

# WELD CONNECT

JULY 2025

## NATIONAL MANUFACTURING SUMMIT 2025

MANUFACTURING AUSTRALIA'S FUTURE  
LOCAL STRENGTH, GLOBAL IMPACT

WEDNESDAY 23 & THURSDAY 24 JULY | SHANGRI-LA SYDNEY

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Australia**

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# A MESSAGE FROM OUR CEO

GEOFF CRITTENDEN



## SHOW UP, SPEAK OUT, SHAPE THE FUTURE

Australia's manufacturing industry is on the cusp of transformation. But only if we choose to act. This year's National Manufacturing Summit, taking place on 23 and 24 July at the Shangri-La Sydney, is more than just a gathering of industry minds.

It is a critical moment. A chance to stand together, be heard, and demand the structural change we need to secure the future of Australian manufacturing.

Our theme this year, *Manufacturing Australia's Future: Local Strength, Global Impact*, is no accident. We're facing a future that demands bold decisions, robust policy reform, and a united front from all corners of the industry.

From renewable energy and defence to critical minerals and infrastructure, Australia has a once-in-a-generation opportunity to build sovereign capability. But we can't do it with outdated procurement policies and unchecked imports.

At the Summit, you'll hear from global and local leaders who aren't just talking about change—they're making it. Speakers like Doug Luciani (President of the

Canadian Welding Bureau Group) and Jim Stanford (Industry Professor of Economics, McMaster University, Canada) will provide insights into international best practice.

Local experts like Richard Denniss (Executive Director, Australia Institute), Simon Terry (CEO, Dux Hot Water), John Titchen (Director, Goldwin) and Dr Jens Goennemann (Managing Director, AMGC) will take a local at local challenges and opportunities.

Political heavyweights like the Hon Tim Ayres, Federal Minister for Industry and Innovation, Minister for Science, and the Hon Anoulack Chanthivong, New South Wales Minister for Better Regulation and Fair Trading, Minister for Industry and Trade, Minister for Innovation, Science and Technology, Minister for Building, Minister for Corrections will be there to share insights and listen to yours. These are the people shaping policy and influencing government direction. This is your chance to speak to them directly.

## Why Weld Australia is Driving this Conversation

Weld Australia has long advocated for the implementation of standards and systems that would bring Australia in line with global best practice. One model we consistently point to is Canada's approach



**"It is a critical moment. A chance to stand together, be heard, and demand the structural change we need to secure the future of Australian manufacturing."**

to steel fabrication and welding certification, and for good reason.

In Canada, fabricated steel imports must comply with Canadian standards. Inspections are mandatory at the port of departure, and any steel that doesn't meet the required quality simply doesn't get a permit to enter the country. It's that simple. It doesn't eliminate competition, but it ensures a level playing field—one that protects quality, safety, and local jobs.

Canada also mandates licensing for welders. You can't weld unless you're certified and proven competent. This is the kind of system Australia needs.

All welding done in Australia should be completed by qualified professionals who are certified to ISO 9606 or AS/NZS 1554 and registered on the Australian Welder Certification Register (AWCR). These are not radical suggestions. They are practical, proven solutions that have been in place in Canada since 1945.

At this year's Summit, we will be making the case to government for the urgent adoption of similar systems in Australia. If we are serious about safety, quality and job creation, then enforcing compliance at the border and licensing welders is not negotiable.

#### **Future Made in Australia: A Real Opportunity**

There's been a lot of talk about the Federal

Government's Future Made in Australia initiative. At Weld Australia, we want to see those words backed by meaningful, measurable outcomes. That means:

- Procurement policies that give Australian businesses a fair shot.
- A local fabrication sector that thrives, not survives.
- Certainty of pipeline, so that small to medium fabricators across the country can plan, invest and grow.

Right now, we're looking at 12 mega-tonnes of steel that need to be fabricated for projects like renewable transmission infrastructure. This is not just about one or two companies. It's about developing a nationwide supply chain of capable, certified, and confident local fabricators.

We're already seeing international markets dumping steel into Australia at dangerously low prices, undercutting local manufacturers and threatening our economic sovereignty. After the first Trump-era tariffs were introduced, Chinese steel moved through Vietnam to avoid restrictions. Now, amid the current trade climate, that same steel is heading here. If we don't act, we will continue to lose ground.

At the Summit, we will outline the measures needed to protect our sector from unfair competition, starting with policy reform around procurement and quality assurance.

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## The Time for Complaining is Over

If you've ever found yourself frustrated by cheap imports, poor-quality steel, or inconsistent certification standards, the time to speak up is now. Not tomorrow. Not when it's too late. Now.

If you want change, you need to show up. Be visible. Be heard.

Don't sit on the sidelines and complain about the state of the industry. Come to the Summit and carry a placard if you must—but make your voice count. Talk directly to the policymakers and Ministers in the room. Tell them what you're seeing on the ground. Share your experience.

Because here's the truth: if you don't show up, nothing changes.

As the peak body for welding in Australia, we're doing everything we can to drive policy, support local businesses, and raise standards. But we need you: your experience, your passion, your voice. If the last few years have shown us anything, it's that relying on the status quo won't work. We must build something better, together.

I urge you, whether you're a business owner, a project manager, a welder, or a policymaker, to attend the 2025 National Manufacturing Summit on 23 and 24 July. Engage in the conversation. Be part of the movement that puts Australian manufacturing back on the map.

Let's build a future made in Australia.

[REGISTER NOW.](#)

*Geoff Crittenden*  
CEO, Weld Australia



**JUST IN**  
**BREAKING NEWS**

[Welder shortage threatens nation's nuclear submarine ambitions, published by Defence Connect](#)

[AUKUS: Welder shortage threatens submarine delivery, group says, published by Asia Pacific Defence Reporter](#)

[Welder shortage threatens submarine delivery, published by Whyalla News](#)

[Welder shortage threatens submarine delivery, published by The Transcontinental](#)

[Welder shortage threatens submarine delivery, published by The Recorder](#)

[Welder shortage threatens submarine delivery: Weld Australia, published by AuManufacturing](#)

[Unchecked imports are putting Australians at risk, published by Manufacturers' Monthly](#)

[The combined AS/NZS ISO 3834 + AS/NZS 5131 certification service, published by Manufacturers' Monthly](#)





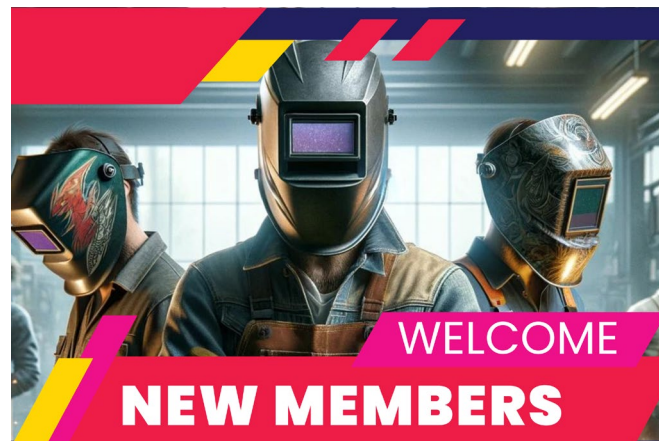


## WANT TO DISCOVER HOW WELD AUSTRALIA CAN SUPPORT YOU THROUGH MEMBERSHIP?

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](mailto: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.

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](mailto:membership@weldaustralia.com.au)



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

### CORPORATE MEMBERS

- Haulmark Trailers (Australia): [haulmark.com.au](http://haulmark.com.au)
- APS Power: [apspower.com.au](http://apspower.com.au)

### INDIVIDUAL MEMBERS

- Robert Rhone
- Jonathan Seligbon
- Neil Warhurst
- Minh Nguyen
- Ryan McMical
- Moses Ranganai Chenhamo





# Kemppi Art of Welding Competition 2025



## KEMPPI AUSTRALIA'S 2025 ART OF WELDING COMPETITION NOW OPEN

[Kemppi Australia](#) has officially opened entries for its 2025 Art of Welding Competition, a unique event celebrating creativity in metalwork.

Participants are invited to showcase their welding artistry through sculptures, patterned designs, motifs, or crafted objects. Entries can be created using traditional manual welding or advanced techniques such as robotics, lasers or friction welding.

Since commencing in 2020, the annual competition has gone from strength to strength. Now in its sixth year, the competition continues to attract a diverse mix of professional artists and enthusiastic amateurs. The competition provides dedicated professionals as well as passionate amateur enthusiasts with a platform on which to display and highlight their creativity.

"It's inspiring to see artistic talent thriving not only among seasoned metal artists but also welders,

apprentices, educators, and hobbyists," said Stuart Orr, Sales Director, Kemppi Australia.

As in previous years, the 2025 competition includes a dedicated amateur category. Entrants can win from a pool of four outstanding prizes which includes a specific prize for the amateur category. Winners will receive top-tier Kemppi welding gear, including helmets, apparel, gloves, and cutting-edge equipment.

Open to residents of Australia and New Zealand aged 18 and over, the competition runs until Tuesday 30 September. For entry details, visit Kemppi Australia on [Facebook](#), [Instagram](#), or [LinkedIn](#), or reach out via direct message on social media.

Alternatively, email [skettos@skettos.com.au](mailto:skettos@skettos.com.au) for a copy of the competition flyer.

**It's your last chance to register for the 2025 National Manufacturing Summit on 23 and 24 July at the Shangri-La Sydney. With the theme 'Manufacturing Australia's Future: Local Strength, Global Impact', the Summit comes at a critical time for Australian industry and will focus on bold, actionable steps to revitalise the nation's manufacturing sector.**

## INNOVATION. COLLABORATION. REAL IMPACT.

Australia's manufacturing industry is standing at a crossroads. Once a powerhouse that contributed 28% to the national GDP, it now accounts for just under 6%. That sharp decline is more than a statistic—it's a call to action.

The 2025 National Manufacturing Summit is where that action begins.

With the theme "Manufacturing Australia's Future: Local Strength, Global Impact", this year's Summit is set to tackle the critical challenges—and immense opportunities—facing Australian industry. From driving stronger local content mandates to building sovereign capability in key sectors like defence, renewables and infrastructure, the Summit is the forum where bold ideas and real policy reform converge.

Industry leaders, decision-makers, and innovators will come together in a unified push to reshape the future of Australian manufacturing. This is more than a conference. It's a platform for those committed to strengthening local supply chains, building a skilled workforce, and ensuring Australia remains competitive on the global stage.

If you care about the future of manufacturing in Australia, this is your moment.

Register now and be part of the conversation that could shape the next generation of Australian industry.

**WONDERING WHY TO ATTEND? WATCH THIS VIDEO FROM BEN MITCHELL**



## DISCOVER THE FULL PROGRAM NOW

The full program for the 2025 National Manufacturing Summit is now available, offering a powerhouse line-up of expert speakers and thought-provoking sessions that tackle the biggest issues facing Australia's manufacturing sector. With appearances from leading policymakers, economists, industry CEOs, and innovators, this year's agenda is designed to spark real change. From enforceable local content mandates to strategies for sovereign capability and future-ready skills, the program is packed with insights you won't want to miss.

Among the keynote speakers are the Hon Tim Ayres, Federal Assistant Minister for Future Made in Australia; Tim Buckley (Clean Investment Australia); David Shankey (Net Zero Economy Authority); Simon Terry (Dux Hot Water); and more.

**REGISTER NOW**

**VIEW THE PROGRAM**

## WITH THANKS TO OUR SPONSORS



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# NATIONAL MANUFACTURING SUMMIT 2025

**MANUFACTURING AUSTRALIA'S FUTURE**  
LOCAL STRENGTH, GLOBAL IMPACT  
23 & 24 JULY 2025 | SHANGRI-LA SYDNEY



## FUNDAMENTALS OF COBOTIC WELDING: A FREE MICROCREDENTIAL

Weld Australia, with support from the Australian Cobotics Centre, BOC, and Diverseco, is launching a free microcredential: Fundamentals of Cobotic Welding. This program is proudly funded and supported by the Queensland Government.

This course will equip Australian fabricators with the skills to integrate automation and maintain global competitiveness in mining, structural fabrication, defence, rail, pressure, and pipeline industries. This microcredential is ideal for:

- TAFE apprentices and entry-level welders expanding their skill set
- Tradespeople and manufacturers exploring cobot welding
- Industry professionals and educators looking to upskill

What you'll learn:

- Fundamentals of cobot welding and industry applications
- Preparing workplaces for cobot welding (safety, setup, skills)
- Business case for cobot adoption and long-term workforce impact
- If you're an individual looking to upskill or an organisation keen to train your team, please register now.



If you would like any further information, please contact Dr Cornelis Van Niekerk, Manager of Advanced Manufacturing, Weld Australia on [c.vanniekerk@weldaustralia.com.au](mailto:c.vanniekerk@weldaustralia.com.au)

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# 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](#)
- [VET in Schools Student 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



## WITH THANKS TO OUR STATE AWARDS SPONSORS



## 2025 VICTORIA CAREER PATH NIGHT

Weld Australia, Chisholm Institute, and SEMMA recently hosted a session designed to showcase the wide-ranging career opportunities available in the welding and fabrication industry.

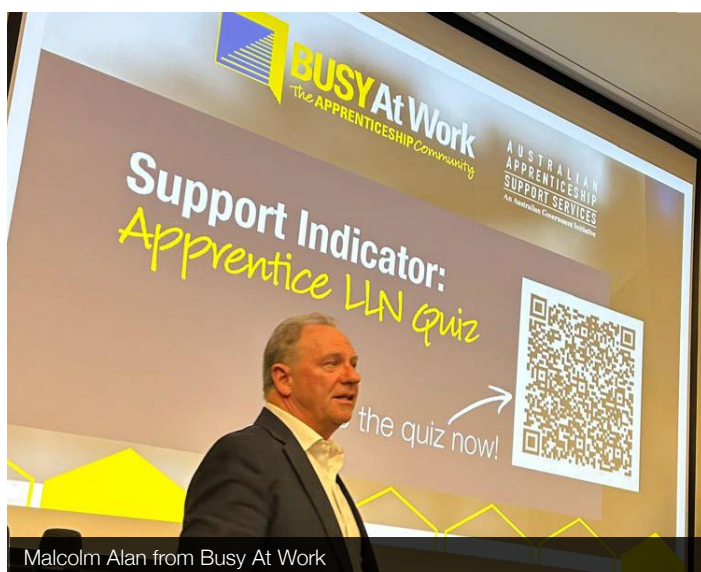
Attendees had the opportunity to learn about the diverse roles that welding can lead to, from inspection and supervision to robotics, engineering, and beyond.

The free event was designed to help school leavers, apprentices, and tradespeople explore what's possible. Attendees had the opportunity to:

- Discover different career paths
- Learn about training and upskilling options
- Hear real stories from people working in the industry
- Ask questions and get real answers

This year's speakers included:

- Mathew Billman from Uneek, gave an overview of welding pathways and career options
- Ana Gameo, a Boilermaker at Bucher Municipal, spoke about women in welding
- Paul Trigg from Evident Scientific provided an introduction to mechanical testing and Non-Destructive Testing (NDT)
- Mathew Baker from Chisholm Institute provided an overview of the courses, programs, certifications, and qualifications available in welding and engineering
- Jayde Thomas and Malcolm Alan from Busy At Work spoke about apprenticeships, employment, and training solutions
- Malcolm Rigby from SEMMA gave a presentation focused on the welder shortage, modern manufacturing, identifying business opportunities, and supporting industry growth
- Gokhan Sacli from Weld Australia spoke about the industry at large





## SOUTH AUSTRALIA INDUSTRY DRINKS

Held in late June at the Royal South Australian Yacht Squadron at North Haven, the South Australia Industry Drinks Night was a fantastic event. It offered plenty of opportunities for networking and making new connections.

Attendees heard from Ben Mitchell (Director of Strategic Partnerships, Weld Australia) who provided an industry update, as well as insights into Weld Australia's activities, and exciting plans for the rest of the year. Simon Doe (Director of Engineering) also gave an overview of Weld Australia's engineering team.

Weld Australia would like to thank [W.E.S.S.](#) for supporting this event. It is the generous support of sponsors that makes events like this possible. Attendees had the opportunity to hear directly from David Wilton, the Managing Director of W.E.S.S.

The event proved to be a wonderful opportunity to reconnect with familiar faces and strengthen professional relationships. With a relaxed and welcoming atmosphere, it was the perfect setting for catching up with industry colleagues, sharing ideas, and celebrating the strong sense of community within South Australia's welding and manufacturing sector.



Ben Mitchell provides an industry update



David Wilton, Managing Director of W.E.S.S.



Simon Doe provides an update

## WELD AUSTRALIA NAMED A FINALIST IN 2025 SKILL HIRE AND NEXTGEN SKILLS CONSTRUCTION INDUSTRY TRAINING AWARDS

Weld Australia is excited to announce that we have been named a finalist in the 2025 [Skill Hire](#) and NextGen Skills [Construction Industry Training Awards](#) in the Collaboration Award category.

The Awards honour and celebrate outstanding achievements in construction training and employment across Western Australia.

Skill Hire is a not-for-profit organisation providing support, training and employment to individuals and businesses seeking sustainable workforce solutions. The ceremony is on Friday 8 August 2025.





# INDUSTRY

## NEWS



### \$20 MILLION GRANTS TO HELP SOUTH AUSTRALIA MANUFACTURERS IN REDUCING ENERGY COSTS

A new \$20 million round of grants will be open later this month to help South Australian businesses to reduce their energy costs.

The manufacturing industry is one of the three key focus industries for the grant along with retail and hospitality and accommodation. Businesses can apply for up to \$75,000 of support for purchasing energy equipment such as solar panels and batteries, to help them save on power bills.

“We are about to open another round of our popular powering business grants designed to help businesses reduce their power bills,” said Minister of Small and Family Business, Consumer and Business Affairs and Arts, Andrea Michaels. “For the first time, we are extending these grants to medium-sized businesses.”

Applications will be open for eligible businesses and not-for-profits with up to 199 employees. The government will assist those businesses in purchasing the equipment. In the previous round, over 1,000 business across South Australia received a share of \$23.6 million in grants, where the improvements are expected to cut down power bills by approximately \$24 million a year.

### TRAIN MANUFACTURING PROGRAM TO BOOST JOBS IN QUEENSLAND

The Queensland Train Manufacturing Program (QTMP) is being revitalised by the State Government, with a major recruitment drive offering around 300 new jobs, including 200 trade and 100 professional roles.

Expressions of interest are now open via Downer’s website, as part of the staged workforce mobilisation plan for the Torbanlea train manufacturing facility, located in the Fraser Coast region.

Full workforce mobilisation is expected throughout 2026 as manufacturing ramps up.

The QTMP is set to see 65 new six-car passenger trains constructed at the purpose-built facility.

The first trains are expected to enter passenger service in 2027, with the remainder to be completed by 2032, in time for the Brisbane Olympic and Paralympic Games.

The initiative forms part of the 2025–2026 state budget, which commits \$4.8 billion to secure the future of the program and protect local manufacturing jobs in Maryborough.





## COREGAS COMPLETES ACQUISITION BY NIPPON SANSO AND ANNOUNCES FUTURE STRATEGY

Coregas recently announced the successful completion of its acquisition by Nippon Sanso Holdings Corporation ("Nippon Sanso"). With this milestone, Coregas is now officially part of the Nippon Sanso organisation, marking a new chapter in their journey.

As Coregas moves forward, the company will continue towards its vision of *Changing Gases, Changing Lives* by helping its customers achieve amazing things. Key focus areas for the new organisation will be:

- **Market Penetration and Growth Momentum:** Coregas aims to expand its presence in existing markets and explore new opportunities to drive growth. Their goal is to continue building on their strong national footprint and market-leading position in industrial, medical and specialty gases.
- **Operational Efficiencies:** Coregas will leverage synergies with its sister company Supagas to enhance their operational capabilities. This includes optimising processes, reducing costs, and improving overall efficiency to better serve customers.
- **Digitisation and Service Enhancements:** Coregas is dedicated to delivering exceptional service to its customers. The company will focus on enhancing its service offerings through access to Nippon Sanso's world class technology and innovation, ensuring they meet and exceed customer expectations.

### New Beginnings

Innovation is at the heart of Coregas' strategy. By integrating Nippon Sanso's world-class technology and deep technical capabilities, Coregas will continue to lead in the design and build of Air Separation Units (ASU) and other cryogenic equipment.

The combination of Nippon Sanso, Supagas, and Coregas will create significant value for customers in the Australian and New Zealand markets. The Coregas business will remain and operate independently from Supagas as they have complementary strengths and focus on different customer segments with limited overlap in the product mix. Over time, the combination of Nippon Sanso, Supagas, and Coregas will create greater value for customers and support further growth.

"We recognise and deeply value the dedication and hard work of the Coregas team, and we are committed to ensuring a smooth transition while continuing to support our team members throughout this exciting new chapter with Nippon Sanso." said Alan Watkins, Managing Director Coregas.

Nippon Sanso's expansion in the region highlights its continued commitment to the Australian and New Zealand markets, aiming to invest and grow gas solutions for industrial, community, and healthcare needs.

## CHISHOLM EDUCATION AWARDS WINNERS INSPIRE EXCELLENCE

The 11th Chisholm Education Awards celebrated exceptional students and educators in July, with winners and finalists displaying outstanding commitment to educational excellence. The annual event highlights the achievement and determination of Chisholm's diverse student cohort and dedication of Chisholm's educators, who deliver innovative teaching practices to empower learners.

Chisholm Chief Executive Officer, Stephen Varty, said this year's Awards continue to inspire excellence across Chisholm.

"Those recognised should be proud of their exceptional achievements. The finalists and winners have demonstrated outstanding commitment to education, setting them apart from Chisholm's community of over 33. We are excited to see what they go on to achieve as great employees, business owners, mentors, and community members who will make a difference in the community. This is a testament to the power of education and its role in enriching lives."

The winners of the 2025 Chisholm Education Awards:

- Apprentice of the Year Winner: Perin Breakell
- Educator of the Year Winner: Nelly Mohibi
- Higher Education Student of the Year Winners: Umanda Fernando, Rose Deng and Annie Holborow
- Secondary School Student of the Year: Charlie Marsh
- Trainee of the Year Winner: Danelle Hendy
- Vocational Student of the Year Winner: Michelle Andrews
- Bill Norling Outstanding Automotive Apprentice Award Winner: Kalilou Kamara

A range of community and industry partners were also acknowledged for their ongoing collaboration with Chisholm, including Weld Australia.



# UPCOMING EVENTS

Need help or  
further details? Contact  
[events@weldaustralia.com.au](mailto:events@weldaustralia.com.au)

## WELDING FUME MITIGATION AND CONTROL - NSW

31 July 2025 | 6:00pm to 9:00pm AEST  
TAFE NSW Wetherill Park

This event will enable business owners, managers, welders, trainers, and members to engage with cutting-edge solutions like on-gun fume extraction systems, hooded capture extraction, welding helmets with powered air-purifying respirators, portable fume extractors, and optimised shielding gases.

Dr Cornelius Van Niekerk from Weld Australia will present on welding fume mitigation and control, including recent changes to the workplace exposure standard for welding fumes, which has been reduced from an 8-hour time-weighted average (TWA) of 5 mg/m<sup>3</sup> to 1 mg/m<sup>3</sup>.

Exhibitions and product demonstrations by Apex Welding Safety (AWS), South Pacific Welding (SPW/BOC), SMENCO, Kemppi, Welding Industries Australia (WIA) and Fantech.

REGISTER NOW

## WELDING FUME MITIGATION AND CONTROL - VICTORIA

7 October 2025 | 5:30pm to 7:30pm AEST  
Chisholm TAFE Dandenong

Join us for an informative evening focused on Fume Control and Minimising Exposure to Welding Fumes. The event will begin with a brief introduction and discussion on current best practices, followed by live demonstrations from leading equipment manufacturers showcasing the latest advancements in fume control technology.

This event is designed to educate attendees on new and emerging technologies that support welders and fabricators in effectively reducing welding fumes and minimising personal exposure.

Attendees will gain practical insights into how modern equipment can enhance workplace safety and ensure compliance with updated exposure regulations. This event is open to both members and non-members of Weld Australia.

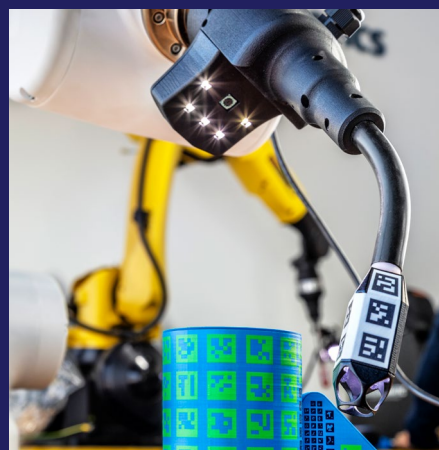
REGISTER NOW

## ADVANCED WELDING & AUTOMATION ROADSHOW: STUDENT EXPERIENCE & TEACHER PROFESSIONAL DEVELOPMENT Gold Coast | 22 to 29 July

Ignite a passion for Advanced Manufacturing in your students. Spark your students' interest in advanced trades and future focused careers.

This July, Weld Australia and Queensland Government are joining forces for:

- 1. Teacher Personal Development Day:** Designed specifically for teachers in the Gold Coast who want to stay ahead of the curve in STEM, trades and technology.
- 2. Student Engagement Days:** Bringing an interactive welding and automation tech day to high schools across the Gold Coast. Students will have the opportunity try augmented reality welding and cobots.



REGISTER NOW



# THREE DAY COURSE

# ASME

# SECTION IX

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

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.



**BRISBANE**

**7 TO 9 OCTOBER 2025**

## 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. Cancellation 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



## QUESTIONS?

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



## INVESTING IN OUR PEOPLE: BEN MITCHELL RETURNS FROM HARVARD BUSINESS SCHOOL

Weld Australia's Director of Strategic Partnerships, Ben Mitchell, recently returned from an intensive executive education program at Harvard Business School.

Selected to attend *Strategy: Building and Sustaining Competitive Advantage*, Ben spent a week immersed in world-leading case studies, complex strategic thinking, and collaborative discussion with senior leaders from across the globe.

Supported by the Industry Leaders Fund and championed by Weld Australia, Ben described the experience as one of the most transformative of his professional life.

"The learning was rich — but the relationships, even richer," said Ben. "Being part of a cohort so generous with their experience and ideas left a lasting impression. I return home inspired, challenged, and more committed than ever to shaping the future of Australian industry with clarity, purpose, and collaboration."

Weld Australia is proud to support the ongoing growth of its people—because when we invest in our team, we're investing in the future of Australia's welding industry.



Ben Mitchell at Harvard Business School.

## EXPLORING COLLABORATION: WELD AUSTRALIA VISITS RMIT UNIVERSITY'S ADVANCED MANUFACTURING PRECINCT

Weld Australia's Ben Mitchell (Director, Strategic Partnerships) and Nigel Jarvis (Project Manager, Learning Resources) recently visited RMIT University's world-class Advanced Manufacturing Precinct to explore opportunities for collaboration across education, training, and workforce development.

The visit focused on identifying synergies between industry and education, particularly in the rapidly evolving EduTech space. With RMIT's strong focus on Industry 4.0 and partnerships with global innovators like Siemens and Festo Didactic, the precinct is at the forefront of combining digital design, advanced manufacturing, and automation.

Housing some of the most advanced manufacturing technologies available, the Advanced Manufacturing Precinct brings design and engineering together, from digital design to digital manufacturing. It has a particular focus on 3D printing of advanced high value add products and components.

From high-speed multi-axis machining to 3D printing and digital innovation, the visit offered valuable insights into how collective expertise can be harnessed to future-proof Australia's manufacturing workforce.

Weld Australia is excited about the potential for future collaboration to support cutting-edge training and skills development for the next generation of Australian trades and technicians.





## ADVANCING AUSTRALIAN MANUFACTURING: WELD AUSTRALIA VISITS EWI

As part of its commitment to strengthening Australia's advanced manufacturing capabilities, Weld Australia's Ben Mitchell (Director of Strategic Partnerships) recently visited [EWI](#)—one of the world's foremost not-for-profit engineering and technology organisations in welding and advanced manufacturing.

EWI (formerly known as the Edison Welding Institute) is a global leader in applied research and technology development. With a multidisciplinary team of over 150 engineers and industry experts, EWI supports innovation across sectors such as aerospace, defence, automotive, energy and more.

During his visit, Ben toured EWI's state-of-the-art facilities and met with leaders from across the organisation to discuss shared challenges and opportunities for collaboration.

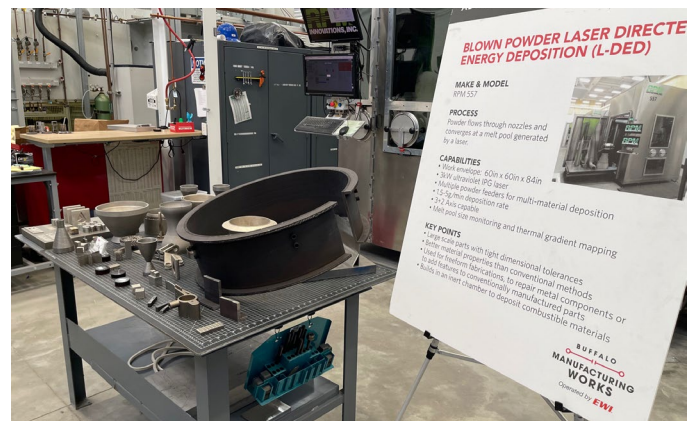
A key focus of the visit was EWI's acclaimed Shift Program, a no-cost initiative helping small to medium-sized manufacturers adopt innovative technologies. The program focuses on helping manufacturers overcome barriers to technology adoption and improve their production capabilities.

From AI and cobotics to smart training and automation, the Shift Program includes:

- Innovation Scorecard: An initial assessment to identify areas for improvement.
- Workshops: Tailored workshops to build the necessary skills for innovation.
- On-site Reviews: Specialized engineers provide on-site evaluations.
- One-on-one Consulting: Expert guidance to develop and implement innovation plans.

The visit marks another step forward in Weld Australia's strategic partnership with EWI and the Canadian Welding Bureau (CWB), with the goal of bringing world-class research, automation, and advanced training to Australian shores. By tapping into EWI's proven models and cutting-edge expertise, Weld Australia is working to ensure local manufacturers can harness the full potential of Industry 4.0.

Weld Australia is excited about the opportunities this collaboration presents, not only to advance training and capability across the Australian welding sector, but to help future-proof our industry with bold, innovative solutions.



# UNCOVERING BRITTLE BEHAVIOUR IN CARBON STEEL PIPE

By Mathew Lee, Senior Welding Technologist, Weld Australia

During the qualification testing of a welding procedure for a carbon steel pipe, a fitting that was expected to pass Charpy V-Notch impact testing at -20°C failed to meet the specified requirements. Impact energy values recorded were below 10 Joules, which was significantly lower than the expected performance.

Follow-up testing at 0°C also failed to meet impact criteria, although all other mechanical tests and chemical composition reviews were compliant with both the material and welding procedure specifications.

As the failure mode was brittle, this can lead to unreliable material behaviour during hydrostatic testing and in-service where combined with a crack-like defect, a high applied or residual stress, resulting in a sudden and potentially catastrophic failure at temperature above the specified design temperature.

Further reviews of the construction standard ASME B31.3 Table A-1M, listed the fitting's material at the thickness tested to Curve B, which allows use down to -29°C without mandatory impact testing. Despite this, the material still demonstrated brittle behaviour.

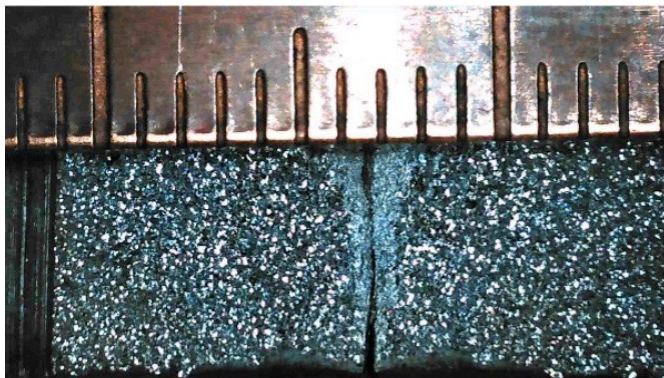


Figure 1: Charpy impact surface. (Image by author)

Further investigations of available literature in relation to similar issues provided more information where this issue has been raised in other countries in relation to the same and other materials that meet the Curve B requirements, failing during mechanical testing and hydrostatic testing of pressure pipes and fittings. Reported hydrostatic testing failures of these materials is has been in test temperatures  $\geq 10^{\circ}\text{C}$ .

These failures have been linked to a broader issue within modern steel manufacturing processes, where materials manufacturers are reducing manganese-to-carbon (Mn-C) ratios as a cost-saving measure.

These changes have little to no effect on the weldability of the materials when kept within the limits for the material specifications, therefore any issues may not be picked up within the welding procedure qualification due to the exemptions to impact testing. However, the lowering of the Mn-C ratio negatively impacts low-temperature toughness. With a lower Mn-C ration raising the ductile-to-brittle transition temperature.

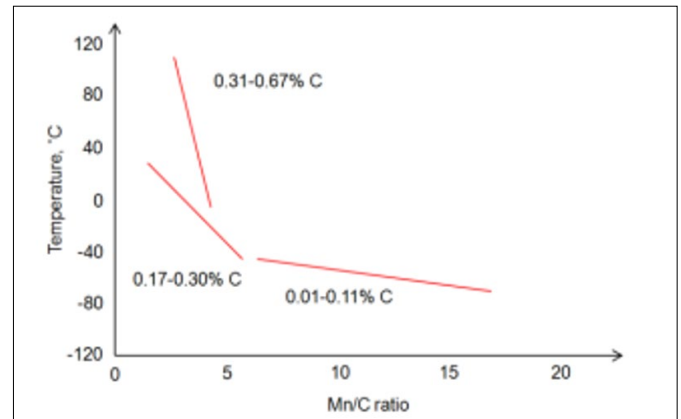


Figure 2: Mn-C ratio to transition temperature of ferritic steels (Davis, 2001)

Literature indicates:

- A 0.1% decrease in Mn raises the transition temperature by  $\sim 5.5^{\circ}\text{C}$ .
- A 0.1% increase in carbon can raise the 20J transition temperature by  $\sim 14^{\circ}\text{C}$ .
- With the rise in the ductile to brittle transition temperature the risk for brittle failure increases.

It is noted in the literature, that for carbon steels to have a fracture toughness of 27 Joules at -29°C, a Mn-C ratio of 5 or higher would be required.

There were also recommendations that when carbon steels are to be used at these temperatures to -29°C, that the steel making process produces a fine grain practice ideally to ASTM E112 Size 7 or finer.

Weld Australia recommends that both end users, designers, and manufacturers adopt a more rigorous review of carbon steel material properties, especially where design temperatures are below  $0^{\circ}\text{C}$ , to prevent risk brittle failures during service or hydrostatic testing. As well as:

- The use of alternate materials with higher testing requirements may be needed
- The use of supplementary testing requirements for material procurement for a Mn-C ratio  $> 5$  and a fine steel making process where practical





Figure 3: Brittle failure during hydrostatic testing (Google images)

From a manufacturer's perspective, consideration should be given to:

- Ensuring material procurement requirements are met.
- Documentation review of material COC and compliance reviews are met, ensuring the Mn-C ratio > 5
- Training for personnel to understand the review requirements of COC for materials.
- Testing and validation of materials and procedures as needed.

STANDARD

:ASTM A106-94A GR.B

SPECIFICATION

:

MILL WORK NO.

O.D.:114.3mm

W.T.:6.0mm

LENGTH:12m

QUANTITY

HEAT NO.

PRODUCTS PCS.

MANUFACTURED PCS.

250

250

HEAT TREATMENT:AS ROLLED

CHEMICAL COMPOSITION(s)

	#1	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	V	W
SPEC. MIN.	L	-	10	29	0.02	0.02	-	-	-	-	-	-
MAX.	L	23	-	106	35	35	40	40	40	15	8	100
HEAT NO.												
	L	19	20	55	20	15	1	8	2	2	0	13

Mn-C=2.89

Figure 4: Example COC, 106 material

## INNOVATIVE, EXPERT ENGINEERING AND 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.

For further details, [visit our website](http://www.weldaustralia.com.au) or contact [engineering@weldaustralia.com.au](mailto:engineering@weldaustralia.com.au)

## 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

# 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@weldaustalia.com.au](mailto:engineering@weldaustalia.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.



# QUALIFICATION & CERTIFICATION

## UPDATE



### UPCOMING ISI AND SISI EXAMS

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The next intake of ISI and SISI examinations have been scheduled for the week commencing 20 October 2025, with assessments to take place on 20, 22, and 24 of October.

The application period will open on 8 September 2025 and will close on 15 September 2025.

Detailed information regarding paper allocations and examination times will be communicated in due course, following the receipt and processing of applications.

Instructions on renewal applications will also be provided in the coming weeks.

[For further details, visit our website.](#)

### RE-SIT AND DEFERRED CANDIDATES

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The forthcoming AICIP examination has been scheduled for 30 July. Please be advised that this examination is exclusively intended for candidates who either did not pass their 2024 examinations conducted by AINDT or who postponed their examinations from the previous year.

Detailed information regarding paper allocations and examination times will be communicated in due course, following the receipt and processing of applications.

Should you have any questions or require additional information, please do not hesitate to contact us at [aicip@weldaustralia.com.au](mailto:aicip@weldaustralia.com.au)







## AUSTRALIAN FABRICATORS CONTINUE TO LEAD WITH WORLD-CLASS WELDING CERTIFICATIONS

As the demand for safe, high-quality infrastructure intensifies, Australian fabricators are continuing to demonstrate their commitment to best practice welding and global compliance. Through rigorous certification and surveillance audits, these businesses are not just meeting standards, they're setting them.

Weld Australia has recently completed a new round of audits with fabricators from across the country. From rail manufacturing to structural steel, each audit reflects the sector's unwavering focus on quality, safety, and continuous improvement.

Whether achieving certification for the first time or maintaining compliance through surveillance and re-certification, the companies below are leading the way in upholding the standards that ensure the integrity of Australia's built environment.

### JC Butko: AS/NZS ISO 3834.2 Surveillance and AS/NZS 5131 CC3 Certification

Operating out of Wodonga, Victoria, [JC Butko](#) is a trusted provider of heavy and structural steel fabrication solutions for defence, infrastructure, and commercial construction. Established in the mid-1970s, their main facility has a workshop area of 4,000m<sup>2</sup> (on 3 hectares). With an 18m high factory with 15m under hook 20 tonne plus capacity cranes and two rotary tables, this enables them to fabricate large tanks, silos and structures at a competitive price. Their recent audit marks continued compliance with AS/NZS ISO 3834.2 and a new achievement with certification to AS/NZS 5131 Construction Category 3, affirming their capability to deliver complex, safety-critical projects.

### TWK Steel: AS/NZS ISO 3834.2 Surveillance and EN 15085 CL1 & DIN 2303 Q2 BK1 Certifications

[TWK Steel](#) has earned a strong reputation for precision fabrication in large scale civil and infrastructure projects. With a capacity of over 10,000 ton of fabricated steel a year, TWK Steel has been designing, manufacturing and delivering clients bespoke steel solutions for over a decade. The company's successful AS/NZS ISO 3834.2 surveillance audit was complemented by EN 15085 CL1 and DIN 2303 Q2 BK1 certifications—further enhancing their credentials in the global market and underscoring their commitment to advanced manufacturing standards.

### Downer EDI Maryborough: AS/NZS ISO 3834.2 Surveillance and EN 15085 CL1 Re-Certification

With a legacy of manufacturing in Queensland that spans decades, [Downer's](#) Maryborough facility remains a key player in Australia's rail and transport sector. Their most recent audit confirmed ongoing compliance to AS/NZS ISO 3834.2 and re-certification to EN 15085 CL1, ensuring that their welding systems continue to meet the most demanding international requirements.

These recent achievements are more than compliance exercises—they reflect a culture of excellence across the Australian welding industry. Weld Australia is proud to support its members through these critical processes, helping ensure that Australian fabricators remain competitive, capable, and globally recognised.

## GET CERTIFIED NOW

Reduce costs, save time, and ensure your business meets industry standards. Simply email: [certification@weldaustralia.com.au](mailto:certification@weldaustralia.com.au)



## SUCCESSFUL AS/NZS ISO 3834 PLUS CERTIFICATION AUDIT AT STEEL STRUCTURES AUSTRALIA

Weld Australia recently conducted a successful AS/NZS ISO 3834.2 and AS/NZS 5131 CC3 audit at [Steel Structures Australia](#) in Brisbane.

Steel Structures Australia is a leading structural steel fabrication and erection company based in South East Queensland. Established in 2004, they specialise in providing high-quality steel fabrication and erection services for the construction industry. Their team of professionals has years of experience and expertise in the industry, and is committed to providing clients with the best service possible.

Just some of their projects include Brisbane One, Brisbane Sky Tower, the Ipswich Civic Centre, Casaurina Village, 45 Eagle Street and the Queens Wharf Viewing Platform.

By leveraging the overlap between AS/NZS ISO 3834 and AS/NZS 5131, Weld Australia's combined certification saves time, cuts costs, and enhances operational effectiveness, ensuring Australian fabricators meet stringent welding quality and structural steel requirements.

Ready to secure your market leadership? Our combined AS/NZS ISO 3834 and AS/NZS 5131 scheme delivers the competitive edge that transforms good fabricators into industry leaders.

[For more information, visit our website.](#)



L to R: Members of the Steel Structures team Chris Ketchell (Estimator), Kirk Williams (Director / Estimator), Tony Ansell (Project Manager) and Oliver Gibbins (Operations Manager / QA).



L to R: Gokhan Sacli (Weld Australia), with Haywards team members Jock Taylor, Zachary Cattigan, and Josh Down.

## SUCCESSFUL AS/NZS ISO 3834.2 SURVEILLANCE AUDITS

Gokhan Sacli (Welding Engineer, Weld Australia) recently undertook AS/NZS ISO 3834.2 surveillance audits for [Haywards Steel Fabrication and Construction](#) and [Calbah Industries](#).

Haywards specialises in the detailing, fabrication, surface treatment and erection of large scale steel works for sectors including infrastructure, energy, materials handling and mining. Spanning over 6,200m<sup>2</sup>, the Haywards workshop in Western Junction has the space and equipment to fabricate just about any job. Their team has successfully completed major projects throughout Australia and overseas, including: the Royal Hobart Hospital; sports stadiums like Rod Laver Arena and AAMI Park; bridge girders for the Bridge of Remembrance, the Darling Upgrade and Westconnex; and wind farms in King Island, Waubra and Mortlake.

Established 30 years ago in Melbourne, Calbah is design, engineering and specialist fabrication personified. At the core of the business lies a team of dedicated engineering professionals, led by Chester Baker. They share a deep passion to ensure every product is designed and manufactured to deliver outstanding performance. Calbah's design expertise with its 3D prototyping is supplemented by detailed knowledge of fabrication in various steel, aluminium and exotic alloys to ensure the best outcomes for its clients – no matter how tough the operating environment is. Calbah's push for quality and operational excellence led it to design and build its own stunning factory in Melbourne. The purpose-built facility is a model of the precision, environmental sustainability and sophistication that Calbah brings to every job it undertakes – big or small. Calbah designs are also being built in high-tech Chinese manufacturing facilities.

## ENGINEERED TO LAST: GM POLES ON THE IMPORTANCE OF WELDING CERTIFICATION

With a proud legacy stretching back to 1998, GM Poles has grown to become one of Australia's leading manufacturers of steel columns for lighting, signage, communication, and surveillance. Known for their commitment to engineering excellence and fabrication quality, GM Poles products feature prominently across the country in major infrastructure projects and urban landscapes.

As long-time holders of ISO 9001, ISO 3834, and AS/NZS 5131 certifications, GM Poles understands the importance of maintaining the highest standards of welding and manufacturing practice. Their ongoing collaboration with Weld Australia has been a key part of this commitment.

According to Rob Walters (General Manager, GM Poles), "At GM Poles, quality is part of our identity. As a manufacturer operating to the rigorous standards of ISO 9001, ISO 3834 and AS/NZS 5131, it is essential that we work with an auditing body that not only understands the standard but also the practical realities of welding in our industry."

"Weld Australia has consistently delivered professional, thorough, and highly informed audits of our welding process. Their auditors bring a wealth of technical knowledge and real-world experience that adds genuine value to the certification process."

"We have always found their approach to be constructive and insightful, helping us to continually improve our processes and maintain the highest standards of welding quality. Their professionalism and integrity give us confidence that our certification is both credible and meaningful."

"We highly recommend Weld Australia as an auditing partner for any business committed to excellence in welding," said Walters.

### GET CERTIFIED NOW

Reduce costs, save time, and ensure your business meets industry standards. Simply email: [certification@weldaustralia.com.au](mailto:certification@weldaustralia.com.au)







# NEWLY

# QUALIFIED



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

## IIW INTERNATIONAL WELDING ENGINEER (IWE)

- John Bridges

## IIW INTERNATIONAL WELDING INSPECTOR - STANDARD (IWI-S)

- Mark Prulla
- Mark Wyrebiak

## AS 2214

- Craig Pearson
- Kurt Sushames
- Peter Markovanovic
- Scott Clarke
- Sudath Priyankara
- Kadawatha Gamage

## AS 1796 CERTIFICATE 2

- Phillip Lumsdon

## AS 1796 CERTIFICATE 4

- Alex Duguid
- Phillip Lumsdon

## AS 1796 CERTIFICATE 5

- Phillip Lumsdon

## AS 1796 CERTIFICATE 7

- Caide McVittie
- Jordan Hopper
- Nicholas Wallace

## AS 1796 CERTIFICATE 10

- Christopher Stewart
- Mark Bocock
- Sam Evans
- Samuel Timney

## AS 1796 CERTIFICATE 11

- David Van Der Meer
- Mark Bocock
- Mark Prulla
- Peter White



# EXAM

# CALENDAR

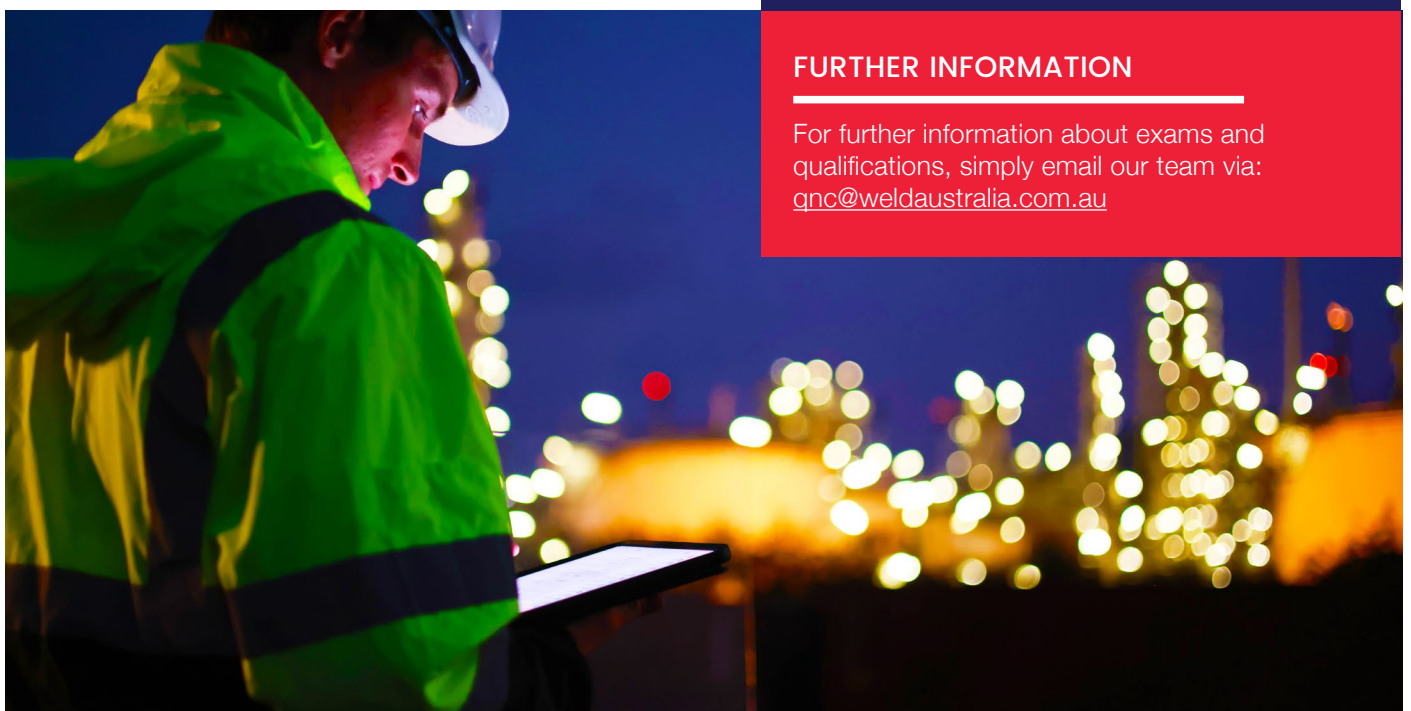
## WELD AUSTRALIA'S EXAM CALENDAR

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:

- Friday 18 July: National Welding Supervisor Exam - Paper A
- Wednesday 30 July: Re-sit Online Exam (All Qualifications)
- Wednesday 6 August: WTE-B and WTE-S Online Exam
- Wednesday 20 August: National Welding Supervisor Exam - Papers B1/B2
- Wednesday 27 August: Re-sit/Online Exam (All Qualifications)
- Friday 29 August: IWE/T - EA2.2/TA2.2 Online Exam

## FURTHER INFORMATION

For further information about exams and qualifications, simply email our team via: [gnc@weldaustralia.com.au](mailto:gnc@weldaustralia.com.au)



## SUPPORTING REGIONAL CAPABILITY: WELDING SUPERVISOR TRAINING DELIVERED IN MACKAY

Weld Australia recently facilitated two training courses in Mackay, Queensland, as part of its commitment to building capability and strengthening the future of Australia's welding industry, particularly in regional and resource-focused areas.

Bailey Greathead (Welding Technology Trainer) delivered the [Welding Supervisor – AS 1796 Certificate 10 course](#), a qualification that remains a cornerstone of welding quality management in Australia. This course equips supervisors with the technical knowledge required to oversee welding operations in accordance with Australian Standards, playing a vital role in ensuring quality assurance and compliance across fabrication projects.

Meanwhile, Joe Sandor (Principal Welding Technology Trainer) led the [Welding Supervisor – AS 2214 course](#). Designed for structural steel and other critical applications, this training supports participants in understanding weld quality requirements, inspection procedures, and supervisory responsibilities under AS/NZS ISO 9606 and AS/NZS ISO 3834 frameworks.

Delivered by experienced and respected trainers, both programs were well attended and strongly received by local industry participants.

These sessions reflect Weld Australia's strategic focus on supporting workforce development through practical, standards-aligned training that enhances safety, quality, and compliance outcomes.

By facilitating nationally recognised qualifications in regional hubs like Mackay, Weld Australia is helping to ensure local fabricators and employers have access to the skills needed to remain competitive and meet evolving industry demands.

For more information on upcoming training opportunities, visit: [weldaustralia.com.au/training](https://weldaustralia.com.au/training)





# 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.

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.

**LOCATION(S) TBC**  
**WEEK OF 16-20 FEBRUARY 2026**

## 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](mailto:d.pennington@weldaustralia.com.au)



## TWO DAY COURSE

# PIPELINE REPAIR, HOT TAPPING & IN-SERVICE WELDING

**Avoid Shutdowns & Service Interruptions. Realise Economic & Environmental Benefits.**

Facilitated by US expert, William (Bill) A Bruce, this course provides an in-depth overview of the various aspects of pipeline modification and repair (full encirclement sleeves, hot taps and so on) and addresses the concerns associated with welding onto in-service pipelines.

## WILLIAM A BRUCE

Bill Bruce is Senior Principal Consultant, Welding Technology at DNV. With a career in pipeline welding research and its practical application spanning more than 40 years, Bill's areas of interest include repair welding, inspection techniques and failure analysis.

He has carried out numerous projects pertaining to safety and integrity aspects of repair and modification of in-service pipelines by welding. Bill is an American Welding Society representative on the American Petroleum Institute API 1104 Committee and is the Chairman of the Maintenance Welding Subcommittee. He has received numerous awards, including a Distinguished Researcher Award from the Pipeline Research Council International. Bill holds a Bachelor of Science in Welding Engineering and is a Registered Professional Engineer, an IIW International Welding Engineer (IWE) and an AWS Certified Welding Engineer (CWEng).

## QUESTIONS?

Contact: Danielle Pennington on 0493 024 505 or [d.pennington@weldaustralia.com.au](mailto:d.pennington@weldaustralia.com.au)

## MELBOURNE

### 11 & 12 MARCH 2026

## COURSE OVERVIEW

- Pipeline Repair Hot Tapping and In-Service Welding
- Defect Assessment Prior to Repair
- Welding Processes, Discontinuities and Defects
- Burn Through and Related Safety Concerns
- Hydrogen Cracking Concerns
- Full Encirclement Repair Sleeves
- Hot Tap Branch Connections
- Pipeline Repair by Weld Deposition
- Non-Welded Repairs
- Selecting a Repair Method and Procedure
- Code and Regulatory Requirements
- Alternative Welding Processes for In-Service Welding
- Lessons from Past Pipeline Repair Incidents

## COST

### EARLY BIRD PRICING: BOOK BY 1 NOVEMBER:

- Weld Australia Members: \$3,210 inc GST
- Non Members: \$3,518 inc GST

### After 1 November:

- Weld Australia Members: \$3,410 inc GST
- Non Weld Australia Members: \$3,718 inc GST

Payment required at the time of booking. Cancellation 4 weeks prior to start date will not be refunded.

## COURSE DETAILS

- **Date:** 11 & 12 March 2026
- **Time:** 8.00am registration on day one; 8.30am to 5pm
- **Venue:** TBC Melbourne CBD

**REGISTER NOW >**



# KICK-START YOUR WELDING CAREER

**ENROL IN A WELD AUSTRALIA  
TRAINING COURSE NOW**



## IIW INTERNATIONAL WELDING INSPECTOR BASIC (IWI-B)

**Starts 18 August 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 18 August 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**

## WELDING INSPECTOR – AS1796 CERTIFICATE 11

**Starts 27 August 2025**

The AS1796 Certificate 11 is an Australian Welding Inspection qualification recently introduced to AS1796, this qualification builds upon the foundation knowledge expected of a Welding Supervisor with a distinct emphasis on inspection activities related to pressure equipment.

**ENROL NOW**

## IIW INTERNATIONAL WELDING TECHNOLOGIST (IWT)

**Starts 4 September 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**

## FACE-TO-FACE IIW IWI-B IN MELBOURNE

**Starts 13 October 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**

## FACE-TO-FACE IIW IWI-S IN BRISBANE

**Starts 18 November 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 and more. Come along in-person in Brisbane in November.

**ENROL NOW**



Need help? Contact our Training team via [training@weldaustralia.com.au](mailto:training@weldaustralia.com.au)



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GROW YOUR BUSINESS.

**ADVERTISE  
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For further information, contact Michelle Tagliapietra  
on [m.tagliapietra@weldaustalia.com.au](mailto:m.tagliapietra@weldaustalia.com.au)