WELD CONNECT

SEPTEMBER 2025

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Victoria State Emergency Services Rescue Truck Project >>>

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Weld Australia

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FROM OUR CEO

weldaustralia.com.au

POWER GENERATION INDUSTRY GROUP MEETING

Weld Australia recently facilitated the 69th meeting of the Power Generation Industry Group, hosted by Delta Electricity at the Vales Point Power Station in Lake Macquarie, New South Wales. It was an extremely successful meeting, with over 40 people attending in person and another 15 people dialing in online.

Ben Macey from AMEO provided a detailed overview of power system requirements for system strength, covering the current system conditions, considerations, and gaps in security. He shared TransGrid's advice on maintaining security and outlined the broader framework for managing system strength. The presentation also introduced AEMO's scheduler tool, explaining how it empowers AEMO to enable security services and provided an overview of the scheduling process. Ben concluded with additional insights into system strength solutions, highlighting strategies to address emerging challenges.

Nigel Atkins of EnergyAustralia presented the Yallourn steam turbine life-planning program. He outlined the high- and intermediate-pressure (HP/IP) life assessment, including a risk assessment to justify deferring a major overhaul before plant closure. For the low-pressure (LP) turbines, he addressed stress corrosion cracking, the use of phased-array ultrasonic testing (PAUT) for NDT, and the L-1 blade removal and replacement with a long-shank design.

Charles White from Delta Electricity gave a presentation on low load issues at Vales Point, touching on fireside corrosion, blade erosion, stress corrosion cracking and low dew point acid attack on fabric filters.

Randall Jitts from Delta Electricity spoke about generation supply mix, generator operational life extension due to delay in renewables coming online, outage work breakdown and co-ordination of outages.

Hassan Jamshidi from EnergyAustralia gave an overview of the Hallett gas turbine remnant life assessment. Hallett is a gas turbine power station peaking plant with 12 GE frame 5 OCGT units and one GE LM2500. The GE Technical Information Letter stipulates that rotors reaching 200,000 equivalent operating hours or 5,000 equivalent starts (whichever comes first) must undergo a comprehensive inspection. Rotors which have accumulated 5,000 starts are considered to be at end of life. Hassan gave a presentation on the condition, failure analysis, inspection, NDT, thermal and stress analysis, fracture mechanics, start profiles and final inspection recommendations.

Power Generation Group meeting

Wayne McAuliffe from Genuity gave a presentation on a number of major projects undertaken during recent outages at the Millmerran Power Station. The major challenges were time, space and height, each of which were addressed using innovative work methods.

Mark Rooney from Loy Yang B spoke about boiler openings at the facility. Loy Yang B suffered a number of boiler tube leaks around boiler openings. HRL was engaged to investigate stresses, installed strain gauges to analyse data and better understand the stresses.

Finally, Mathew Billman from UNEEK gave an overview of the general welding capabilities of the company, including management systems and components used in the power industry. Mathew described the TruLaser Weld 5000 Robotic Laser Welding Cell which has been recently purchased to add to the capabilities of UNEEK. He also covered current R&D projects including inconel laser cladding.

VISIT TO UGL

I recently had the opportunity to visit UGL, one of Australia's leading engineering companies, to discuss the future of train manufacturing, as well as the skilling and staffing challenges that lie ahead for the industry.

UGL delivers critical assets and essential services that sustain and enhance the communities in which we live and work. With operations across the rail, transport, energy, water, defence and resources sectors, UGL plays a key role in Australia's infrastructure and manufacturing landscape.

During the visit, I had the opportunity to tour UGL's rail facilities and engage in productive discussions with the team on how the welding and fabrication industry can support Australia's ambitions in train manufacturing. The conversation also covered workforce development, with a focus on the need to grow and upskill the next generation of welders to ensure local manufacturing thrives.

Weld Australia looks forward to continuing to work closely with UGL and other industry leaders to strengthen Australia's sovereign capability in rail manufacturing and support the development of highly skilled, future-ready workforces.

2026 SKILLAROOS TEAM OFFICIAL LAUNCH AT PARLIAMENT HOUSE

Earlier this month, Prime Minister Anthony Albanese welcomed members of the 2026 WorldSkills Skillaroos Training Squad Team to Parliament House, where he spoke with them about their aspirations and posed for photos, wishing them well as they prepare for WorldSkills 2026 in Shanghai.

The meeting was followed by the official launch event inside Parliament House, attended by Hon Andrew Giles MP, Minister for Skills and Training, and 200 leaders from

The Skillaroos team at Parliament House

government, education and industry, including myself and Weld Australia team members.

The spotlight was on 39 outstanding young apprentices, trainees and professionals along with 35 dedicated experts from across Australia, each of whom earned their place after excelling at the 2025 National Championships in Brisbane.

The evening began with an inspiring address from 2022 Skillaroo Rachel Crawford, who shared her journey with WorldSkills that saw her become the first Australian to join the WorldSkills Champions Trust representing ASEAN/ Oceania. Rachel spoke about the opportunities the movement has created for her and encouraged young people everywhere to follow their dreams.

Following this, Minister Giles congratulated the Training Squad on their achievements and highlighted the importance of the VET system in shaping Australia's skills future. He also reaffirmed the Government's support for WorldSkills Australia before being presented with a Team Australia jacket.

The evening featured a dynamic panel discussion with the Skillaroo Training Squad members, who offered powerful first-hand insights into their journeys so far. They reflected on their expectations for the upcoming International Competition in Shanghai and highlighted how WorldSkills Australia programs have transformed their personal and professional growth.

Members of Parliament from across the country, including those representing the squad members' home electorates, attended the event, underscoring the national significance of the achievement. Also in attendance was WorldSkills Australia's Patron and former Minister for Skills and Training, Brendan O'Connor.

The Weld Australia team had the augmented reality welding simulators on-hand, with members of the Skillaroos team competing for the best score on the night.

The Parliament House event capped off a four-day development camp, where squad members developed teamwork, resilience and high-performance skills.

Geoff Crittenden

CEO, Weld Australia

The Skillaroos launch event at Parliament House

INDUSTRY NEWS

weldaustralia.com.au

STRATEGIC PARTNERSHIP TO STRENGTHEN AUSTRALIA'S ADVANCED MANUFACTURING

The National Reconstruction Fund (NRF), Bradfield Development Authority (BDA) and the Advanced Manufacturing Readiness Facility (AMRF) announced a strategic partnership aimed at significantly strengthening Australia's sovereign industrial capability. The collaboration will help accelerate the development of new and emerging manufacturing firms, drive growth and productivity, and create skilled, well-paid jobs.

Bradfield will build an innovation cluster for emerging manufacturing firms, with the partnership building a pipeline of referrals between AMRF and NRF. This will help businesses looking to build out their supply chain from pre to postproduction, including R&D, design, logistics, production, distribution, sales and more.

QUEENSLAND VOCATIONAL EDUCATION TRAINING FUNDING BOOSTED BY $115 MILLION

The Federal and Queesland Governments are investing $115 million to strengthen vocational education and training (VET) in Queensland, with the aim of improving student completions and access to foundation skills. Of the total, $98.7 million will support apprentices, trainees and students to finish their training and obtain qualifications. A further $15 million will improve access to foundation skills, particularly for those needing digital literacy support. The investment will also fund outreach to apprentices and students who have not yet completed training, providing guidance and support to re-engage and transition to employment. An additional $1.9 million from the Commonwealth will assist Queensland in participating in the VET data streamlining program and the transition to a new national VET data system.

RCR ADVANCED TECHNOLOGIES TO MANUFACTURE WIND ENERGY COMPONENTS

RCR Advanced Technologies will embark on a $5.31 million project to establish itself as a manufacturer of key wind turbine components, backed by the Western Australian Government and the Advanced Manufacturing Growth Centre (AMGC).

The Bunbury-based company, part of the half-century-old RCR Mining Technologies, has received $2.05 million in co-funding through the Wind Energy Manufacturing Co-Investment Program. It is the largest co-investment to date under the initiative.

The 18-month project will focus on producing transition flanges – critical components at the base of wind towers that connect the tower to its foundation. These parts, which can reach diameters of 5.5 metres, are currently imported, presenting logistical challenges for onshore wind farm projects.

In addition to manufacturing flanges, RCR will create a refurbishment centre for wind turbine components such as gearboxes and drive shafts. The project is expected to generate 48 jobs and $36 million in revenue over the next five years.

RCR will modernise and expand its workshop capability, purchase state-of-the-art machinery and upgrade quality control processes to meet the standards of large wind energy developers. It will also use the investments to upskill its workforce to be capable of undertaking future refurbishment of wind turbine components such as gearboxes and drive shafts.

Leveraging this co-investment and its extensive manufacturing expertise in materials handling equipment for the resources sector, RCR will strengthen its collaboration with global original equipment manufacturers, such as Vestas, and engage with other major renewable energy project developers.

“This project will have a significant positive impact in the area we operate in and offers opportunities for us, our workforce, and the region to adapt,” said RCR Advanced Technologies Manager, Neville Kelly. “RCR is in a prime position to upskill local workers and provide employment related to modern energy sources, while leveraging our mining sector heritage.”

Western Australia’s industry minister, Amber-Jade Sanderson, said the project demonstrated the government’s commitment to building a competitive, future-focused manufacturing base.

“Through the Wind Energy Manufacturing Co-Investment Program, we’re enabling local companies to scale up, invest in advanced equipment, and secure their place in global clean energy supply chains,” Sanderson said.

The program, administered by AMGC, has already supported two businesses, with combined projects forecast to generate over 70 jobs and almost $54 million in new revenues in their first five years.

Applications to the program remain open until funding is exhausted, with two streams available for manufacturers: a market entry stream for smaller capability projects, and a market growth stream supporting larger capital and R&D investments.

ENTRIES CLOSE FRIDAY 26 SEPTEMBER

CIGWELD
AN ESAB BRAND

Weld Australia

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RRP $3,699

ENGINEERED FOR CLEAN AIR AND A SAFER WORKSPACE, THE BIGSUCKER FX1 DELIVERS:

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- Compact, mobile design for flexible positioning

ARCMASTER XC90F WITH CYCLONE PAPR - PRO KIT

RRP $1,299
PRO KIT

THE ULTIMATE PRO SETUP, FEATURING:

- Panoramic flip-up XC90F helmet with OptiShade™ auto-darkening technology
- Gradual Mode and 9 onboard memory presets
- Cyclone PAPR with 3-stage filtration and a 10hr battery

BONUS Bonus 20hr heavy-duty battery Cyclone Backpack for all-day mobility

ARCMASTER XC90F WITH CYCLONE PAPR - TRADE KIT

BUILT FOR EVERYDAY PROS:

- Ultra View clarity with OptiShade™ technology
- Gradual Mode for reduced eye fatigue
- Cyclone PAPR system with smart filter alerts and 10hr battery life

RRP $1,099
TRADE KIT

HOW TO ENTER?

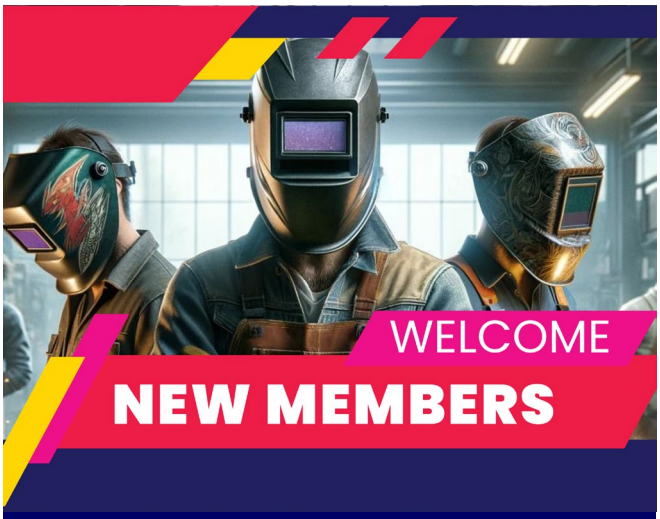
To enter, participants must:

1. Follow both CIGWELD and Weld Australia on LinkedIn.
2. Find the competition post on LinkedIn and tag a friend.
3. Make sure you're a member of Weld Australia.
4. Scan the QR code and fill out the online form to enter the draw.

No entries will be accepted on behalf of third parties.

CIGWELD.COM.AU

SCAN TO ENTER NOW >



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

CORPORATE MEMBERS

- Victoria State Emergency Service (VSES): ses.vic.gov.au
- Roam Engineering: roameng.com.au
- Rotafab: rotafab.com.au
- Jake's Steel & Welding: jakessteel.com.au
- Morgan Engineering: morganengineering.com.au

INDIVIDUAL MEMBERS

- Phillip Hamblin
- Martin Chan
- Hunter Fangmann
- Afshin Faramarzi
- Jane Patten
- Nathan Cappa
- Pieter McKee
- Blake Tilbrook
- Joseph Carles
- Brad McLaughlin
- Edward Smerdon
- Jaejun Choi

JOIN WELD AUSTRALIA TODAY

Weld Australia offers memberships for individuals and companies, with additional benefits available for corporate and premium members. Joining this powerful voice of the industry allows you to contribute to collective action for growth, idea exchange and resource sharing. Email membership@weldaustralia.com.au for details.

WELD AUSTRALIA VISITS MONADELPHOUS IN PERTH

Weld Australia recently visited Monadelphous in Perth. CEO Geoff Crittenden, Director of Engineering Simon Doe, and Welding Engineer Corentin Avila were hosted by Lee Oakley (Welding Engineering Manager at Monadelphous), who also serves on Weld Australia's Western Australia State Committee.

The visit provided an invaluable opportunity to see first-hand the depth of capability Monadelphous brings to the resources, energy, and infrastructure sectors. Lee took the Weld Australia team through Monadelphous' training and procedure development bays, which are amongst the most advanced and well-equipped facilities our representatives have seen. These bays demonstrate Monadelphous' commitment to quality, innovation, and excellence in welding standards.

As a leading Australian engineering group, Monadelphous delivers large-scale construction, maintenance, and industrial services across some of the nation's most complex projects and facilities. Their reputation for reliability and technical expertise has cemented their position as a trusted partner in critical industries.

Weld Australia is proud to have members like Monadelphous actively engaged in shaping the future of welding excellence. With leaders like Lee Oakley driving innovation and maintaining strong connections with industry associations, the pathway for further collaboration is clear.

L to R: Corentin Avila, Geoff Crittenden, Lee Oakley and Simon Doe.

The people who bring engineering training to you.

Meet Outsource Institute.

It's not just who you know but what they know, and Outsource Institute (AUS) knows training…

"With our training your team gains the high-level skills needed to grow and compete in today's market right where they work."
Stephen Love - Managing Director

Over 25 years in the business.
That's how long Outsource Institute (AUS) has been putting experts in the field. Their successful model combines hands-on instruction with online and offsite components to maximise efficiency and learning.

"Our courses are fully accredited and nationally recognised with an ISO 9001 Quality Assurance tick of approval."
Joe Spruce - General Manager

Scope and quality.
Outsource Institute specialises in Advanced Trade Training in the Metals and Engineering sectors. From apprenticeships to advanced diplomas. With pathways right up to university.

"Partnering with industry gives us the fullest understanding of the very specific skills needed in the metals and engineering sector. We stay on top of that."
Neil Bennett – Engineering Trainer and Assessor

Industry partnerships.
Outsource Institute have honed their own training by delivering training directly and through partnerships with the likes of Weld Australia, Custom Fluid Power, Workforce Success, RPR Trades, Solidus IQ and Diverseco.

"With ever-changing technology and industry developments we analyse and approach each company and client on an individual basis to meet their personal and career advancement needs."
Jackie Love - National Training & Development Manager

Government funding.
To address skill shortages in Australia, governments are offering various funding options and incentives* to minimise shortages, focus on high-demand jobs in critical industries, and increase the number of individuals with formal post-school qualifications.

Sound Advice.
Outsource Institute can help guide you through the available government funding and the criteria. On top of that they can also help with payment plan options.

"I know Education changes lives. It's why I founded Outsource Institute 26 years ago.
Carl Spruce – Director & Founder

The Outsource Institute Team are ready to help you explore all the options from advanced welding to automotive, to heavy engineering. Wherever you want to go they can help guide you.

Call 1300 136 904, visit us online, or scan athe code.

*Funding eligibility criteria applies.

A VISIT TO FUTURE ENGINEERING & COMMUNICATION AND ROLLWELL IN PERTH

Weld Australia CEO Geoff Crittenden, Director of Engineering Simon Doe, and Welding Engineer Corentin Avila travelled to Perth for a highly productive round of meetings with two members of the Tasmea owned Future Engineering Group: Future Engineering & Communication (FEC) and Rollwell Engineering.

These discussions focused on emerging opportunities for the welding and fabrication sector, especially within the rapidly growing renewables industry.

Future Engineering & Communication (FEC) is an Australian owned organisation specialising in the design, engineering, supply and installation of powerline, telecommunications and renewable energy infrastructure including lattice towers, steel monopoles, guyed masts and custom designed structures and has been proudly manufacturing local products for over 33 years. In that time they have become an industry leader, providing comprehensive infrastructure solutions across Australia.

Rollwell Engineering is also a proudly Australian owned manufacturing company with more than 30 years of experience delivering deliver fully customised steel fabrication, rolling and pressing solutions for high-quality infrastructure components across Western Australia.

Operating from their fully equipped 14,000m^2 Kwinana premises, Rollwell maintains a large and flexible team of highly qualified welders and boilermakers enabling them to cost-effectively execute a wide range of fabrication projects.

During the visits, Weld Australia's leadership and the teams from both FEC and Rollwell discussed the importance of a sovereign supply chain and the need for Australian Made manufacturers to be supported along with practical challenges, like ensuring stringent structural and environmental compliance, and mastering the logistics of delivering large-scale steel systems into remote or environmentally sensitive terrains.

They also explored how innovation in welding processes, material science and automated inspection could help reduce cost, improve quality and speed up delivery.

As Australia ramps up its commitment to renewable energy infrastructure, the role of companies like FEC and Rollwell Engineering becomes increasingly vital.

Weld Australia is excited by the collaborative spirit on display and looks forward to supporting these firms as they tackle welding, quality, and fabrication challenges in renewables, helping ensure that Australia's future energy systems are built with excellence and reliability.

EVENTS

weldaustralia.com.au/events-calendar

UPCOMING EVENTS

VICTORIA COMMITTEE TECHNOLOGY NIGHT: FUME CONTROL AND MINIMISATION

This event is designed to educate attendees on new and emerging technologies that support welders and fabricators in effectively reducing welding fumes and minimizing personal exposure. Attendees will gain practical insights into how modern equipment can enhance workplace safety and ensure compliance with updated exposure regulations. Why attend:

- Discover cutting-edge fume extraction and control technologies
- Understand how to meet the latest regulatory requirements for fume exposure
- Learn practical solutions to improve air quality and protect worker health in welding environments

Event Details:

- Date: Tuesday 7 October 2025
- Time: 5:30pm to 7:30pm
- Location: Chisholm TAFE in Dandenong
- Address: 121 Stud Road, Dandenong VIC 3175

REGISTER NOW ›

DARWIN'S FIRST HANDS-ON WELDING DEMONSTRATION DAY

Be part of Darwin's inaugural welding showcase and a live radio broadcast by HOT100 and MIX104.9 FM. Join the Territory's welding community for a morning of live demonstrations, a free tradies breakfast, hands-on testing and a "come-and-try" augmented reality welding simulator experience hosted by Weld Australia.

Bring your team, apprentices and mates. See the latest gear in action and talk shop with the experts.

This event is free and open to everyone: Weld Australia members, non-members and the general public. No need to register. Just come on down!

Event Details:

- Date: Friday 17 October 2025
- Time: 5:30am to 12:00 noon
- Venue: SPW Total Weld
- Address: 23 McCourt Road, Yarrawonga, NT 0830

LEARN MORE ›

FREE LIVE WEBINAR: PERSONAL WELDING FUME PROTECTION

Join us for an informative session hosted by Weldclass and discover how the latest personal welding fume detection devices:

- Provide real-time monitoring to help welders and safety managers meet legal requirements
- Improve workplace air quality
- Proactively manage risk exposure with welding fumes

Learn how these advanced devices accurately monitor welding fume levels helping workplaces meet regulatory requirements and protect worker health. This FREE session will be led by Will Norris, Training Manager at Weldclass.

Event Details:

- Date: Wednesday 29 October 2025
- Time: 12:00PM – 1:00PM (UTC+10)
- Location: Online via Zoom link

REGISTER NOW ›

Weld Australia

2025 WELDING EXCELLENCE AWARDS

Weld Australia's Welding 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 Weld Australia Welding Excellence awards are celebrated across five states from October through to December. The awards celebrate the industry's top talent, innovation, and achievements.

The award ceremonies are a great opportunity to network with industry leaders, recognise exceptional work, and explore insights into the latest welding advancements. Book your spot today and be inspired by the best in the field.

We welcome everyone to the award ceremonies. So bring you partner, family and your colleagues and celebrate a night of industry. Several events sold out last year, so be sure to register early to avoid disappointment.

All the awards evenings run from 6:00pm through to 10:00pm. Tickets include a two course meal and drinks throughout the evening.

ATTEND THE AWARDS

The awards will be presented at events held across the country from October to December:

Queensland and Northern Territory
Thursday 9 October
Victoria Park, Herston Road, Herston

New South Wales and ACT
Thursday 23 October
Strathfield Golf Club, 52 Weeroona Road, Strathfield

Victoria and Tasmania
Wednesday 12 November
RACV Club, 501 Bourke Street, Melbourne

Western Australia
Thursday 27 November
DoubleTree by Hilton Perth Waterfront, 1 Barrack Square, Perth

South Australia
Thursday 4 December
Adelaide Pavillion, Veale Gardens, Corner South Terrace and Peacock Road, Adelaide

REGISTER NOW ›

WITH THANKS TO OUR NATIONAL AWARDS SPONSORS

Air Liquide · BOC A Linde company · coregas Nippon Sanso Holdings Group · Diverseco · KEMPPI · LORCH smart welding · OUTSOURCE Institute (AUS) · ProQM · Scott & Broad · SPW

WITH THANKS TO OUR STATE AWARDS SPONSORS

GENTRONICS · ONEGAS No Rent. No Contracts. · W.E.S.S.

SOUTH AUSTRALIA COMMITTEE POST EVENT WRAP-UP: THE FUTURE OF WELDING TECHNOLOGY

Weld Australia's South Australia State Committee recently hosted a hands-on event at W.E.S.S. in Wingfield that brought attendees face-to-face with the latest in welding technology.

Members had the opportunity to see live demonstrations of cutting-edge digital waveform processes and learnt how these innovations can boost productivity, quality and efficiency in their workshop.

Attendees discovered how to harness Industry 4.0 capabilities, improve connectivity, and manage big data in real-world fabrication environments. The session delivered practical insights to help welders and fabricators stay competitive and future-ready.

The event was very well attended, with positive feedback all-round and great networking opportunities.

Our thanks go to the event supporters: BOC, Cigweld, Lorch, Lincoln Electric and W.E.S.S.

POST EVENT WRAP-UP: SAY YES TO THE TRADES 2025 AT THE BANKSTOWN ENTERTAINMENT PARK

Australia's need for skilled tradespeople has never been greater. With strong job demand across industries like welding and fabrication, as well as electrical, air conditioning, and refrigeration, students who start exploring trade careers early are setting themselves up for success.

The 'Say Yes to the Trades' event at the Bankstown Entertainment Park in Sydney gave students the unique opportunity to experience trades in action, speak directly with industry professionals, and discover pathways they can follow straight from school. Weld Australia was on-hand with the augmented reality welding simulators to give students curious about practical, high-demand careers a chance to try welding for themselves.

L to R: Lucas Bendo-Watson, Ben Mitchell, Andrew MacKay and Rana Everett.

A student tries their hand at welding.

Andrew Mackay, Member for Goyder, tries the welding simulator.

POST EVENT WRAP-UP: WOMEN IN WELDING IN THE NORTHERN TERRITORY

Weld Australia's Ben Mitchell (Director Strategic Partnerships) and Lucas Bendo-Watson (Business Development Manager) visited Darwin recently, where they supported a Women in Welding event.

Held at the Litchfield Community Library and hosted by Rana Everett (Managing Director, Everett Consulting) as part of National Science Week, the event saw a steady stream of women give the augmented reality welding simulator a go and hear about careers in welding.

Local member for Goyder, Andrew MacKay, also attended and tried his hand at welding, socring a very respectable 91 points.

QUALIFICATION & CERTIFICATION

weldaustralia.com.au/qualification-certification

CERTIFICATION AUDITS: STRENGTHENING WELDING QUALITY ACROSS AUSTRALIA

Weld Australia has recently conducted a series of audits for certification to AS/NZS ISO 3834, AS/NZS 5131 and EN 15085 the internationally recognised standard for welding quality management.

Achieving this certification is a mark of excellence, demonstrating that companies not only meet the highest technical and safety requirements, but also deliver consistent, compliant, and reliable outcomes for clients. It is a vital benchmark for ensuring quality assurance in welded products, enhancing competitiveness, and building trust across the industry.

Catten Industries: Surveillance Audit for AS/NZS ISO 3834.2 and EN 15085 CL1

Founded in 1994 and proudly family-owned, Catten Industries is a leading Australian precision sheet metal manufacturer based in Bayswater, Victoria. Operating from a modern 2,564m² facility, the company provides complete sheet metal solutions—from concept to completion—across industries including building, transport, defence, electronics, communications, shopfitting, and general engineering. With a dedicated engineering team, advanced machinery, and a highly skilled workforce, Catten Industries delivers innovative, high-quality metal products while maintaining strict safety, compliance, and environmental standards.

AC Laser Cutting: Surveillance Audit for AS/NZS ISO 3834.2

As a family-owned and operated business now in its second generation of management, AC Laser Cutting have been pioneers in laser cutting, fabrication and component manufacturing for two decades. Founded in 1991, the company continues to set new benchmarks in the industry. AC Laser started in a small factory in Thomastown. The company now has two side-by-side factories with an evolved and modernised manufacturing approach. Their state-of-the-art facility is equipped with the latest technology and operates 24/7 to ensure they meet every deadline. With a focus on high-quality workmanship and exceptional service, their friendly team of experts provides reliable, cost-effective, market-leading solutions to various industries nationwide.

Members of the AC Laser Cutting team

Callidus Welding Solutions: Surveillance Audit for AS/NZS ISO 3834.2

Callidus has been providing total high-end flow control solutions to the oil and gas, mining, and renewable energy industries since 1997. The company specialises in the management, maintenance, servicing and diagnostics of valves, actuators, and instrumentation. Their extensive range of capabilities results in overall improved performance for their clients, delivering cost and time savings. With their headquarters in Perth, Western Australia, Callidus currently employs in excess of 300 people across several comprehensive facilities throughout the Asia Pacific region, capable of testing or repairing any valve and actuator, regardless of size, class, type or manufacturer.

GET CERTIFIED NOW

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

HVAC: Re-Certification Audit for AS/NZS ISO 3834.2 and AS/NZS 5131 CC3

HVAC was originally established in 1984 as a specialist air conditioning company. The company soon expanded their business to offer custom solutions on a wide variety of engineering and fabrication needs. Today, HVAC operates across a truly national footprint, with head offices and workshop facilities at Redbank in Ipswich, as well as secondary facilities in both Brisbane and Adelaide. HVAC's industrial division is focused on the design, procurement, and installation of heavy gauge steel fabrication products. Their services include hood work, duct supports, fabrication of plate work such as bins and hoppers, as well as medium structural works, access platforms, conveyor gantries, guards and pipe work.

ABFI: Surveillance Audit for AS/NZS ISO 3834.2 and Certification Audit for AS/NZS 5131 CC3

ABFI Steel Group specialises in the manufacture of steel pile casings and structural steel pipe to suit your needs. From 610mm OD and 10mm thickness, they provide quality products, at market competitive prices, compliant to your specification, delivered as and when required, throughout Australia and the Pacific Islands. ABFI Steel Group offers a full range of services including NDT testing, coating and project management to site.

JRS Manufacturing Group: Surveillance Audit for AS/NZS ISO 3834.2

Established in 2014 with a small team of five people, JRS Manufacturing Group originally rented a small shed and focused on boilermaking. In the years that followed, JRS grew quickly. The company expanded its service offering, quickly realising that in-house sandblasting and painting capabilities were needed to complement their fabrication services. Today, the company boasts a workforce of more than 50 people. Their services encompass pressure pipe fabrication and welding, abrasive blasting and coating, medium to heavy plate fabrication, specialised surface treatments, CNC and general machining and assembly.

Members of the JRS Manufacturing Group team

HALLIDAY ENGINEERING CERTIFIED TO AS/NZS ISO 3834.2

Weld Australia is proud to announce that Halliday Engineering has acheived certification to AS/NZS ISO 3834.2.

Halliday Engineering is Australia's oldest engineering company, proudly family-owned and operated since 1852. With modern manufacturing facilities located across the country and a central hub near Sydney's ports, they provide end-to-end solutions, including design, procurement, fabrication, and repair, for plant and marine assets. Halliday's services support clients in defence, shipping, mining, and power generation, both locally and internationally.

Backed by five generations of industry expertise, Halliday's team of more than 65 skilled professionals combines heritage and innovation to deliver engineering solutions of the highest quality.

Earning AS/NZS ISO 3834.2 certification reflects their ongoing commitment to quality, compliance, and excellence in welding practices. Congratulations to the entire Halliday team on this outstanding achievement.

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 simplifed certification process. Simply email: certification@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.

PRECISION METAL GROUP: WELD AUSTRALIA'S CERTIFICATION ADDS REAL VALUE TO OUR BUSINESS

At Precision Metal Group, certification isn't just a requirement. It's a strategic foundation for everything the company does.

"With a suite of certifications across EN 15085, AS/NZS ISO 3834, DIN 2303, AS/NZS 5131, ISO 9001, ISO 14001, ISO 45001, and ISO 27001, we understand the difference between a tick-box exercise and a genuinely valuable audit process," said Jason Elias, CEO of Precision Metal Group.

"That's why we chose Weld Australia for our combined AS/NZS ISO 3834, AS/NZS 5131, EN 15085 and DIN 2303 certification. Weld Australia's audit process stands out. Their team brings an exceptional level of knowledge and real-world industry experience that you don't often see. The auditors don't just check compliance. They work with you to identify practical improvements that enhance your systems and operations."

For Elias, that insight is what makes the Weld Australia certification process a cut above the rest.

"The level of detail in their assessment and the professionalism of their auditors adds real value. They understand the realities of fabrication and welding and tailor their approach accordingly. It's constructive, collaborative, and genuinely improves the way we work."

The dual certification process was also efficient and cost-effective. "Being able to combine AS/NZS ISO 3834 and AS/NZS 5131 into one audit was a huge advantage. It minimised disruption to our operations and helped us streamline our internal documentation and processes."

The result? A certification process that supports continual improvement, enhances capability, and reinforces Precision Metal Group's reputation as a leader in high-compliance fabrication.

"Weld Australia's certification is more than a certificate. It gives our clients confidence that we're operating at the highest standards, backed by a rigorous and respected industry body," said Elias.

Precision Metal Group are specialists in mechanical engineering services, onsite machining, machinery maintenance, machinery relocation and welding. They have a range of industrial services and products from all around the world and operate across a range of sectors, from defence, rail and infrastructure through to manufacturing, mining, and oil and gas.

Precision Metal Group prides itself on the ability to be a one-stop shop, with 24 hour 7 days a week support services.

UPCOMING ISI AND SISI EXAMS

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 closed 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.

AICIP EXAM DATES

The next AICIP 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 closed 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 be provided in the coming weeks.

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

NEWLY QUALIFIED

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

IIW INTERNATIONAL WELDING ENGINEER (IWE)

- Rasoul Pouriamanesh

IIW INTERNATIONAL WELDING INSPECTOR – BASIC (IWI-B)

- Alexander Blacker
- Bradley Darby
- Bradley Knoop
- Brandon White
- Caden Harrison
- Cain Sandeman
- Christopher Zeller
- Daniel Peake
- David Ritter
- Donald Navarrete Santullo
- Glen Brouwers
- Hayden Wallis
- Jacob Parker
- Marion Olivar
- Mark Balestrin
- Mohamed Hassan
- Norman Archibald
- Robert Brown
- Ryan Clifford
- Ryan McMichael
- Sean Parish
- Trent Crawley
- Tyson Dye
- Wayne Gibbs
- Yi Yang

IIW INTERNATIONAL WELDING INSPECTOR – STANDARD (IWI-S)

- Dale Braithwaite
- David Ranapiri
- Hayden Burgess
- Juwon Ha
- Naveen Kumar

AS 2214

- Benjamin Fenton
- Brad Anderson
- Elie Doublet
- Jaswant Singh
- Robert Campbell
- Teng Ian Leung
- Tyler Parker

AS 1796 CERTIFICATE 4

- Jacob Smith
- Tyler Parsons

AS 1796 CERTIFICATE 7

- Benjamin Poulton
- Jack Waddell
- Jordan Lortan
- Lachlan Lyle
- Reuben Pinkerton
- Riley Marsh
- Rohan Fleming
- Yongjiu Zhong

AS 1796 CERTIFICATE 10

- Ahmed Elsayed
- Brendan Farley
- Chris Gardiner
- Clinton Esau
- Francesco Prestia
- Henry Flores
- Justin Honey
- Kurt Sushames
- Michael Bashford
- Muhammad Haroon
- Raphael Tinashe Makotose
- Reece Carter
- Ronald Nice
- Shaun Meinecke
- Tharaka Kotambage
- Thomas Mosey
- Thomas Rodney

AS 1796 CERTIFICATE 11

- David Ranapiri
- Reece Carter

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 and 2026, making planning ahead as simple as possible. Upcoming exam dates include:

- Wednesday 24 September: Re-sit/Online Exam (All Qualifications)
- Wednesday 1 October: WTE-B/WTE-S Online Exam
- Friday 3 October: WIE B
- Friday 24 October: C2 Practical - AS1796 Certificate 11
- Wednesday 29 October: Re-sit/Online Exam (All Qualifications)
- Friday 31 October: IWS: SA4 Online Exam
- Monday 3 November: National Welding Supervisor Exam - Paper A
- Wednesday 5 November: WTE-B/WTE-S Online Exam

FURTHER INFORMATION

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

ENGINEERING

weldaustralia.com.au/engineering-services

VICTORIA STATE EMERGENCY SERVICES RESCUE TRUCK PROJECT

Weld Australia's engineering team has recently been supporting the Victoria State Emergency Services (SES) with their rescue truck project. Gokhan Sacli (Welding Engineer) and Jake Adie (Welding Technologist) are providing welding consultancy and engineering support throughout multiple project milestones.

The Victoria SES is a volunteer-based emergency service organisation responding to natural disasters, road rescues, and emergency incidents across Victoria.

To enhance safety and operational efficiency, Victora SES is undertaking this project to ensure the highest standards in vehicle design, fabrication, and welding quality.

Weld Australia is supporting Victoria SES with:

- Design review
- Implementation of welding technical specifications and procedures
- Prototype inspection to assess initial fabrication, weld quality, and conformance with design specifications
- Technical review of welding processes and documentation
- Supplier evaluation, including assessment of welding capability, certifications, and quality systems
- Development of welding specifications and tender requirements to ensure quality compliance
- Execution of supplier audits to evaluate manufacturing processes, welding procedures, and quality assurance measures

NEED ENGINEERING SUPPORT?

With diverse expertise in industries like defence, manufacturing, construction, rolling stock, infrastructure, power generation and mining, Weld Australia has the unique capability and experience to solve your welding problems. Our engineering services can help substantially increase the operational life of your plant and equipment, and reduce your maintenance and repair overheads. Simply email: engineering@weldaustralia.com.au

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

REGISTER NOW >

UPDATE ON NEW EDITION OF ASME BPVC SECTION IX (2025)

By Corentin Avila (Welding Engineer, Weld Australia)

The 2025 Edition of the ASME Boiler and Pressure Vessel Code (BPVC) Section IX introduces a series of important revisions and clarifications that affect welding procedure qualifications, performance qualifications, and acceptance criteria.

As a reference point, the 2023 Edition brought forward major updates, including the introduction of Article VI on material manufacturing using wire-additive welding (WAAM) and the addition of welding variables for welders for manual and semi-automatic laser beam welding (LBW) in Table QW-358.

Building on these developments, the following article presents a list of the main changes in the 2025 Edition.

Simultaneous Procedure Qualification Records (PQRs)
Simultaneous qualification of joining procedures is permitted when allowed by the referencing code, standard, or specification.

Each participating organisation must be represented by a responsible individual (per QG-106), and the joining of the test coupon(s) must be conducted under the simultaneous supervision of the representatives of each participating organisation. Finally, the PQR must be certified by each organisation in accordance with QG-102, ensuring shared supervision and individual accountability.

The use of an AWS Standard Welding Procedure Specifications (SWPSs) as listed in Mandatory Appendix E may be adopted by the Organisation conducting the welding, provided all the requirements of Article V are met.

Testing and Acceptance Criteria
QW-163: The acceptance criteria for groove (butt) welds and corrosion-resistant overlay welds are now separated into distinct paragraphs.

QW-185.3: For diffusion welds, whereas zero porosity was previously mandated, limited and defined on or adjacent to the bond lines, limited porosity according to QW-185.3 is now acceptable.

Personnel Qualifications and Certifications
QW-191.4: Alternatively, if allowed by the referencing code, standard or specification, personnel who examine test coupons and production welds may be qualified and certified according to the requirements of that national or international standard or the earlier edition of Section V.

Introduction of a new P-No. 81 and removal of P-No. 49 Table QW/QB-422 now lists cobalt alloy Co–26Cr–9Ni–5Mo–3Fe–2W (UNS R31233) under P-No. 81.

Post Weld Heat Treatment
QW-407.2: The supplementary essential variable now only applies to post weld heat treatment below the lower transformation temperature (Ac_1). This only applies to procedures qualified with toughness requirements.

Gases
QW-408.8, .9 & .10: Trailing and backing gas variables now include P-No. 54 materials. P-No. 81 (previously P-No. 49) was added to QW-408.9 (backing gas).

Tube-to-Tubesheet Welding
QW-403.16: Only a decrease in tube diameter exceeding

10% is considered an essential variable; increase beyond 10% no longer requires requalification. QW-403.32 clarifies the thickness qualification ranges:

- Tubes ≤ 0.100 in. (2.54 mm): qualified range ½T to 2T.
- Tubes > 0.100 in. (2.54 mm): qualified range 2.54 mm to unlimited.

New Supplementary Essential Variables
QW-410.91 – Spot size: For LBW hard-facing overlays, any ±10% variation in defocused spot size requires requalification.

QW-410.92 – Bead Width: Applies to GMAW, FCAW, SAW, SMAW, GTAW, PAW, and LLBW. Bead widths over 25 mm (via weaving/oscillation) shall now be factored into heat input calculations.

QW-410.93 – Oscillation: For Wire-Additive Welding Variables for GMAW (Table QW-651), a change of more than 20% in the width or frequency of oscillation.

Performance Qualification Positions
Table QW-461.9: In plate/pipe groove welds, a 1G position qualification now covers both Flat (F) and Horizontal (H) positions, instead of previously only Flat (F).

Filler Metals
QW-432: Addition of ERNiCr-8 (UNS N06699) for welding Alloy 699 XA, known for its resistance to metal dusting, a high-temperature corrosion phenomenon occurring at 400–800°C.

Duplex Stainless Steels
Appendix M: A new nonmandatory appendix provides guidance for welding P-No. 10H duplex stainless steels, focusing on ferrite/austenite balance and mechanical properties. While nonmandatory, it may be invoked by contract or specification. Reference documents include AWS D10.18 and API RP 582.

WELD AUSTRALIA'S CAPABILITY IN ASME IX

Our engineering team provides authoritative guidance and support to organisations seeking to achieve compliance with ASME IX, ensuring welding operations meet the highest international quality and safety benchmarks.

With deep technical knowledge across industries including power generation, resources, oil and gas, pressure equipment, and heavy fabrication, Weld Australia helps members and clients develop and qualify Welding Procedure Specifications (WPS), oversee Procedure Qualification Records (PQRs), and ensure welders and operators are tested and certified in accordance with ASME IX requirements. Beyond qualification, our team offers practical engineering advice on how to integrate ASME IX compliance into everyday production, improving weld quality, reducing rework, and enhancing productivity.

Contact engineering@weldaustralia.com.au for help.

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.

The course will be facilitated by Walter J. Sperko, P.E., the President of Sperko Engineering Services, a consulting firm specialising in metal fabrication technology. He has particular experience in piping and pressure vessel fabrication, installation, maintenance and repair. Mr. Sperko is also a past-Chairman of the ASME Welding, Brazing and Fusing Standards Committee IX and a member of ASME Subcommittee III, Nuclear Components.

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.

The requirements for welders and operators will be examined with particular emphasis on minimising the cost and maximising the usefulness of qualifications.

REGISTER NOW ›

TRAINING

weldaustralia.com.au/training

FACE-TO-FACE WELDING SUPERVISOR IN SYDNEY

Starts 3 November 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 productivity. This course will be in Liverpool, Sydney.

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

ONLINE AS 2214 WELDING SUPERVISOR

Starts 20 January 2026
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 productivity. This course is the next step in your professional welding career. Enrol now to learn new skills you can apply straight away.

ENROL NOW

WELDING SUPERVISOR - AS1796 CERTIFICATE 10

Starts 20 January 2026
A Welding Supervisor qualification can help you improve your company's bottom line. Welding Supervisors often make valuable contributions to four of the most important metrics in welding operations: quality, cost, productivity and safety. Enrol now to take your next career step.

ENROL NOW

IIW INTERNATIONAL WELDING INSPECTOR - BASIC (IWI-B)

Starts 11 February 2026
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 SPECIALIST (IWS)

Starts 11 February 2026
As an IWS, you can perform, supervise, and oversee all company welding activities. You will have responsibility for the quality welding activities, like ensuring the correct material and weld procedure is used. You may also be authorised to verify that your company has complied with all relevant quality considerations.

ENROL NOW

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

THREE DAY COURSE

ASME SECTION IX

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

NOW AVAILABLE AS LIVE WEBINAR

BRISBANE OR LIVE WEBINAR

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

In-person:

- Members: $3,610 inc GST
- Non Members: $3,810 inc GST

Live webinar:

- Members: $3410 inc GST
- Non Members: $3610 inc GST

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

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.

PERTH: 17-19 FEBRUARY

EAST COAST EOIs: 10-12 FEBRUARY

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 in-service.

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.

QUESTIONS?

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

WHAT IS IT?

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.

KEY TAKEAWAYS

- Analyse, evaluate, and monitor pressure vessels, piping, and tanks for continued operation
- Explain how to apply background information on fitness-for-service assessment, especially as it applies to the refining and chemical process industries, which are the primary focus of API 579
- Identify the main parts of the API/ASME standard, as well as the annexes
- Explain the practical application of the techniques incorporated in API 579-1/ASME FFS-1

REGISTER FOR PERTH NOW

EAST COAST

To express your interest in an East Coast session on 10-12 February 2026 contact Danielle Pennington on 0493 024 505 or d.pennington@weldaustralia.com.au

TWO DAY COURSE

PIPELINE REPAIR, HOT TAPPING & IN-SERVICE WELDING

MELBOURNE
11 & 12 MARCH 2026

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

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. Cancelation 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 ›

Weld Australia

EXPAND YOUR AUDIENCE.
GROW YOUR BUSINESS.

ADVERTISE WITH US

For further information, contact Michelle Tagliapietra
on m.tagliapietra@weldaustralia.com.au