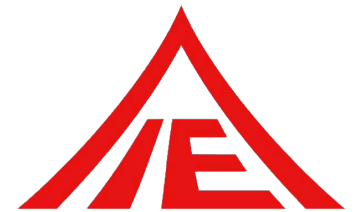


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**2025**

**April 2025 - June 2025**



**Australian Institute  
of Engineering**

Engineers bring dreams to reality

# The AIE Bulletin

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# ABOUT THE INSTITUTE

The Australian Institute of Engineering (AIE) is a leading education institution, providing a wide spectrum of engineering courses ranging from pre-apprenticeship qualifications like Certificate II in Engineering to post-graduate qualifications such as the Graduate Diploma in Engineering. With a commitment to industry relevance and student excellence, we offer specialized streams in disciplines such as Marine Craft Construction, Robotics, and Mechatronics, to name a few. Our rapid growth and recognition in the field of education, evident from the numerous awards we've secured, is testament to our unwavering commitment to quality and innovation in engineering education.



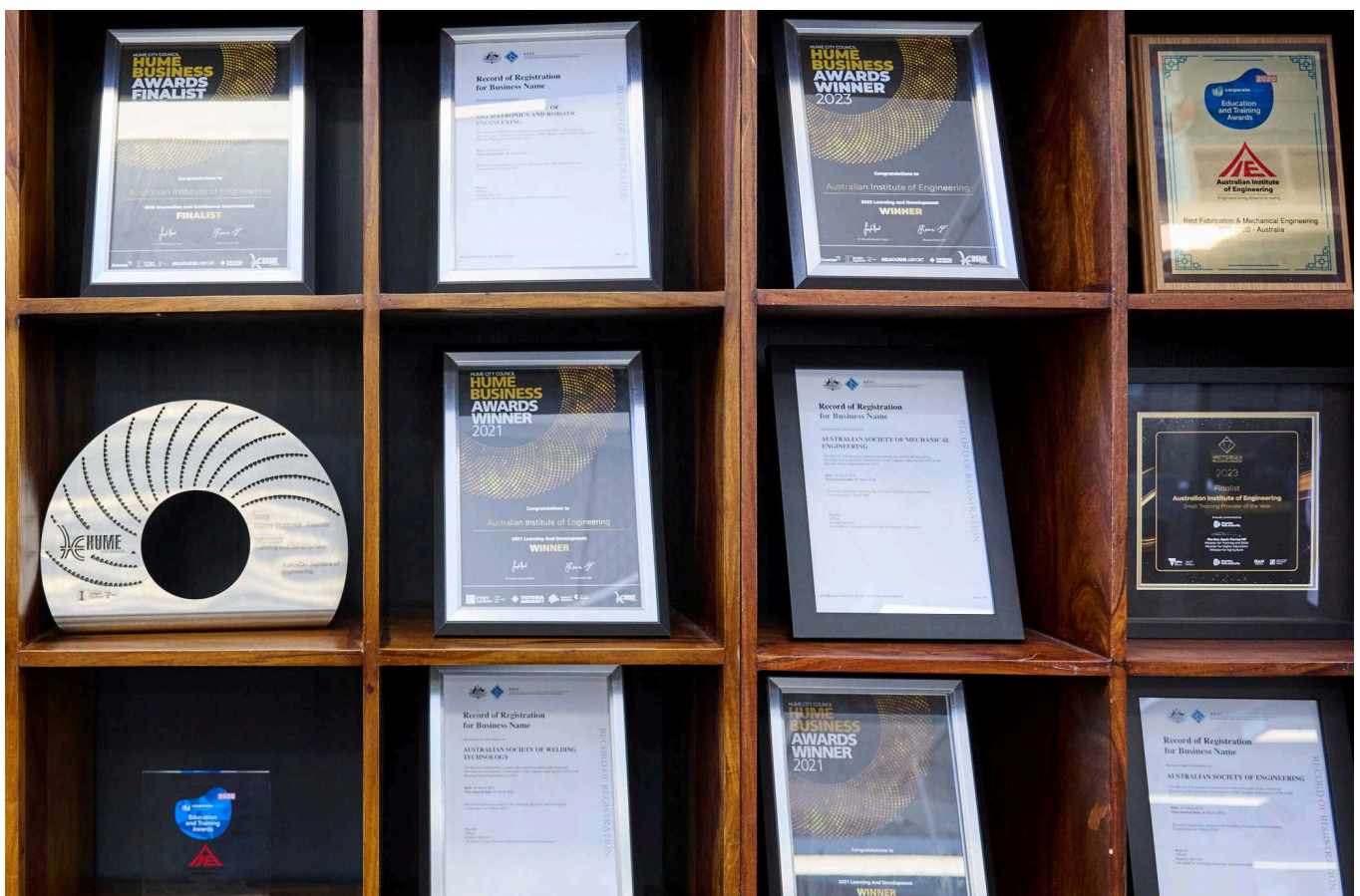


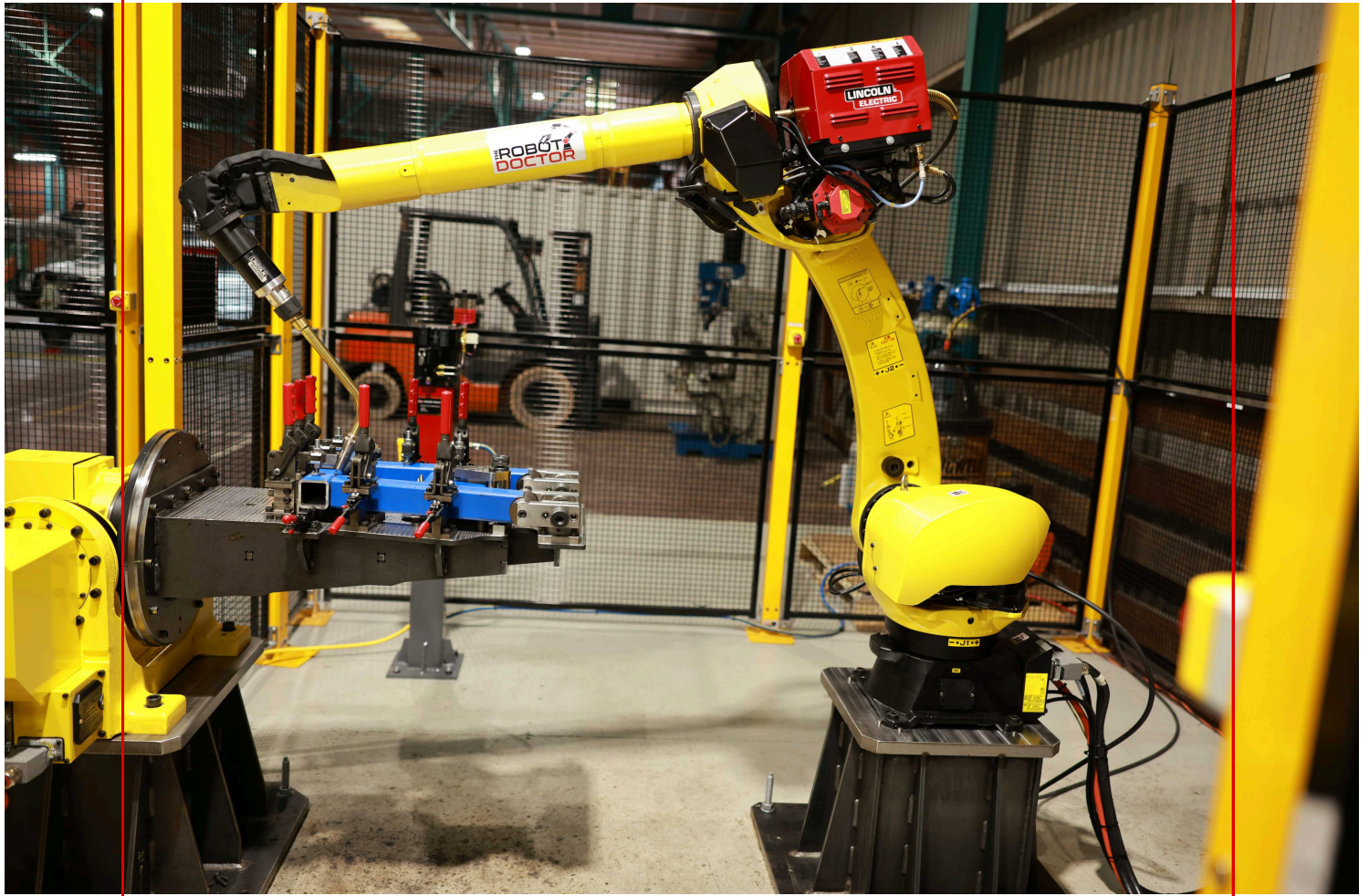
# VISION

To be a global beacon of excellence in engineering education, pioneering the future of industry-centric learning, and setting unparalleled standards of academic achievement and innovation

# MISSION

To empower our students with comprehensive, industry-relevant skills and knowledge, paving the way for the next generation of world-class engineers. Through collaborations with manufacturing businesses and industry bodies, we aim to continuously evolve our courses to mirror the latest in industry trends and practices.





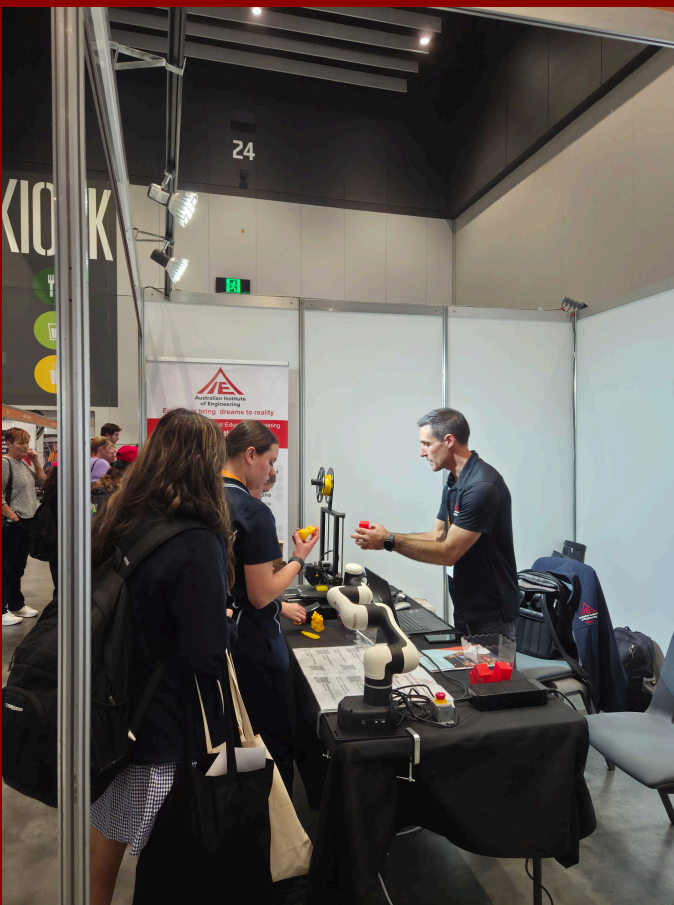
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# 1. AIE Showcases Innovation and Partnerships at Trade and Tech Fit Expo 2025

The Australian Institute of Engineering (AIE) proudly participated in the Trade and Tech Fit Expo 2025, an exciting event that was open to the public for the first time. The expo drew a fantastic crowd, with the majority of visitors being enthusiastic students eager to explore careers in engineering and trades. The event also attracted educators, employers, and industry professionals, creating a dynamic atmosphere for connection, learning, and inspiration.

At our stand, we showcased AIE's range of short courses in 2D and 3D design, welding, white card training, and automation technologies, all designed to equip students with practical, job-ready skills for today's workforce. Many visitors were keen to learn more about our apprenticeship pathways, hands-on training, and the ways AIE supports students in building successful careers.



Our stand was positioned next to that of our valued industry partner, the **Australian Foundry Institute (AFI)**. This gave visitors a fantastic opportunity to engage with both engineering education and manufacturing industry pathways in one area. At the AFI stand, Alan Cooke, Secretary of AFI (Vic), shared his expertise and demonstrated the innovative **"Foundry in a Box"** concept, offering a hands-on introduction to metal casting. The display captivated students and educators alike, sparking curiosity about foundry work and its role in modern industry.

A special highlight for AIE was the outstanding contribution of Riddhi Panchal, a Graduate Diploma of Engineering student who took the initiative to represent the institute as an ambassador. Riddhi shared her positive experience of studying at AIE, speaking with visitors about the supportive learning environment, practical training, and personal growth she has gained through her studies. Her passion and professionalism reflected the values of AIE and left a lasting impression on many attendees.





## 2. AIE at the South Australia Career Expo

We're pleased to share that **AIE (Australian Institute of Engineering)** participated in the recent **South Australia Career Expo**, proudly sharing a stand with our valued industry partner, the **Boating Industry Association (BIA)** talking about **Marine Jobs**.

Together, we showcased exciting career pathways in the marine, boating, and shipbuilding sectors, engaging with students, job seekers, and career changers. The event was a great opportunity to promote the wide range of opportunities in these growing industries and to highlight the training and support available through AIE.

We look forward to continuing our strong partnership with BIA as we help shape Australia's future maritime workforce.



### 3. Exciting News: Tasmania Funding Application Approved!

We are thrilled to share that our **application for training and education funding in Tasmania has been approved!** This marks a major milestone in our mission to expand access to quality engineering and trade education in the region.

With this funding, we will be able to offer **more subsidised training opportunities**, create **new pathways for apprentices**, support **upskilling for existing workers**, and strengthen our partnerships with local industries. This approval reflects our commitment to delivering **nationally recognised, hands-on training** that aligns with the needs of Tasmania's workforce and communities.

We look forward to working closely with our new Tasmanian partners and welcoming students who are ready to take the next step in their engineering or trade careers.

Stay tuned as we roll out these exciting new programs—together, we're building the future of skills development in Tasmania!



## 4. New Feature: Employers Can Now Access Student Progress via LMS


We're pleased to announce an exciting update to our Learning Management System (LMS): **employers can now directly access the progress of their apprentices and trainees!**

This new feature provides employers with real-time visibility into student achievements, course completion rates, and ongoing learning milestones. It's part of our commitment to strengthening collaboration between AIE, students, and industry partners — ensuring everyone stays informed and engaged throughout the training journey.

### **What this means for employers:**

- Transparent tracking of student progress
- Easy access to performance data
- Enhanced ability to support apprentices in their learning

We look forward to working with our employer partners to make the most of this new capability.

 If you'd like assistance accessing student progress data through the LMS, please contact our team for support or email us at **[apprenticeships@auie.edu.au](mailto:apprenticeships@auie.edu.au)**.

## 5. Apprentice Achievement: Damon Hine Completes Certificate II in Engineering

We're excited to celebrate the success of one of our hardworking apprentices, Damon Hine, who has officially completed his MEM20105 Certificate II in Engineering - Traineeship!

Damon undertook his training while working at Hargo Engineering, where he gained valuable on-the-job experience alongside his formal studies. Throughout the program, Damon showed dedication, curiosity, and a strong commitment to building his skills in the engineering trade.



**"I'm really happy to have completed my Certificate II,"** Damon shared. **"It was a great experience studying at AIE and I've learned a lot."**

We extend a heartfelt thank you to the team at Hargo Engineering for supporting Damon's learning journey and providing a workplace environment that fosters growth and skill development.

**Congratulations, Damon — we're proud of your achievement and look forward to seeing what you accomplish next!**



## 6. Oscar Forbes Secures 2nd Place at South Australian Frostbite Regatta

Early this June, over the long weekend, one of our talented students, **Oscar Forbes**, proudly represented his home state at the **South Australian Frostbite Regatta**. The two-day event was held at the **Adelaide Sailing Club**, where Oscar and his crew member, **Nick**, were the only competitors travelling from interstate.

From the outset, Oscar and Nick were met with challenging conditions. Extreme winds on Day 1 led to the abandonment of racing for the day. However, demonstrating resilience and determination, they returned for Day 2 despite similarly tough conditions. The winds remained strong, but the fleet took to the water and completed three intense races.

Among a competitive fleet of eight boats, Oscar's skill and perseverance shone through. He finished the regatta in an impressive **second place**, making the journey and the effort all the more rewarding.

Congratulations to Oscar and Nick on this outstanding achievement!



## 7. Staff Spotlight: Brett Ambrosio

### Meet Brett Ambrosio – Executive Director of Education at AIE

If there's one thing you should know about **Brett Ambrosio**, it's this: he doesn't just talk about training — he lives it.

One minute, he's helping shape national education strategies. The next, he's in the workshop with first-year apprentices, getting his hands dirty, answering questions, and reminding everyone that great leaders lead by doing.



**"I love being involved in all parts of AIE," Brett says. "From working with the Executive team to launching training programs, to teaching our newest apprentices — it's the full circle."**

Brett's passion isn't limited to the four walls of the institute. He's on the road often, travelling across states to visit apprentices on-site and meet with business owners. That personal connection to learners and industry partners keeps his work fresh — and focused.

Ask him about a proud moment, and he won't talk about personal achievements. Instead, he'll point to AIE's win at the **Victorian Training Awards** and becoming a **finalist at the national level**. **"That was huge," he says. "It showed that our work in niche areas of engineering is making a real difference."**



But Brett's eyes are firmly on the future. As engineering and manufacturing evolve, he's focused on building training that moves with the times. **"Automation and robotics are changing the landscape,"** he says. **"Our job is to make sure our students and industry are ready — not just reacting."**

And when he's not driving innovation or inspiring apprentices? You'll find him out on the football field with the **Vic Park Pigs (WA Masters)** or mid-renovation on his latest home project. "It's active, it's rewarding — it's a different kind of building," he grins.

From high-level planning to grassroots training, Brett brings energy, vision, and a whole lot of grit. He's not just helping shape AIE — he's helping shape the future of engineering training in Australia.

## 8. Course of the Edition: Diploma of Engineering – Technical (MEM50222)

**Are you ready to take the next step in your engineering journey?**

The **Diploma of Engineering – Technical (MEM50222)** is designed for individuals who want to develop advanced technical skills and knowledge in engineering design and manufacturing. This nationally recognised qualification provides a pathway to roles such as **Engineering Technician, CAD Designer, or Technical Officer**, and can support further study in engineering and related disciplines.

**This course covers areas such as:**

- Engineering design and drafting using CAD
- Applied mechanics and materials
- Quality control and project planning
- Technical problem-solving in real workplace settings

**This qualification is ideal for:**

- Apprentices or tradespeople looking to upskill
- School leavers pursuing a technical pathway
- Employers seeking to build advanced capabilities within their workforce

**Interested in enrolling or want to learn more?**

Visit our course page here: [Diploma of Engineering – Technical \(MEM50222\)](#)

For expressions of interest or enquiries, please contact: Brett Ambrosio at [bambrosio@auie.edu.au](mailto:bambrosio@auie.edu.au) or +61 466 260 795



## 9. Australian Manufacturing & Fabrication Industry Updates

**Australia's manufacturing sector is seeing significant momentum with new initiatives, investments, and advancements across key industries:**

- **Domestic Steel & Manufacturing Strategy**

Trade Minister Tim Ayres emphasized strengthening local steel manufacturing amid international tariff pressures. The federal government's \$500 million initiative supports domestic capacity—especially in energy transition sectors like wind turbines—and encourages both public and private use of Australian-made steel.

- **Defence Manufacturing Boom in Adelaide**

BAE Systems is expanding its Edinburgh Parks precinct in Adelaide, adding capabilities such as a security operations centre and enhanced missile production lines, creating jobs and boosting sovereign defence capability.

- **AUKUS Submarine Shipyard Progress**

South Australian Premier Peter Malinauskas is urging federal action to advance the AUKUS nuclear submarine shipyard at Osborne, alongside a \$500 million skills academy, to meet regional defence and construction demand.

- **National Additive Manufacturing Investment**

The Australian government has pledged AUD \$271 million (including a \$58 million initial commitment) to the Additive Manufacturing CRC, reinforcing Australia's leadership and standard-setting in 3D printing technologies.

- **Automotive & Aerospace Production Expansion**

Hanwha Defence Australia is producing Advanced Howitzers and ammunition platforms in Geelong, marking a significant return of heavy vehicle manufacturing to the region. Meanwhile, nationwide efforts continue to support spacecraft manufacturing and precision missile production.



# Join the AIE Community!

Whether you're a student, graduate, or industry partner — **there's a place for you at AIE.**

## Get involved by:

- Attending events and workshops
- Partnering with us for training or apprenticeships
- Sharing your story to inspire others

Follow Us on



**Let's grow,  
connect, and  
shape the future—together.**