

WELCOME TO
**THE AIS INDUSTRY FOCUS 360
SERIES OF WEBINARS**

INDUSTRY: ESI GENERATION

THE WEBINAR WILL COMMENCE SHORTLY

PANEL MEMBERS



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AGENDA

1

Scene setting

2

ESI
Generation
industry

3

IRC skills
focus

4

Q&A

5

Wrap up

6

Engagement
hub

SCENE SETTING

1

VET sector **supports** Australia's industry through upskilling and reskilling

2

The **double disruption** of digital transformation and COVID-19 will mean VET is more important than ever

3

Industry Reference Committees (IRCs) are the **conduit to industry** in developing skills standards

4

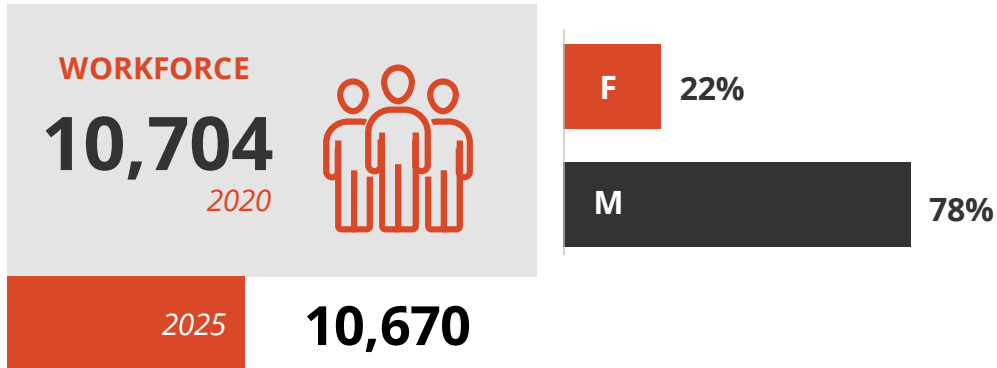
Industry engagement ensures **skilled labour meets industry needs, supporting individuals** with their careers

QUALIFICATION DEVELOPMENT PIPELINE



Australian Industry Standards, as a Skills Service Organisation, supports and facilitates the delivery of this work on behalf of each IRC, throughout the stages from skills identification to qualification approval. We also provide guidance to Registered Training Organisations to support the implementation of new or updated qualifications and skills standards.

ESI GENERATION SECTOR



At **43.8 years old**, the typical worker is 3 years, 2 months older than the national average. The workforce is ageing at 0.6 times the national rate.

-0.3%

EMPLOYMENT
GROWTH TO 2025



INDUSTRY VALUE

\$

REVENUE
\$14.13B

VALUE ADD
\$3.72B



ESI GENERATION SECTOR

Electricity generation constitutes an integral part of the Australian economy. The industry works across fossil fuel and renewable generation – moving towards carbon-free options. The sector encompasses traditional forms of power generation along with new technologies in wind, solar and hydrogen to enable a sustainable power supply.

1. Industry trends and issues
2. Forecast workforce need
3. IRC's role in addressing skills needs



ESI GENERATION IRC SKILLS FOCUS



The energy sector's transition to renewables is among the top five key shifts in the Australian economy. Wind turbines are increasing as an energy source and have a greater capacity across the industry. The workforce needs to be upskilled and retrained in the operation of existing and emerging renewable technologies and be able to adapt to new systems and processes.



Australia has committed to reducing its CO₂ emissions to 26-28% below 2005 levels by 2030. The Electricity sector accounts for 33% of Australia's total emission. The workforce needs to be skilled in the implementation, operation, and maintenance of renewables technologies.



The ESI Generation industry is increasing its use of automation and digitalisation. Sensors and digital devices are being deployed to diagnose issues and optimise operations. Installation of such equipment highlights the role of data analytics and digital literacy. Upskilling the current and future workforce will be essential to meet new skill demands.

ESI GENERATION IRC SKILLS FOCUS



The Generation industry is transforming its operational technology environments, relying increasingly on automation and digital technologies. The industry needs to have a robust cyber security strategy and build industry-specific cyber security awareness.



Supplying remote areas and communities with affordable and reliable electricity is a significant task. As microgrids are becoming more reliant on renewable energies and new technologies, the workforce will require new skills to support ongoing power generation maintenance and repair.

Q

&

A

20 Minutes session

CONTACT US

Discussion starter [survey now open](#) for your feedback.

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