet the demands of modern manufacturing.

The time for talk is over. We need action. We need to train more apprentices, train them better, and get them on the tools faster. We need to recognise that modern welding is a high-tech, high-skill profession—one that deserves cutting-edge training, industry support, and national attention.

It is our intention to offer a Self-Paced Learning version of our award-winning MEM Learning Resources to all Corporate and Premium Corporate Members so that their apprentices can benefit from the resources.

We envisage giving Corporate and Premium Corporate Members a number of free licences so that at least 80% of all apprentices employed by members will have access to the system at no charge. To help us with planning, could you please complete our short survey. It should take two minutes to complete. All results will remain anonymous.

Together, we can build a welding workforce that's ready to take on the challenges of tomorrow.

Complete the survey today. Let's get to work.

Geoff Crittenden

CEO, Weld Australia

TAKE THE SURVEY NOW

RECENT MEDIA COVERAGE

2GB Radio Interview: In-studio interview with Geoff Crittenden on 20 March

ABC Radio NSW State-Wide Morning Show: On-air interview with Geoff Crittenden on 18 March

2ST Radio South Coast: On-air interview with Geoff Crittenden on 18 March

88.9 FM Tamworth Radio: On-air interview with Geoff Crittenden on 18 March

New windfarms welcome, but will see local manufacturers sidelined over Chinese imports: Weld Australia, published by AuManufacturing

Weld Australia calls for local manufacturing mandates in nation's renewable energy expansion, published by Australian Manufacturing

Wind farm approvals boost renewables, hit Australian industry, published by Energy Central

Weld Australia launches new certification service, published by The Tradie

New Weld Australia certification service aims to cut costs by simplifying compliance for manufacturers, published by Australian Manufacturing

Weld Australia joins forces with global leaders to future proof manufacturing, published by Australian Manufacturing

Weld Australia partners up with EWI and CWB, published by AuManufacturing

AUSTRALIAN GOVERNMENTS MUST BEAT TRUMP'S TARIFFS WITH A NATION BUILDING APPROACH

Weld Australia has issued a strong response to US President Donald Trump's sweeping new tariff regime, which has imposed exorbitant duties on a wide range of global imports, including a staggering 50% tariff on Lesotho's diamond exports. While the age of free trade appears to be drawing to a close, Weld Australia believes that Australia has a unique opportunity to carve out a new path—one based on sovereign manufacturing capability, rather than isolationist policies.

According to Geoff Crittenden, CEO of Weld Australia, "We have enormous, growing demand for everything from renewable energy infrastructure to roads, gas plants, and submarines. The solution to this crisis isn't more tariffs—it's simple. Let's build our own infrastructure ourselves."

Trump's chaotic tariff regime is set to create untold misery and uncertainty, particularly for developing nations already grappling with poverty. These sweeping changes could destabilise global trade, disrupt supply chains, and spark inflation worldwide.

"This isn't just a bad day for trade—it's a disaster for global equity," said Crittenden. "Poor nations like Lesotho, who have no electricity or running water, and Madagascar, where three-quarters of the population lives in poverty, are now being hit with sky-high tariffs simply for trying to participate in the global economy. It's punitive and unjust."

While the World Trade Organisation (WTO) was originally established by the United States to enforce rules-based trade, its effectiveness has waned. "The WTO has failed to act on dumping in Australia by a range of countries, particularly in steel and fabricated steel. If they can't or won't enforce the rules, what's the point?" said Crittenden.

Read the full media release on our website.

WATCH GEOFF CRITTENDEN DISCUSS TRUMP'S TARIFFS AND LOCAL MANUFACTURING CAPABILITY >>>

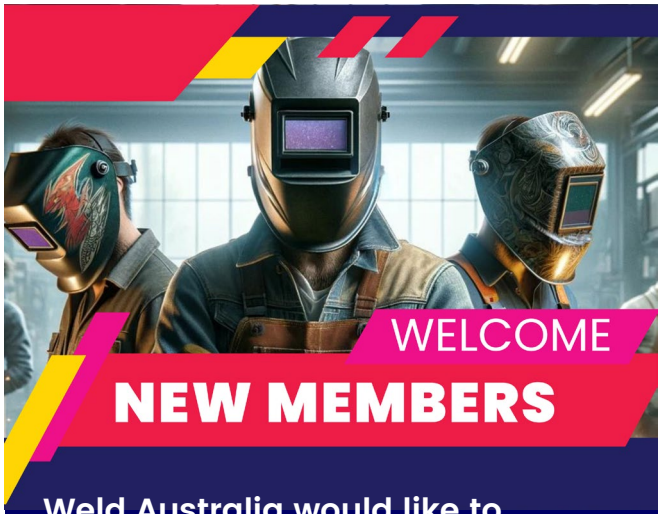
WANT TO DISCOVER HOW WELD AUSTRALIA CAN SUPPORT YOU THROUGH MEMBERSHIP?

Questions? Queries? Wondering how Weld Australia can help support your business, staff or career progression?

Contact David Choudry (Membership Manager, Weld Australia) on d.choudry@weldaustralia.com.au to set up a 20 minute Zoom chat. David will take you through the ways that Weld Australia can help.

A reminder that your Weld Australia membership expired on 31 March. So, if you haven't already renewed yours for this year, now is the time!

If you're not sure if you have renewed for this year, or you want to renew now, log into the Member Portal or contact us on membership@weldaustralia.com.au



Weld Australia would like to welcome all our new Members who have joined in the last month.

CORPORATE MEMBERS

- TMH Welding & Fabrication: tmhfab.com.au
- Davebuilt Industries: davebilt.com.au

INDIVIDUAL MEMBERS

- Cody Rayner
- Karthikeya Jithendra Babu
- Mark Dorr
- Michael Ingham
- Phillip Lumsdon
- Ameruddin Ahmed Mohammed
- Pravinkumar Prajapati
- Brandon Nikora
- Thomas Mosey
- Benjamin Jr Sasan
- Jie Wang
- Niel Swanepoel
- Adam Cowpe-Pendleton
- Darren Emery
- Ahmed Elsayed
- Kody Evans
- Praveen Raghul Joseph Clement
- Frederick Mills
- Susan Simmonds
- Michael Knight
- Neal Palmer
- Brodie Stanley
- Andrew Gordon-Newman

JOIN TODAY

For further information, contact David Choudry (Membership Manager) on d.choudry@weldaustralia.com.au or 0417 878 104.

Weld Australia

IIW 2025 DIGITAL COLLECTION WELDED ART PHOTOGRAPHIC EXHIBITION

ENTER NOW >

INDIGENOUS WELDERS INVITED TO SHOWCASE CULTURAL CREATIVITY

Weld Australia and HERA are calling on Indigenous artists from Australia and New Zealand to submit their welded artworks for inclusion in the International Institute of Welding (IIW) 2025 Digital Collection Welded Art Photographic Exhibition: Progressing Biodiversity.

This global exhibition will highlight the deep cultural significance of biodiversity through Indigenous perspectives, showcasing welded artworks that explore heritage, traditions, and the relationship between people and the natural world. The collection will be launched at the IIW Annual Assembly in Genoa, Italy, from 22 to 27 June 2025, providing artists with an unparalleled international platform.

According to Geoff Crittenden, CEO of Weld Australia, this is a rare opportunity for Indigenous artists to share their culture and stories with a worldwide audience.

“Welding is so much more than a trade—it is an art form, a tool for storytelling, and a way to connect with history and culture. This exhibition is about celebrating Indigenous creativity and showcasing the powerful connection between welding, culture, and biodiversity,” said Crittenden.

“The IIW Digital Collection provides a truly global stage for artists to share their work. Not only will selected pieces be displayed at the IIW Annual Assembly, but they’ll also be promoted through IIW’s vast international networks. This is a fantastic chance for Indigenous artists to gain worldwide recognition for their craftsmanship.”

Since 2019, the IIW has hosted five welded art photographic exhibitions, proving that welding is not just a technical skill but a powerful medium for artistic expression. This exhibition is a non-competitive, informal platform that encourages participation from artists of all levels, including professional welders, hobbyists, students, blacksmiths, and educators.

“Biodiversity is at the heart of Indigenous culture—caring for Country is a responsibility passed down through generations. By incorporating this theme into welded art, we hope to spark conversations about sustainability, environmental protection, and the importance of Indigenous knowledge in protecting ecosystems,” Crittenden said.

How to Get Involved

Artists are invited to submit high-quality photographs of their welded artworks that reflect biodiversity, Indigenous heritage, and cultural storytelling. Each submission must include a 200-word description of the artwork, a photo of the artist, and a short biography. All entries must be submitted via the online entry form. Submissions close at 5pm on Friday 25 April 2025.

A panel from Weld Australia and HERA will assess all entries, selecting one artist from Australia and one from New Zealand to represent the region in the IIW 2025 competition.

“This is more than an exhibition—it’s a movement to recognise and celebrate Indigenous talent in the welding industry. We’re calling on Indigenous artists to share their stories, inspire others, and be part of something truly extraordinary,” Crittenden said.

For more information, visit our website.

Weld Australia

2025 WELDING EXCELLENCE AWARDS

ENTRIES ARE NOW OPEN FOR THE 2025 WELDING EXCELLENCE AWARDS

Weld Australia's Excellence Awards are the most prestigious event on the welding industry calendar. The Awards embody and promote the highest standards of craftsmanship, quality and professionalism. The 2025 Welding Excellence Awards are a fantastic opportunity for welders, fabricators and educators across Australia to showcase their people and their operations. Winners will be awarded in each state for each of the award categories below.

ENTER THE AWARDS

Entries must be submitted via the specific online form for each category by midnight on 5 September 2025. These forms can be found on the Weld Australia website. Before starting your entry, download the Award Criteria:

- Company of the Year – Fabrication
- Company of the Year – Supplier
- Indigenous Company of the Year
- Health & Safety in Welding
- Project of the Year
- Welding Professional of the Year – Welding Coordinator
- Welding Professional of the Year – Welding Supervisor
- Welding Professional of the Year – Welding Inspector
- Young Trades Person of the Year (under 25 years of age)
- Trades Person of the Year (25+ years of age)
- Young Indigenous Trades Person of the Year
- Training and Education Award – Organisation
- Training and Education Award – Individual Teacher
- Ken Trevena Award – South Australia Only
- Mick Cudmore Award – Western Australia Only

ENTER THE AWARDS NOW

ATTEND THE AWARDS

The awards will be presented at events held across the country in October and November:

- Queensland & NT: Thursday 9 October at Victoria Park, Herston Road, Herston
- NSW & ACT: Thursday 23 October at Strathfield Golf Club, 52 Weeroona Road, Strathfield
- Victoria & Tasmania: Wednesday 12 November at RACV Club, 501 Bourke Street, Melbourne
- Western Australia: Thursday 27 November at DoubleTree by Hilton Perth Waterfront, 1 Barrack Square, Perth
- South Australia: Thursday 4 December at Adelaide Pavillion, Veale Gardens, Corner South Terrace & Peacock Road, Adelaide

WITH THANKS TO OUR NATIONAL AWARDS SPONSORS

BOC A Linde company · coregas · Diverseco · KEMPPI · LORCH smart welding · OUTSOURCE INSTITUTE (AUS) · ProQM · Scott & Broad · SPW

INDUSTRY NEWS

$480 MILLION INVESTMENT IN SHIPBUILDING AND AUKUS WORKFORCE

The Federal Government recently announced four new Free TAFE courses designed to strengthen Australia's manufacturing sector by upskilling workers and creating new employment pathways.

The courses will be offered through the TAFE NSW Manufacturing Centres of Excellence, established last year with $157.2 million in matched funding from the Commonwealth and NSW governments over four years.

Three self-paced online Microskills courses are now open for enrolment: "Discover renewable manufacturing careers," "Discover advanced manufacturing careers," and "Maths foundations in the manufacturing industry." A fourth Microcredential in "Generative design and analysis" will provide specialised training in advanced computer-aided drafting software.

These offerings represent the first wave of specialised manufacturing training planned for delivery through the Centres of Excellence this year.

To enhance tertiary collaboration, a University Partnership Panel involving 10 universities across New South Wales, Victoria, and Queensland has been established to support expertise in manufacturing education over the next four years.

"Free TAFE is changing lives and it is building Australia's future," said Minister for Skills and Training Andrew Giles. "The TAFE Centres of Excellence were established to be job-creating hubs, and this is more evidence that what we're doing is working."

GREENSTEEL AUSTRALIA PLACES $1.6 BILLION ORDER FOR FABRICATION OF STEEL MILL

Sydney-based Greensteel Australia has announced it had placed an order with leading global steelmaking infrastructure group Danieli Group to purchase stages two and three of its proposed ultra-low-carbon steel mill.

The order, valued in excess of $1.6 billion, comprises a direct reduced iron (DRI) plant, two electric arc furnaces, a structural steel rolling mill with high-speed rail capability, and a second rolling mill for reinforced steel (rebar).

The order follows Greensteel's placement of an initial order with Italy-based Danieli for fabrication of a single reinforced steel (rebar) rolling mill in October last year.

Delivery of the three mills, two arc furnaces and DRI plant is expected by late 2026 or early 2027 and will mark a crucial milestone in Greensteel's plans to establish Australia's first ultra-low-carbon steelmaking operation, bolstering the country's sovereign steelmaking capability.

Speaking at a contract-signing event in Adelaide, Greensteel president and executive director, Mena Ibrahim, emphasised the company's commitment to establishing Australia's most advanced steelmaking hub while contributing to heavy-industry decarbonisation.

"Danieli is the world's leading provider of advanced, high-technology steelmaking infrastructure. Bringing their expertise to Australia will immediately position this country among the ranks of the most advanced steel suppliers globally," Ibrahim said.

UPCOMING EVENTS

Need help or further details? Contact events@weldaustralia.com.au

WELD AUSTRALIA INTRODUCTION TO PARTNERSHIP WITH EWI & CWB

Tuesday 29 April 2025 | 9.30am to 10.45pm AEST
Online via Zoom

Weld Australia is proud to announce a strategic partnership with two of the world's leading welding technology organisations—EWI (formerly the Edison Welding Institute) and the Canadian Welding Bureau.

This collaboration will provide Australian manufacturers with direct access to cutting-edge automation solutions, world-class research and development (R&D), and advanced training programs. Attendees can hear from:

- Ben Mitchell, Strategic Partnerships, Weld Australia
- Doug Luciani, President and CEO, CWB Group
- Henry Cialone, President and CEO, EWI
- Geoff Crittenden, CEO, Weld Australia

REGISTER NOW

MAXIMISING PRODUCTIVITY WITH COBOT WELDING BY COLBOTIC AUTOMATION

Wednesday 30 April 2025 | 5.30pm to 8.30pm ACST
Adelaide

Join us for an insightful introduction to cobot welding, where we'll explore the key reasons why investing in this technology is a game-changer. Cobot welding maximises productivity, addresses the welder shortage, enhances weld quality, excels in small-batch production, and delivers a rapid return on investment. The session will cover:

- Why Choose Cobot Welding?
- ColWeld Software App
- Cobot Welding Systems
- Jig Design for Cobot Welding
- Sensing and Adaptability

REGISTER NOW

WHAT TO LOOK OUT FOR WHEN REVIEWING SUBCONTRACTSNICS

Tuesday 27 May 2025 | 5.00pm to 6.00pm AEST
Online Via Zoom

We'll look at the essential components subcontractors need to consider when reviewing and negotiating contracts. During the webinar we will look at key considerations to help mitigate risk, safeguard your interests and support successful project outcomes. We'll break down complex topics so members can review their approach to subcontract agreements, to ensure fair and reasonable project outcomes.

The session will be presented by Charles Moran, a Partner at Lynch Meyer Lawyers. Charles practices in the firm's Construction and Infrastructure team in engineering, insolvency, commercial litigation, debt recovery and disputeresolution.

REGISTER NOW

LASER WELDING AND ADVANCED ULTRASONICS

Thursday 29 May 2025 | 5.30pm to 7.30pm AEST
Melbourne

Witness the latest technologies in laser welding and ultrasonic testing. Hear from industry experts and see first-hand a demonstration of a joint being welded by a Laser Welding machine then see the same joint being tested using the latest technologies in ultrasonic flaw detectors. You will also have the opportunity to ask questions and play with the ultrasonic equipment yourself.

Guest speakers include:

- Paul Trigg and Nick Eleftheriou from Evident Scientific
- Cameron Jamieson from Industrial Laser Solutions
- David Wilson from Ringwood Training

REGISTER NOW

TWO DAY COURSE

AWS D1.1

STRUCTURAL WELDING CODE – STEEL

Understanding the AWS D1.1 code helps fabricators and welders ensure compliance with industry standards, improve weld quality and structural integrity, enhance job opportunities, and reduce the risk of costly rework or project delays.

LIVE ONLINE WEBINAR NOW AVAILABLE

MELBOURNE & ONLINE

30 APRIL & 1 MAY 2025

Many industries worldwide, including structural buildings, bridges, mining equipment, marine applications, and more, now require welding to comply with the AWS D1.1 code. Achieving this certification ensures fabrication and inspection meet stringent quality standards, helping companies reduce rework, minimise costs, and deliver projects on time. This course will be facilitated by expert presenter Cristian Zanfir (Manager of Standards, Office of Public Safety, CWB Group).

CRISTIAN ZANFIR

Cristian Zanfir joined the CWB Group in 2004. Over the years, Cristian has held several key positions within the organisation, including Procedure Verification Engineer, Supervisor of Ontario Operations, Supervisor of Procedure Verification Engineers, and in the Electrodes Certification Department.

Today, Cristian serves as the Manager of Standards in the CWB Group's Office of Public Safety. In this role, he plays a pivotal part in the development of standards, actively contributing to numerous committees within AWS, ASME, CSA, and ISO.

With a Bachelor of Engineering in Welding and a Level 2 Visual Welding Inspector certification, Cristian brings a wealth of expertise and dedication to advancing welding standards and practices globally.

COURSE OVERVIEW

This comprehensive course explores the requirements for AWS D1.1 compliance, covering key topics such as:

- Certification for welding contractors, inspectors, and procedures
- Visual welding inspection techniques
- Pre-qualification and qualification of welding procedures
- Changes coming in the new D1.1:2025 edition

COST

- In-person in Melbourne:
  - Weld Australia Members: $2,450 inc GST
  - Non Weld Australia Members: $2,650 inc GST
- Live webinar, to facilitate interstate attendees:
  - Weld Australia Members: $2,000 inc GST
  - Non Weld Australia Members: $2,200 inc GST

COURSE DETAILS

- **Date:** 30 April and 1 May 2025
- **Time:** 8.00am registration on day one; 8.30am to 5pm
- **Location:** Melbourne & Online

REGISTER NOW

QUESTIONS?

For further details, contact: Danielle Pennington on 0493 024 505 or d.pennington@weldaustralia.com.au

Weld Australia

Please join us for the

2025 INDUSTRY DRINKS NIGHTS

With a relaxed, informal setting, Weld Australia's Industry Drinks Nights are designed to foster connections, inspire new ideas, and cultivate partnerships among Australia's top welding professionals. Hear from the Weld Australia team, as well as other industry experts. Industry Drinks Nights are FREE for Weld Australia members; and $65 for non-members, which includes drinks and canapés throughout the night. For information, simply contact events@weldaustralia.com.au.

QUEENSLAND & NT

Sponsored by Kemppi

- Date: Thursday 12 June 2025
- Time: 6:00pm to 8:30pm
- Venue: Victoria Park
- Address: Herston Road, Herston Queensland 4006

REGISTER FOR QLD & NT

SOUTH AUSTRALIA

Sponsored by WESS

- Date: Thursday 19 June 2025
- Time: 6:00pm to 8:30pm
- Venue: The Royal South Australian Yacht Squadron at North Haven
- Address: 750 Victoria Road, Outer Harbor SA 5018

REGISTER FOR SA

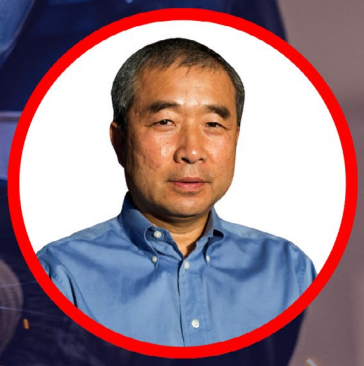
KEMPPI

W.E.S.S.
WELDING EQUIPMENT SALES & SERVICE

TWO DAY COURSE

WELDED STRUCTURES

- RESIDUAL STRESS & DISTORTION CONTROL
- FATIGUE DESIGN



ADELAIDE: 2 & 3 JUNE
SYDNEY: 4 & 5 JUNE

- Expand your proficiency in the engineering and design of welded structures
- Grow your technical skills on residual stresses and distortions

Facilitated by USA expert Pingsha Dong, this two day course will cover the fundamentals that every engineer should know when designing welded components. From weld in-situ strength, residual stresses, and geometric discontinuities, every aspect plays a different role in contributing to resultant joint strength, and fatigue resistance. Implications on metallic additively manufactured (AM) parts will also be discussed.

With plenty of opportunities for questions, this course can help attendees mitigate the detrimental effects of welding defects, reducing inefficiencies and costs, and improving project schedules and productivity.

COST

- Weld Australia Members: $3,410 inc GST
- Non Weld Australia Members: $3,718 inc GST
- Payment is required at the time of booking. Cancelation four weeks prior to the start date will not be refunded.

COURSE DETAILS

- **Adelaide:** 2 & 3 June 2025
- **Sydney:** 4 & 5 June 2025
- **Venues:** TBC
- **Registration first day:** 8:00am
- **Course time:** 8:30am – 5:00pm

ABOUT PINGSHA DONG

Professor Pingsha Dong of the University of Michigan, is the inventor of the mesh-insensitive structural stress method (also referred to as the Master S-N Curve Method) adopted by the 2007 ASME Div 2 and API 579/ ASME FFS-1 Codes and Standards mandated by over 50 countries worldwide. Over the past 20 years, Professor Dong has taught courses in fatigue design, fracture control, residual stress and distortion control in over a dozen countries around the globe.

Professor Dong has published more than 300 peer reviewed papers in archive journals and major conference proceedings, including over 20 plenary and keynote lectures at major international conferences. He has received numerous prestigious national and international awards, including AWS Comfort Adams Lecture Award (2019), SNAME Helmer L. Hann Awards (both in 2012 and 2007), IIW Evgeny Paton Prize (2008), R&D Magazine's R&D 100 Award (2006), TIME Magazine's Math Innovator (2005), Aviation Week and Space Technology's Aerospace Laurels Award (2004), SAE Henry Ford Award (2003), AWS R.D. Thomas Award, and ASME G.E.O Widera Literature Award (2002), among many others. He is also a Fellow of ASME, AWS and IIW.

REGISTER NOW

QUESTIONS?

For further details, contact: Danielle Pennington on 0493 024 505 or d.pennington@weldaustralia.com.au

WESTERN AUSTRALIA INDUSTRY DRINKS NIGHT IS A GREAT SUCCESS

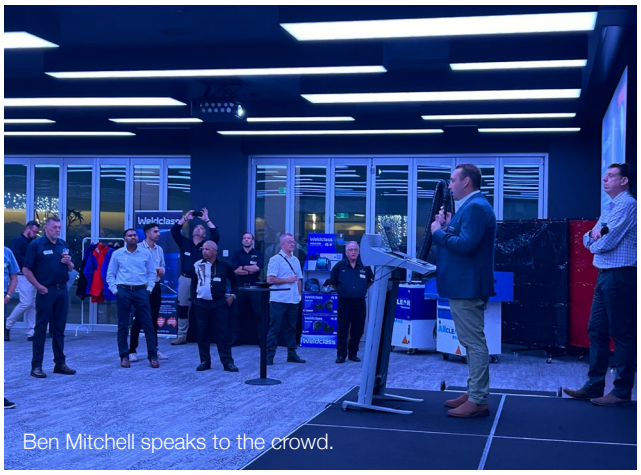
Held on Wednesday 12 March in Perth, the Western Australia Industry Drinks Night was a fantastic night. It offered plenty of opportunities for networking and making new connections.

Attendees heard from Ben Mitchell (Director, Strategic Partnerships, Weld Australia) and Simon Doe (Director, Engineering, Weld Australia) who provided insights into Weld Australia's activities, and exciting plans for the rest of the year.

Weld Australia would like to thank Weldclass for supporting this event—it is the generous support of sponsors that makes events like this possible.

We still have Industry Drinks Nights planned for Queensland and South Australia. If you haven't already registered, now is the time to do. They're FREE for Weld Australia members.

Simon Doe gives a presentation.



Ben Mitchell speaks to the crowd.

THREE DAY COURSE

ASME SECTION IX

Need to use ASME Section IX? Learn how to minimise cost and maximise qualification usefulness.

BRISBANE

7 TO 9 OCTOBER 2025

The ASME code is the American Society of Mechanical Engineers (ASME) standard that regulates the design, development and construction of boilers and pressure vessels. ASME Section IX specifies the requirements for the qualification of welders and the welding procedure specifications. This three day course will give participants a working knowledge of ASME Section IX, including how to comply with its requirements.

WALTER J. SPERKO

The course will be facilitated by Walter J. Sperko, P.E., President of Sperko Engineering Services, a consulting firm specialising in metal fabrication technology, including material selection, welding, heat treating, inspection, quality assurance and failure analysis. He has particular experience in piping and pressure vessel fabrication, installation, maintenance and repair.

Previously, he was Quality Control Manager for RECO North Carolina, and he provided technical support in welding, metallurgy and fabrication for the parent company, Richmond Engineering Company. He was also employed by ITT Grinnell Industrial Piping, where he was responsible for technical interface between piping system designers and the fabrication shop, including all aspects of welding, fabrication and Code interpretation. He also worked for EBASCO Services in the Materials Engineering and Quality Compliance Department.

COURSE OVERVIEW

A review of the welding processes and variables, and basic steel welding metallurgy will be conducted to provide all participants with sufficient background in welding technology to interpret and understand Section IX. The mechanics of using Section IX and how to address its requirements will be explained in a simple, straightforward manner. Emphasis will be placed on writing welding procedures so that they contribute positively to the manufacturing process and on qualifying procedures in a cost-effective manner.

COST

- Weld Australia Members: $3,610 inc GST
- Non Weld Australia Members: $3,810 inc GST
- Payment is required at the time of booking. Cancelation four weeks prior to the start date will not be refunded.

COURSE DETAILS

- **Date:** 7 to 9 October 2025
- **Time:** 8.30am registration on day one; 9am to 5pm
- **Venue:** Amora Hotel, Brisbane

REGISTER NOW

QUESTIONS?

For further details, contact: Danielle Pennington on 0493 024 505 or d.pennington@weldaustralia.com.au

Registrations for the National Manufacturing Summit Now Open and Venue Announced

Weld Australia is pleased to announce that the 2025 National Manufacturing Summit will be held at the Shangri-La Sydney.

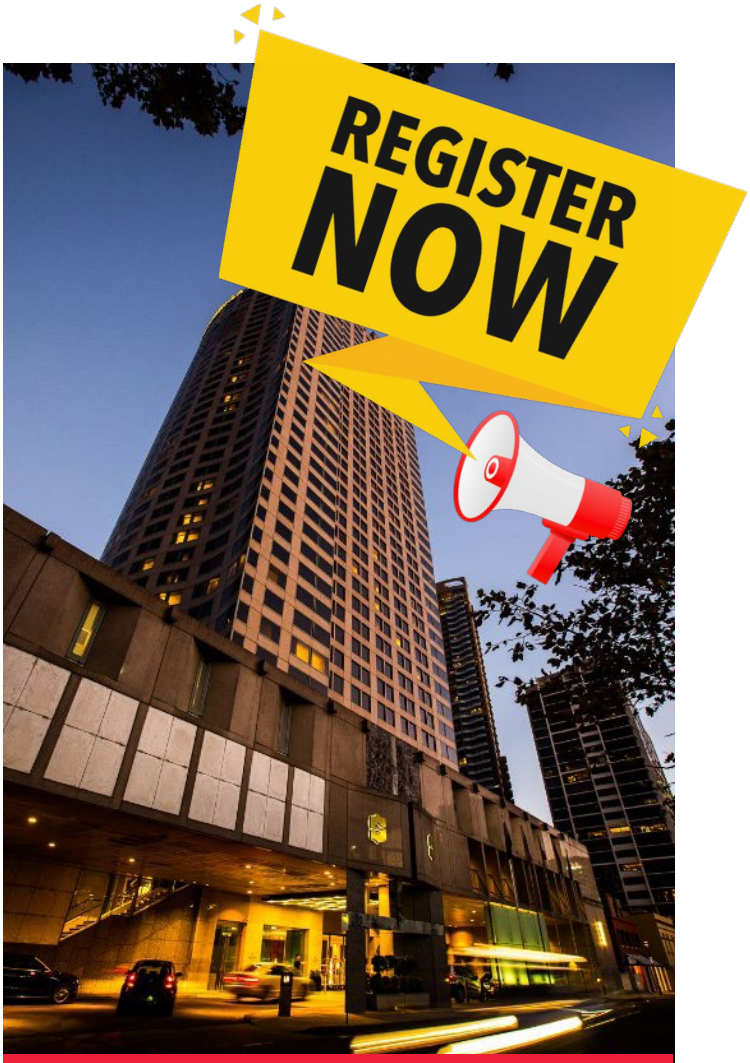
Nestled in Sydney's historic Rocks district, the Shangri-La Sydney offers a luxurious setting for our conference. Delegates will enjoy panoramic views of Sydney Harbour, the Opera House, and the Harbour Bridge from elegantly appointed rooms and suites.

This high-rise luxury hotel is a five minute walk from the Museum of Contemporary Art Australia, seven minutes' walk from Circular Quay train station and 1km from the Sydney Opera House. The Shangri-La Sydney features state-of-the-art conference facilities, award-winning dining options—including the renowned Altitude Restaurant—and exceptional amenities such as Chi, The Spa.

With key focus areas including renewable energy, infrastructure, defence, critical minerals, workforce development, and policy, the Summit will explore actionable solutions to drive economic growth, increase sovereign capability, and support local businesses. Tthe Summit will highlight the importance of establishing a minimum local content threshold across all government and major private sector procurements.

In the coming weeks, we'll be launching the full program for the Summit.

Visit the Summit website to register now.



VISIT THE SUMMIT WEBSITE

With thanks to our Major Sponsor Investment NSW

As Australia's leading manufacturing state, NSW is home to a range of innovative, competitive, and collaborative manufacturers with advanced capabilities in design and development, innovation, and customisation that drive a dynamic and resilient economy.

The NSW Government are committed to advancing our manufacturing sector through programs to support workforce skills and development, exports, sustainability, innovation and research and development.

Investment NSW drives economic growth and prosperity for the people of NSW by bringing together business, government and priority markets to deliver on the government's strategic priorities and boost the state's innovation, industry, investment and trade.

NSW GOVERNMENT

Investment NSW

Weld Australia

REGISTER NOW

NATIONAL MANUFACTURING SUMMIT 2025

MANUFACTURING AUSTRALIA'S FUTURE

LOCAL STRENGTH, GLOBAL IMPACT

23 & 24 JULY 2025 | SHANGRI-LA SYDNEY

manufacturingsummit.com.au events@weldaustralia.com.au 1800 189 900

SOUTH EAST FIELD DAYS IN LUCINDALE

Simon Doe (Director, Engineering, Weld Australia) recently attended the South East Field Days in Lucindale, South Australia as a guest of WESS.

The South East Field Days is a premier two day agricultural event held annually in March. With over 500 exhibitors the focus is on showcasing the latest in agricultural products, services, and equipment.

While at the event, Simon spoke to a range of companies to explore how Weld Australia can better support the agricultural sector. Several opportunities emerged, particularly around fume mitigation, quality standards, and advocacy.

Many exhibitors and attendees expressed a strong interest in the latest fume minimisation guidelines and sought advice on how to meet compliance requirements. It's clear that there is a great deal of Australian ingenuity in the agriculture space, and Weld Australia has a valuable role to play in sharing best practice guidance and helping optimise welding processes across the industry.

Our thanks to WESS for the opportunity to attend this insightful and engaging event.

David Wilton (WESS) and Simon Doe.

NEW SOUTH WALES INDUSTRY DRINKS NIGHT

Held on Thursday 27 March at Cargo Bar in Darling Harbour, the New South Wales Industry Drinks Night was a fantastic night. It offered plenty of opportunities for networking and making new connections.

Attendees heard from Geoff Crittenden (CEO, Weld Australia) who provided insights into Weld Australia's activities, and exciting plans for the rest of the year.

Weld Australia would like to thank TAFE NSW for supporting this event—it is the generous support of sponsors that makes events like this possible.

We still have Industry Drinks Nights planned for Queensland and South Australia. If you haven't already registered, now is the time to do. They're FREE for Weld Australia members.

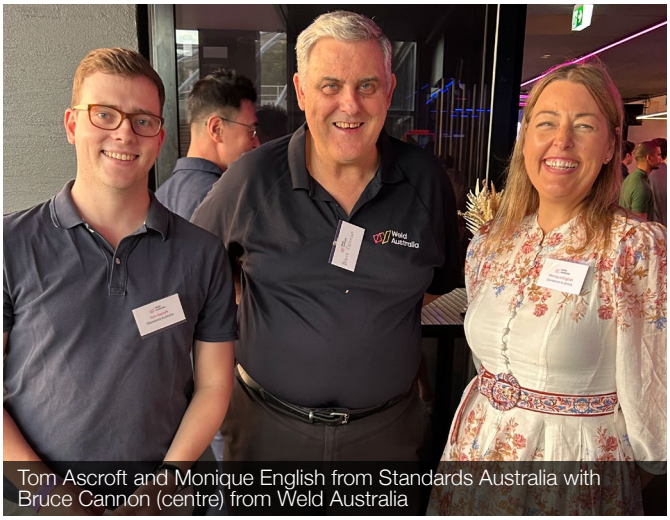
Geoff Crittenden gives a presenation


L to R: Josh O'Neill (TAFE NSW); Weld Australia team members Luke Nicholls, Michael Pitt and Guy Brooks; and XXXX (TAFE NSW)


Arya Sharifian (Weld Australia) and Jason Elias (Precision Metal Group)


Members of the Coregas team


Team members from Delta Electricity


Tom Ascroft and Monique English from Standards Australia with Bruce Cannon (centre) from Weld Australia

PROFESSIONAL LEARNING FOR VET MANUFACTURING AND ENGINEERING TEACHERS

Weld Australia was proud to be part of a highly successful day of learning, connection, and hands-on industry engagement for educators and stakeholders in the engineering and manufacturing training sector.

The day began at Engineers Australia in Perth with registration and refreshments, followed by a site visit to Adarsh Australia's state-of-the-art CNC machining, steel fabrication, and welding facility. Attendees enjoyed a guided tour led by the Adarsh team, gaining practical insight into real-world industry operations and career pathways for students.

Attendees enjoyed a networking lunch and the chance to experience Weld Australia's Soldamatic Augmented Reality Welding Simulators. Ian Mackay (Business Development Manager, Weld Australia) was on hand to run live demonstrations and share how this technology is being used to engage students and enhance welding training across the country.

In the afternoon, participants heard from trainers about their experiences teaching various engineering units. This was followed by presentations from leading industry employers, including OLP Robotics and Automation, Griffin Marine Services, Austal Shipyards, and DTH Engineering and the Henderson Alliance.

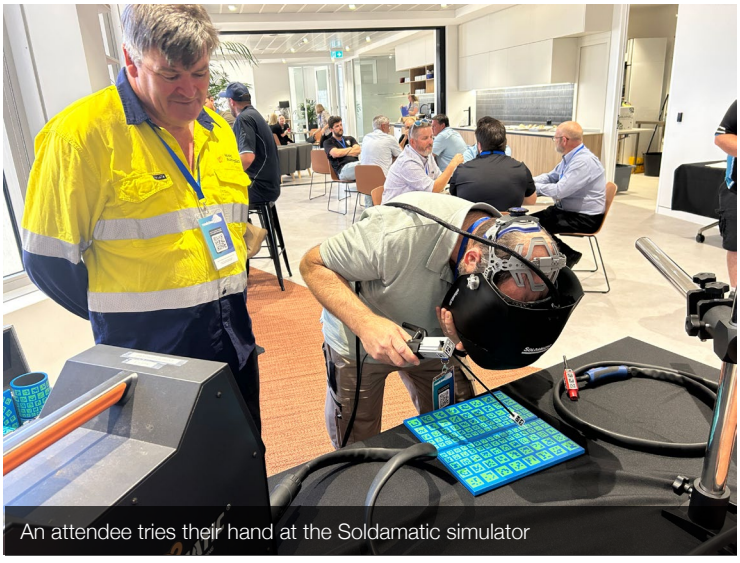
Ian Mackay also delivered a presentation on the future of welding training and the role of augmented reality in bridging skills gaps. He later joined a panel discussion alongside other industry experts, providing valuable insights into how education and industry can work together to strengthen workforce capability.

Weld Australia would like to thank Peter Frawley (Industry Engagement Officer ReadCloud) for his hard work in organising an excellent day.

Ian Mackay gives a presentation

Ian Mackay demonstrates the Soldamatic welding simulator

The expert panel



An attendee tries their hand at the Soldamatic simulator

QMEA TRADIES FOR A DAY

Weld Australia was proud to support the QMEA Tradies for a Day workshop hosted by Bowen State High School on Tuesday 25 March 2025. The event brought together 14 students and five industry representatives from across the trades to explore hands-on activities and gain a deeper understanding of career pathways in the vocational and technical sectors.

The day offered students a unique opportunity to engage directly with industry professionals, ask questions, and get involved in practical demonstrations. Feedback from both students and industry reps was overwhelmingly positive—it was clear the students were enthusiastic, engaged, and genuinely enjoying the day.

A highlight of the event was the opportunity for students to get hands-on experience using the Weld Australia welding simulator, which was one of the most popular activities on the day. The cutting-edge Soldamatic augmented reality welding simulator offers a safe and engaging way for students to try welding for the first time—combining the excitement of practical learning with the realism of industrial technology. We're proud to support programs like this that make welding more accessible, fun, and future-focused.

Events like these rely heavily on the dedication of local schools and industry representatives, and Weld Australia extends a big thank you to all the QMEA school and industry partners who helped bring the workshop to life.

Weld Australia is committed to working alongside schools, training organisations, and industry to inspire the next generation of welders and tradespeople, and we're excited to continue supporting QMEA in delivering meaningful, hands-on learning experiences across Queensland.

EXPERIENCE THE LATEST WELDING TECHNOLOGIES AT AMW 2025.

FREE TO ATTEND

AUSTRALIA'S LEADING MANUFACTURING TECHNOLOGY SHOW

For over two decades, Australian Manufacturing Australian Manufacturing Week (AMW), continues to be the premier event to explore emerging technologies, learn from industry leaders, and network with potential customers and collaborators.

Explore the latest developments in the industry, with over 30 welding and air exhibitors demonstrating technology and solutions. AMW 2025 is shaping up to be our biggest show ever, with 400+ exhibitors and more than 15,000 guests.

WITH LARGE CROWDS EXPECTED, PRE-REGISTRATION IS HIGHLY RECOMMENDED. STREAMLINE YOUR ACCESS TO THE SHOW AND POTENTIALLY SAVE A LOT OF TIME.

Visit **www.australianmanufacturingweek.com.au** and secure your spot today.

AUSTRALIAN MANUFACTURING WEEK

AMW 2025

MELBOURNE

6-9 MAY, 2025 • MCEC, MELBOURNE

AMW IS AN AMTIL INITIATIVE

1934AMWMEL25WELDTECH

GET READY FOR AUSTRALIAN MANUFACTURING WEEK 2025 (AMW) COMING TO MELBOURNE IN MAY!

Australian Manufacturing Week 2025 will open on Tuesday 6 May, at the Melbourne Convention and Exhibition Centre (MCEC), and run until Friday 9 May. Over 400 exhibitors will showcase their best manufacturing technology across 12,000 square metres at the MCEC.

Manufacturing will truly take centre stage at AMW2025. The event will feature everything from machining centres and lathes to sheet metal machines, additive and digital manufacturing, robots and automation, manufacturing software, welding and air technology, process improvement, and many prototype technologies.

The Future Solutions Speaker Program at AMW2025 is free to attend and serves as a platform for the industry to stay informed, share knowledge, and learn from each other. This event celebrates manufacturing in Australia, highlighting innovation and providing networking opportunities within the advanced manufacturing sector.

AMW2025 is set to be larger than any previous events and will be divided into six zones across the MCEC to accommodate the massive demand:

- **Machine Tool Zone**: The epicentre of the exhibition, featuring top companies in the machine tools and ancillary equipment industries.
- **Additive Manufacturing Zone**: Showcasing advanced technologies such as Stereolithography, Selective Laser Sintering, Material Extrusion, Sheet Lamination, Binder Jetting, Cold Spray Processing, Material Jetting, and Wire Arc Manufacturing (WAAM).
- **Australian Manufacturers Pavilion**: Highlighting the capabilities of Australia's precision engineering and advanced manufacturing industry.
- **Manufacturing Solutions Zone**: Offering optimised solutions to common challenges faced by manufacturers, including a diverse array of ancillary technologies and support services.
- **Robotics & Automation Zone**: Featuring state-of-the-art equipment and processes for optimising manufacturing operations, with robots designed to refine, manufacture, and advance Australian manufacturing.
- **Weld & Air Solutions Zone**: Showcasing advanced welding processes and providing high-quality interactive experiences demonstrating developments and applications in the welding sector.

Due to particularly strong interest in AMW 2025, large crowds are expected. Pre-registration is highly recommended to make accessing the show easier on the day. Taking a few minutes to register now could save you up to an hour compared to registering on the day. Visit the link below and register today!

AMW2025 is the largest Australian manufacturing trade show in the country's biggest venue. Don't miss this event!

Register: australianmanufacturingweek.com.au

REGISTER NOW

ENGINEERING

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.The Weld Australia engineering group has the largest single team of International Welding Engineers (IWE) in Australia. This qualification, issued by the International Institute of Welding, is the highest post-graduate professional welding qualification available.

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.

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

QUESTIONS? QUERIES? NEED HELP?

1800 189 900 or engineering@weldaustralia.com.au

WELD AUSTRALIA'S COMBINED AS/NZS ISO 3834 + AS/NZS 5131 CERTIFICATION SERVICE

Weld Australia now offers an innovative combined certification service for AS/NZS ISO 3834 and AS/NZS 5131. This new offering streamlines the certification process for fabricators and structural steel manufacturers, reducing time, cost, and administrative burden while ensuring compliance with both critical standards.

This service is only available to businesses already certified to AS/NZS ISO 3834, or those completing a dual certification. AS/NZS 5131 certification is provided as an additional component—not as a stand-alone certification.

By integrating the audits for AS/NZS ISO 3834 and AS/NZS 5131, Weld Australia eliminates redundant certification processes, providing a simplified, efficient, and cost-effective solution. Companies seeking AS/NZS ISO 3834 certification can now opt to include AS/NZS 5131 as part of a single, comprehensive audit, ensuring compliance with welding quality and structural steel requirements in one streamlined step.

Our combined certification offering removes unnecessary duplication, making compliance easier and more accessible for businesses of all sizes. By consolidating audits into a single, integrated process, companies will experience significant cost savings, as they no longer need to undergo separate assessments. Additionally, the time and effort saved by avoiding multiple audits will allow businesses to focus on operational efficiency and quality outcomes rather than administrative burdens.

GET CERTIFIED NOW

Reduce costs, save time, and ensure your business meets industry standards with one simplified certification process. Simply email: engineering@weldaustralia.com.au

KEY BENEFITS OF CERTIFICATION

Achieving combined certification with Weld Australia delivers significant benefits for fabricators and purchasing organisations alike:

Efficient Compliance: A single process covering both AS/NZS ISO 3834 and AS/NZS 5131 eliminates duplication and saves resources.

Cost Savings: Combining the certification process lowers overall costs compared to obtaining separate certifications, offering greater value.

Time and Effort Reduction: Combined certification minimises administrative burdens and operational disruptions associated with separate audits.

Enhanced Technical Knowledge: All personnel—trades, inspectors, supervisors, and managers—benefit from increased technical expertise.

Improved Market Access: Certification demonstrates compliance with industry standards, improving supply chain opportunities both locally and overseas.

Risk Mitigation: Reducing errors means less rework, which reduces project costs and overruns, keeping schedules and budgets on track.

MTE Becomes First Company Certified by Weld Australia to AS/NZS ISO 3834-2 + AS/NZS 5131

We're excited to announce that MTE has become the first company certified by Weld Australia to AS/NZS ISO 3834-2 + AS/NZS 5131.

MTE is an Australian, high-performance engineering and manufacturing company. The company was established in 2014 in remote South Australia by Matt Glasser and Tom Glazbrook and originally known as 'Mine Tech Engineering'. Today, MTE has a 200+ strong workforce across four operational facilities, building Australia's sovereign supply chain capability across different industries.

MTE has grown to a leading national supplier of structural, mechanical, and fabrication services, delivering growth through quality tradecraft and quality people. Their capabilities extend to:

- Manufacturing and fabrication services covering structural, mechanical, piping (SMP), sheet metal, CNC machining, and polyethylene pipe welding.
- Premium industrial blast and paint, powder coating, and stainless steel passivation.
- Expert SMP construction, assembly, and remediation services with a large fleet of advanced equipment, including cranes, excavators, loaders, and more.
- Material testing, NDT inspections, ITPs and MDRs to customer requirements.

MTE took the time to answer a few questions about their certification experience.

Why did MTE decide to become certified to AS/NZS ISO 3834 + AS/NZS 5131?
MTE has held its AS/NZS ISO 3834.2 and AS/NZS 5131 CC3 through different auditing bodies with the yearly surveillance audits just one month apart. The level of administration that goes into preparation for these audits can be significant.

AS/NZS ISO 3834 and AS/NZS 5131 are aligned in many ways, so it was a logical step for our business to consolidate our certifications through one auditing body. We opted to go through Weld Australia as they are the peak body representing the welding industry in Australia and the International Institute of Welding (IIW) Authorised Nominated Body for Company Certification (ANBCC).

What benefits did Weld Australia's combined certification service offer?
While consolidating the AS/NZS ISO 3834.2 and AS/NZS 5131 CC3 audits resulted in significant cost saving for our business, the main advantage for MTE was the ability to make one of the yearly audits redundant. This creates a more efficient auditing schedule for the team. Due to the AS/NZS ISO 3834 and AS/NZS 5131 overlap, we found we were doing two desktop reviews and evidence submissions per year that almost mimicked each other.

L to R: MTE team members Bec Cameron, Paul Teteris and Susan Strachan, with Victor Blain and Ross O'Bryan from Weld Australia.

> **"It was apparent from the first engagement that Weld Australia has put careful consideration into how best to streamline the auditing process and ensure companies are left with a high-quality audit, compliant systems and processes, and unparalleled support."**

How did you find the certification process and working with Weld Australia?
During some auditing processes it can feel like a mundane checklist going through the Standards clause by clause, Weld Australia have taken a refreshing and practical approach to their AS/NZS ISO 3834 + AS/NZS 5131 combined audit. The auditors are industry experts providing value-add throughout and have created an auditing system that feels organic, logical, and without repetition.

It was apparent from the first engagement that Weld Australia has put careful consideration into how best to streamline the auditing process and ensure companies are left with a high-quality audit, compliant systems and processes, and unparalleled support.

How has certification impacted or improved your business?
AS/NZS ISO 3834.2 and AS/NZS 5131 certifications reflects MTE's commitment to Quality Tradecraft, one of our core values, and our ability to meet the highest national and international standards. It gives confidence to our clients that we work to the highest standards ensuring their projects are delivered to the highest standard, on time, and on budget.

Supporting Sovereign Capability: Certification Only Available to Australian-Based Fabricators

Weld Australia was recently approached by an overseas-based company seeking certification under AS/NZS ISO 3834 *Quality requirements for fusion welding of metallic materials* and AS/NZS 5131 *Structural steelwork - Fabrication and erection*. We have advised this company that Weld Australia provides certification services exclusively to Australian-based fabricators.

This decision is rooted in our commitment to supporting and strengthening Australia's sovereign manufacturing capability. With rising global uncertainty and increasing competition from overseas suppliers, Weld Australia believes that now, more than ever, we must invest in local industry.

We are proud to certify Australian fabricators under the AS/NZS ISO 3834 and AS/NZS 5131 frameworks, certifications that promotes excellence in welding and fabrication quality and ensure compliance with the most rigorous international standards. However, we are equally committed to ensuring that the benefits of this certification—such as enhanced market access, increased competitiveness, and elevated quality assurance—are reserved for Australian businesses working to support Australia's infrastructure and economic future. Australia is at a crossroads. We face growing demand for major projects across defence, energy, transport, and infrastructure. At the same time, we are seeing local fabricators compete against low-cost international suppliers, many of whom do not meet Australian Standards. As detailed in recent Weld Australia media releases, we must prioritise local content, enforce quality, and back our own industry.

As Weld Australia CEO Geoff Crittenden has said, "Australia has the demand. We have the capability. So, let's make the right choice. We can either hand our infrastructure pipeline over to overseas suppliers, or we can rebuild our sovereign capability and create wealth and jobs right here at home."

Weld Australia firmly believes in a nation-building approach that ensures Australian Government procurement policies, industry practices, and certification programs all contribute to a thriving, self-sufficient industrial base. For this reason, we will not be offering AS/NZS ISO 3834 or AS/NZS 5131 certification to companies located outside Australia.

HILTON MANUFACTURING DELIVERS PRECISION ENGINEERED PRODUCTS

In late March, Gokhan Sacli (Welding Engineer, Weld Australia) recently completed an AS/NZS ISO 3834-2 surveillance audit at Hilton Manufacturing.

Established in 1976, Hilton delivers precision engineered metal products. They service the needs of clients across a range of diverse industries including transportation, defence, civil, commercial, agricultural and health care.

Operating from two modern manufacturing facilities, Hilton's main headquarters and manufacturing plant are in Dandenong Victoria, with over 20,000m^2 of under roof engineering, development and manufacturing facilities. Hilton's second manufacturing facility of 4,000m^2 is located in the south-west region of Brisbane, Queensland.

PRECISION METAL GROUP COMPLETES MULTI-STANDARD AUDIT WITH WELD AUSTRALIA

Ross O'Bryan (Executive General Manager Engineering, Weld Australia) recently conducted a comprehensive audit with Precision Metal Group (PMG), covering AS/NZS ISO 3834 (surveillance), AS/NZS 5131 (certification), and EN 15085 (certification).

Established in 2000, Precision Metal Group is a leader in mechanical engineering services, with expertise spanning onsite machining, machinery maintenance and relocation, and welding. PMG operates across key industries including defence, infrastructure, construction, oil and gas, maritime, mining, and rail.

PMG's commitment to quality and continual improvement is evident in their pursuit of these internationally recognised certifications. Achieving and maintaining compliance with multiple standards ensures they continue to meet the rigorous demands of Australia's most critical and high-spec sectors.

Weld Australia congratulates the team at PMG on their ongoing dedication to excellence in welding and fabrication.

3 WAY SOLUTIONS CERTIFIED TO EN 15085

Earlier this month, Ross O'Bryan (Executive General Manager Engineering, Weld Australia) performed an EN 15085 CL1 audit with 3 Way Solutions in Christchurch, New Zealand.

The company's experienced team of over 45 qualified experts brings superior problem-solving abilities, technical skills, and industry know-how to every task. 3 Way Solutions prides itself on staying at the forefront of innovation, combining the latest, cutting-edge technologies with creative thinking to develop solutions that are both effective and efficient.

Their expansive 4,000m^2 premises can easily facilitate large-scale projects. Plus, their state-of-the-art paperless ERP system enables accurate in-house capacity auditing to better meet client needs.

From conceptualising and prototyping to full-scale manufacturing, 3 Way Solutions end-to-end services ensure that every aspect of their client's projects are expertly managed under one roof. By managing each stage of the manufacturing process in-house, 3 Way Solutions eliminates the need for multiple vendors, saving time that might otherwise have been spent dealing with unnecessary delays.

FREDERICKS FABRICATION ACHIEVES AS/NZS ISO 3834-2 CERTIFICATION

Weld Australia extends its congratulations to Fredericks Fabrication, who have recently achieved AS/NZS ISO 3834-2 certification—a significant milestone that recognises their commitment to the highest standards in welding quality.

A family-owned steel construction business, Fredericks Fabrication has been operating since 1997, led by Director Brenden Fredericks, who brings over 25 years of industry experience to the business. The company specialises in both large-scale structural projects and bespoke fabrication work, offering a comprehensive, end-to-end solution that includes skilled carpenters, crane drivers, riggers, dogmen, and trade assistants.

Fredericks employees are some of the most experienced tradesman in their field. Everyone at Fredericks Fabrication is focused on delivering and maintaining a professional approach to the task at hand, attention to detail and ensuring the utmost quality.

Known for their attention to detail, professionalism, and dedication to quality, Fredericks Fabrication consistently invests in continuous improvement training and advanced technologies to ensure their team remains at the forefront of the industry.

Weld Australia is proud to support companies like Fredericks Fabrication in their journey toward welding excellence. Congratulations once again to the team on this well-earned certification!

SHADBOLT GROUP'S SOUTH AUSTRALIAN FACILITY ACHIEVES AS/NZS ISO 3834-2 CERTIFICATION

Weld Australia congratulates the Shadbolt Group on the successful AS/NZS ISO 3834-2 certification of their South Australian facility—the second site within the group to achieve this internationally recognised quality benchmark.

The certification audit was conducted by Gokhan Sacli, Welding Engineer at Weld Australia, and is a testament to Shadbolt Group's dedication to quality, precision, and continuous improvement across its operations.

Established in 1981, Shadbolt Group has grown into one of Australia's most trusted and capable engineering solutions providers, delivering high-performance outcomes across sectors such as defence, mining, transport, energy, construction, marine, and materials handling. From pipework and tank manufacturing to structural steel, machine building and custom fabrication, Shadbolt's reputation for excellence is grounded in its skilled workforce, high-performance machinery, and customer-first approach.

The AS/NZS ISO 3834-2 certification further strengthens Shadbolt Group's capacity to meet the stringent welding quality requirements of Australia's most critical industries. It reflects their deep commitment to customer satisfaction, safety, reliability, and on-time delivery.

Congratulations once again to the Shadbolt team on this outstanding achievement.

SAMARAS GROUP SUCCESSFULLY COMPLETES AS/NZS ISO 3834-2 SURVEILLANCE AUDIT

Weld Australia congratulates Samaras Group on the successful completion of their AS/NZS ISO 3834-2 surveillance audit, conducted recently by Gokhan Sacli, Welding Engineer at Weld Australia.

Founded in 1974, Samaras Group has grown into one of Australia's leading privately owned heavy engineering and construction providers, known for delivering complex and large-scale projects across the country. Their certified status under AS/NZS ISO 3834-2 reinforces their long-standing commitment to world-class quality assurance, safety, and technical excellence.

Operating from a 75,000m² manufacturing facility in Gillman, South Australia, Samaras Group boasts some of the most advanced steel fabrication capabilities in the country. Their state-of-the-art equipment, integrated quality tracking systems, and highly experienced national workforce allow them to undertake landmark projects across sectors such as defence, airports, stadia, high-rise buildings, mining, and major infrastructure.

The AS/NZS ISO 3834-2 standard ensures that Samaras continues to operate with the highest levels of welding quality and procedural control.

THREE DAY COURSE

API 579-1/ ASME FFS-1

FITNESS-FOR-SERVICE EVALUATION

Learn how to successfully analyse, evaluate, and monitor pressure vessels, piping, and tanks for continued operation. Understand and apply the API 579-1 / ASME FFS-1 fitness-for-service standard in your daily work.

LOCATION TBC
LATE 2025 OR EARLY 2026

Fitness-for-service assessment is a multi-disciplinary engineering approach that is used to determine if equipment is fit to continue operation for some desired future period. The equipment may contain flaws, have sustained damage, or have aged so that it cannot be evaluated by use of the original construction codes. API 579-1/ASME FFS-1 is a comprehensive consensus industry recommended practice that can be used to analyse, evaluate, and monitor equipment for continued operation. The main types of equipment covered by this standard are pressure vessels, piping, and tanks.

GREGORY BROWN

Gregory Brown PhD is the principal and owner of Blue Ring Engineering. He is a current voting member of the ASME/API Joint Committee on Fitness-For-Service. Dr Brown currently performs computational mechanics and fitness-for-service assessments for a variety of industries using API 579, as well as supporting litigation and failure analysis. He also develops specialised software and methodologies for structural analysis and life assessment. Previously Dr Brown was the Chief Engineer for TEAM/Quest Integrity.

Dr Brown joined Dr Ted Anderson in 2001 at Structural Reliability Technology, which later became part of the Quest Integrity Group. Prior to SRT, he developed algorithms to update industrial finite element models using experimental measurements and performed flutter analyses of F16 and F18 fighter aircraft. Dr Anderson, Dr Brown, and the engineers at Structural Reliability Technology performed much of the work that was incorporated into API 579.

COURSE OVERVIEW

This three day course helps participants understand and apply the API/ASME fitness-for-service standard in their daily work. The material presented in the course shows how the disciplines of stress analysis, materials engineering, and nondestructive inspection interact and apply to fitness-for-service assessment. The assessment methods apply to pressure vessels, piping, and tanks that are inservice.

The course includes an extensive set of notes to supplement the contents of the recommended practice, and the recommended practice contains numerous example problems that illustrate fitness-for-service assessment.

WHO SHOULD ATTEND?

This course is intended for engineers and engineering management engaged in the operation, design, analysis, and maintenance of plant facilities. Participants should have a Bachelor degree or equivalent experience in engineering. A general knowledge of stress analysis, materials behaviour, and fracture mechanics are helpful.

REGISTER YOUR INTEREST

QUESTIONS?

For further details, contact: Danielle Pennington on 0493 024 505 or d.pennington@weldaustralia.com.au

QUALIFICATION & CERTIFICATION UPDATE

AN UPDATE ON AICIP QUALIFICATIONS

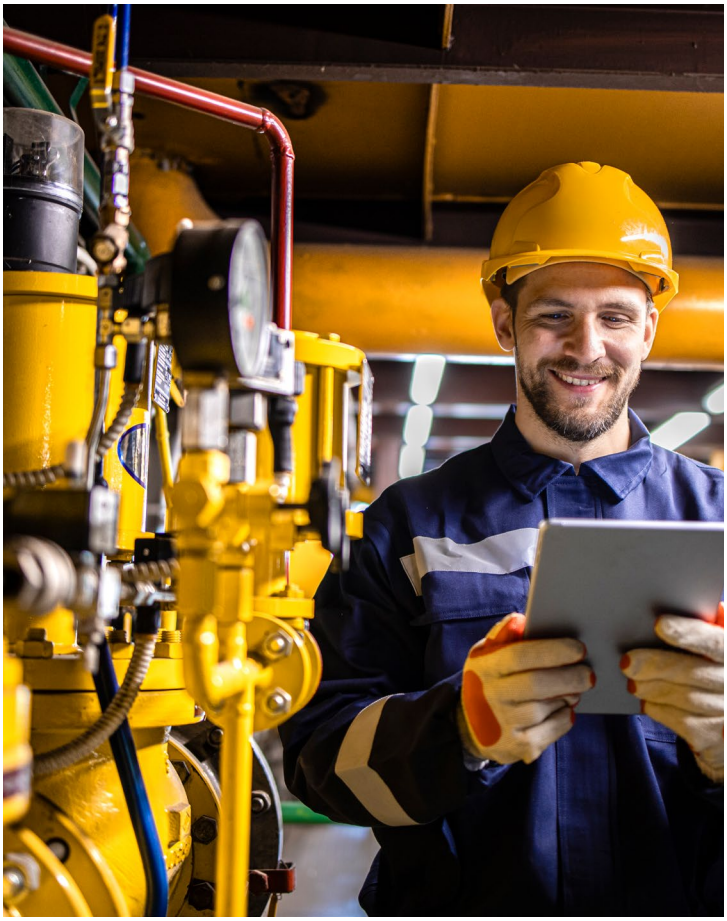
Weld Australia has taken over both the In-Service Inspector (ISI) and Senior In-Service Inspector (SISI) certifications and examinations previously performed by the Australian Institute for the Certification of Inspection Personnel (AICIP).

Weld Australia will contact all certified individuals with instructions on how to access and manage their certifications through the WeldQ platform.

Moving forward, the primary point of contact for any AICIP-related matters is Weld Australia. Please direct all future enquiries to the following email address: qnc@weldaustralia.com.au.

Recognised nationally, AICIP certification can expand your career options and job opportunities. Examinations assess the level of skill, knowledge and capability of professionals working in the pressure equipment sector to ensure the integrity and safety of plant and pressure equipment inspection.

For further information, visit: aicip.org.au



AICIP EXAM DATES		
Exam Papers	**National Locations**	**Dates**
Exam Enrolment Deadline	Nationally	28 April 2025
Exam Onboarding Deadline	Nationally	TBC
ISI Paper A & B – Theory	Online	5 to 9 May 2025
ISI Paper E – Practical	Online	5 to 9 May 2025
SISI Paper C & D - Theory	Online	5 to 9 May 2025

NEWLY QUALIFIED

Weld Australia would like to congratulate everyone who qualified in March.

IIW INTERNATIONAL WELDING ENGINEER (IWE)
- Mohit Verma

IIW INTERNATIONAL WELDING INSPECTOR – BASIC (IWI-B)
- Ashley Greenham
- Robert Beckett

IIW INTERNATIONAL WELDING INSPECTOR – STANDARD (IWI-S)
- Christopher O'Neill
- Mark Cuthel

AWCR EXAMINER
- Kerrod Laine

AS 2214
- Caleb Rozman
- Corey Woodall
- Daniel Goggin
- Liam Stratford
- Luke Ahipene
- Nicholas Nakone
- Russell Jones
- Timothy Taylor

AS 1796 CERTIFICATE 7
- Alex Payne
- Jayden Clark
- Josh Pope
- Michael Lewis
- Shovki Blom-Klychev

AS 1796 CERTIFICATE 8G
- Josh Pope
- Shovki Blom-Klychev

AS 1796 CERTIFICATE 10
- Corey Woodall
- Daniel Goggin
- Godwin Agbara
- Luke Ahipene
- Nicholas Nakone
- Russell Jones
- Wayne Horsfield

AS 1796 CERTIFICATE 11
- Clint Tyben
- Jackson Purcell
- Mark Cuthel
- Matthew Jackson
- Paul Singleton
- William Hodge

EXAM CALENDAR

WELD AUSTRALIA'S EXAM CALENDAR

Do you need to book an exam through WeldQ? We've made the process even easier, with our new exam calendar, which can be accessed via the WeldQ homepage. The calendar includes all exam dates for 2025, making planning ahead as simple as possible. Upcoming exam dates include:

- Wednesday 30 April: Re-sit/Online Exam (All Qualifications)
- Friday 2 May: IWE/T - EA1/TA1 Online Exam
- Wednesday 7 May: WTE-B/WTE-S Online Exam
- Friday 16 May: National Welding Supervisor Exam - Papers B1 & B2- Session 11
- Wednesday 28 May: Re-sit/Online Exam (All Qualifications)
- Wednesday 4 June: WTE-B/WTE-S Online Exam

FURTHER INFORMATION

For further information about exams and qualifications, simply email our team via: qnc@weldaustralia.com.au

TRAINING UPDATE

IWI-B TRAINING IN WOLLONGONG

Earlier this month, nine students undertook the practical component of their International Welding Inspector – Basic (IWI-B) training in Wollongong, followed by their final exams.

The atmosphere during the practical sessions was focused and collaborative, as participants honed their inspection techniques and applied their theoretical knowledge to real-world scenarios. The training is designed to give candidates the confidence, skills, and responsibility needed to support the highest levels of weld quality across industries.

The IWI-B qualification, backed by the International Institute of Welding (IIW), is more than a certification—it's a powerful career enabler. Recommended in both AS/NZS ISO 3834 and AS/NZS 1554.1, this course equips professionals with the technical expertise required to excel in welding inspection roles across a wide range of sectors.

Throughout the course, students build extensive knowledge in inspection theory and application, including:

- Mechanical and visual inspection techniques
- Inspection procedures and acceptance criteria
- Identification of weld imperfections during pre-production, fabrication and post-fabrication

IWI-B TRAINING FOR TMEC

Weld Australia recently delivered International Welding Inspector – Basic (IWI-B) training in Tasmania for TMEC (the Tasmanian Minerals, Manufacturing and Energy Council), with participants completing three days of theory followed by two days of practical training.

The course equips students with the skills and knowledge needed to ensure the highest standards of weld quality—covering everything from inspection theory to hands-on techniques.

The Tasmanian Minerals, Manufacturing and Energy Council represents member businesses involved in the state's exploration, mining and mineral processing, manufacturing and energy sectors, along with companies and individuals in associated supply chains.

WELDING INSPECTION SKILLS ON DISPLAY

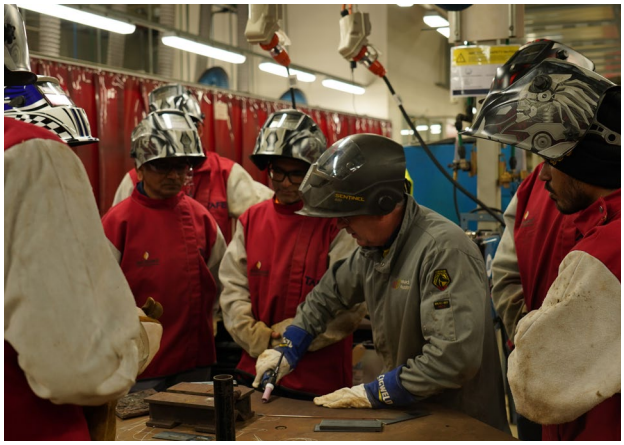
Earlier this month, Weld Australia facilitated a successful round of International Welding Inspector – Standard (IWI-S) practical training in Wollongong.

Over two intensive days, participants deepened their knowledge of welding inspection standards, including AS/NZS ISO 9606 and BS EN ISO 15614-1, while applying inspection theory in a hands-on setting.

Welding inspectors play a vital role in safeguarding the quality and integrity of welded structures. The IWI-S qualification supports this critical responsibility by delivering in-depth training on inspection procedures, quality assurance, and the identification and analysis of weld imperfections. The course content reflects international best practice and includes six comprehensive modules:

- General introduction to welding inspection
- Mechanical testing on welded joints
- Weld imperfections
- Testing methods
- Quality assurance
- Management of inspection function

Through a blend of theoretical exploration and practical application, participants were equipped with the tools needed to lead with confidence in inspection roles—ensuring weld quality meets the highest standards across fabrication and manufacturing environments.



IWE PRACTICAL TRAINING IN WOLLONGONG

Weld Australia recently delivered the face-to-face practical component of the International Welding Engineer (IWE) course at TAFE NSW's Wollongong campus, facilitated by Joe Sandor, Principal Welding Technology Trainer.

Over the course of five days, participants gained hands-on experience to complement their in-depth theoretical knowledge—an essential part of the IWE qualification, which is increasingly recognised as a critical credential in Australia's welding and fabrication industries.

With Australian Standards placing growing emphasis on the role of qualified Welding Engineers, the IWE certification, backed by the International Institute of Welding (IIW), is set to become an essential qualification for professionals in the sector. The course is strongly supported by major industry groups and hundreds of leading Australian companies, reinforcing its status as a job-ready, career-defining program.

The IWE qualification provides comprehensive knowledge in areas such as:

- Welding processes and equipment
- Materials and their behaviour during welding
- Construction and design principles
- Fabrication practices and engineering applications

KICK-START YOUR WELDING CAREER

ENROL IN A WELD AUSTRALIA TRAINING COURSE NOW

IIW INTERNATIONAL WELDING INSPECTOR BASIC (IWI-B)

Starts 7 May 2025
The IWI-B course is a globally recognised International Institute of Welding (IIW) qualification. You will gain comprehensive knowledge in non-destructive testing, mechanical and visual inspection techniques, Inspection procedures and acceptance criteria and identification of weld imperfections.

ENROL NOW

IIW INTERNATIONAL WELDING INSPECTOR STANDARD (IWI-S)

Starts 7 May 2025
This course provides advanced knowledge of welding and inspection theory and application, including NDT, mechanical and visual inspection techniques, inspection procedures and acceptance criteria, identification of weld imperfections associated with pre-production, fabrication, and post fabrication.

ENROL NOW

IIW INTERNATIONAL WELDING TECHNOLOGIST (IWT)

Starts 8 May 2025
This course provides you with a detailed understanding of welding technology. You'll be able to comprehensively manage and perform, supervise, oversee all company welding and welding-related activities, and have overall responsibility for coordination of all welding activities.

ENROL NOW

IIW INTERNATIONAL WELDING SPECIALIST (IWS)

Starts 20 May 2025
You will gain comprehensive knowledge in welding processes and equipment, materials and their behaviour during welding, construction and design, and fabrication and application engineering. The IWS is an online course run over 5 x 5 week blocks, with a mixture of live and recorded.

ENROL NOW

FACE-TO-FACE WELDING SUPERVISOR IN MACKAY

Starts 2 June 2025
A Welding Supervisor qualification expands your career horizons enormously. Welding Supervisors play a vital role in industry—they understand the factors that influence welding quality, how to oversee welders effectively, and the variables that help maximise welding productivity.

ENROL NOW

FACE-TO-FACE IWI-B IN SINGLETON

Starts 14 July 2025
The IWI-B course is a globally recognised International Institute of Welding (IIW) qualification. You will gain comprehensive knowledge in non-destructive testing, mechanical and visual inspection techniques, Inspection procedures and acceptance criteria and identification of weld imperfections.

ENROL NOW

Need help? Contact our Training team via training@weldaustralia.com.au

Weld Australia

IN-HOUSE TRAINING

Considered in-house training for your team? It's convenient, tailored, cost-effective and collaborative.

TAKE YOUR BUSINESS TO THE NEXT LEVEL

Weld Australia currently has a few—very rare—one-week blocks available in March, May and July. All our in-house training courses need a minimum of 10 students.

OUR MOST POPULAR IN-HOUSE COURSES

IIW International Welding Inspector - Basic (IWI-B)

This internationally recognised course provides extensive knowledge surrounding welding, inspection theory and application.

Welding Fundamentals

This course covers significant issues that may arise with welded components, welding processes, weld defects and testing, and welder qualification.

Welding Supervisor - AS 2214 and AS 1796 Cert 10

Our course covers welding processes, terminology and technology; welding metallurgy; weld testing and inspection; standards and specifications; and more.

For information, or to book your in-house course, contact us via 1800 189 900 or training@weldaustralia.com.au

weldaustralia.com.au

OVERCOMING WORKFORCE AND EFFICIENCY CHALLENGES AT WPF (FORMERLY WILSON'S PIPE FABRICATION)

WPF, a company based in Western Australia with operations nationally, is a leader in multi-discipline engineering services for the Australian energy sector.

Renowned for handling diverse materials, from carbon steel to exotic alloys like duplex and copper nickel, WPF serves some of the most demanding energy producers in the world. Their commitment to quality, with stringent internal acceptance criteria, often exceeding code requirements, sets them apart.

Fabricating across multiple workshops in Western Australia and the Northern Territory, WPF ensures material segregation and process integrity while delivering exceptional results.

Operational Challenges
The tight labour market in Australia presented a significant challenge for WPF. Skilled coded welders capable of adapting to various conditions and fit-ups were scarce, making it difficult to maintain production efficiency and quality.

Furthermore, the high cost and disruption caused by weld repairs, estimated to be similar to North America's average of $1,000 per weld, added pressure to maintain repair rates below 1%.

WPF's reliance on traditional welding methods also introduced inefficiencies. While their manual processes were effective, scaling production without compromising quality or safety proved challenging. The need for a solution that could increase productivity while preserving their reputation for exceptional quality became a priority.

The Solution: Novarc's Spool Welding Robot (SWR™)
After evaluating semi-automated options, WPF turned to Novarc's Spool Welding Robot (SWR™). Unlike other solutions, the SWR stood out as a purpose-built robotic system for pipe welding. Its ability to automate root, fill, and cap passes, combined with advanced seam tracking and rotator communication, offered a comprehensive solution tailored to WPF's needs.

Implementing Novarc's SWR™
The decision to invest in the SWR™ was driven by its compact design, high-quality welds, and ability to alleviate reliance on highly skilled welders. WPF's setup included four positioners, enabling a production-line approach where multiple team members could work simultaneously. This configuration optimised material handling and welding processes, enhancing efficiency.

The learning curve for WPF's operators was well-supported by Novarc's team. The SWR™ also proved

instrumental in extending the careers of older welders by reducing the physical strain and enabling them to continue contributing to high-quality work.

Quantifiable Outcomes

Productivity Gains
Geometry dependent, WPF reported a 40% to 60% reduction in weld time across initial projects, significantly accelerating project timelines and enabling the company to confidently take on larger, more complex jobs.

Quality Assurance
With the SWR™'s automated passes and advanced seam tracking, WPF achieved repair rates consistently below 1%. This precision reduced costly rework and optimised quality assurance efforts.

During initial stages, when completing qualifications, WPF exceeded industry standards by identifying, then testing welds at their weakest points, fine tuning the employed methodology and parameters, and enabling consistent mechanical properties to be achieved. This exceeded ASME requirements and has set a new benchmark for quality in the industry.

Strategic Benefits
The introduction of the SWR™ has strengthened WPF's position as a market leader in welding automation in Australia. The robot's performance has allowed the company to bid more competitively while maintaining margins.

A Partnership Built on Trust
Throughout the process, Novarc's team provided exceptional support, from commissioning to troubleshooting, ensuring WPF maximised the SWR's potential. Mitch Wilson (General Manager, WPF) shared, "The support from Novarc has been absolutely fantastic. The relationship we have with their team is solid from the top down."

The Future of Pipe Fabrication
WPF's investment in Novarc's Spool Welding Robot highlights how adopting advanced technology can overcome labor shortages, improve productivity, and uphold the highest quality standards. By combining innovative robotics with thoughtful operational strategies, WPF is setting new standards for efficiency and innovation in pipe fabrication.

As Mitch Wilson said, "The SWR™ has positioned us to be market leaders here in Western Australia, and even Australia. We're excited to get the most out of our unit in 2025."

This article was supplied by Novarc.

Weld Australia

EXPAND YOUR AUDIENCE.
GROW YOUR BUSINESS.

ADVERTISE WITH US

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on m.tagliapietra@weldaustralia.com.au