

# TAFE TALKS WEBINAR – ASIA PACIFIC RENEWABLE ENERGY TRAINING CENTRE (APRETC)

**Bill Mundy**

Associate Director Partnerships and Growth

21/06/23

# A Rich History



150 years old

- School of Mines Ballarat founded in 1870
- 3<sup>rd</sup> oldest provider of Higher Education in Australia

8 years young

- Federation University launched 1 January 2014
- extended reach and campus footprint

# An Australian university, with a regional heart



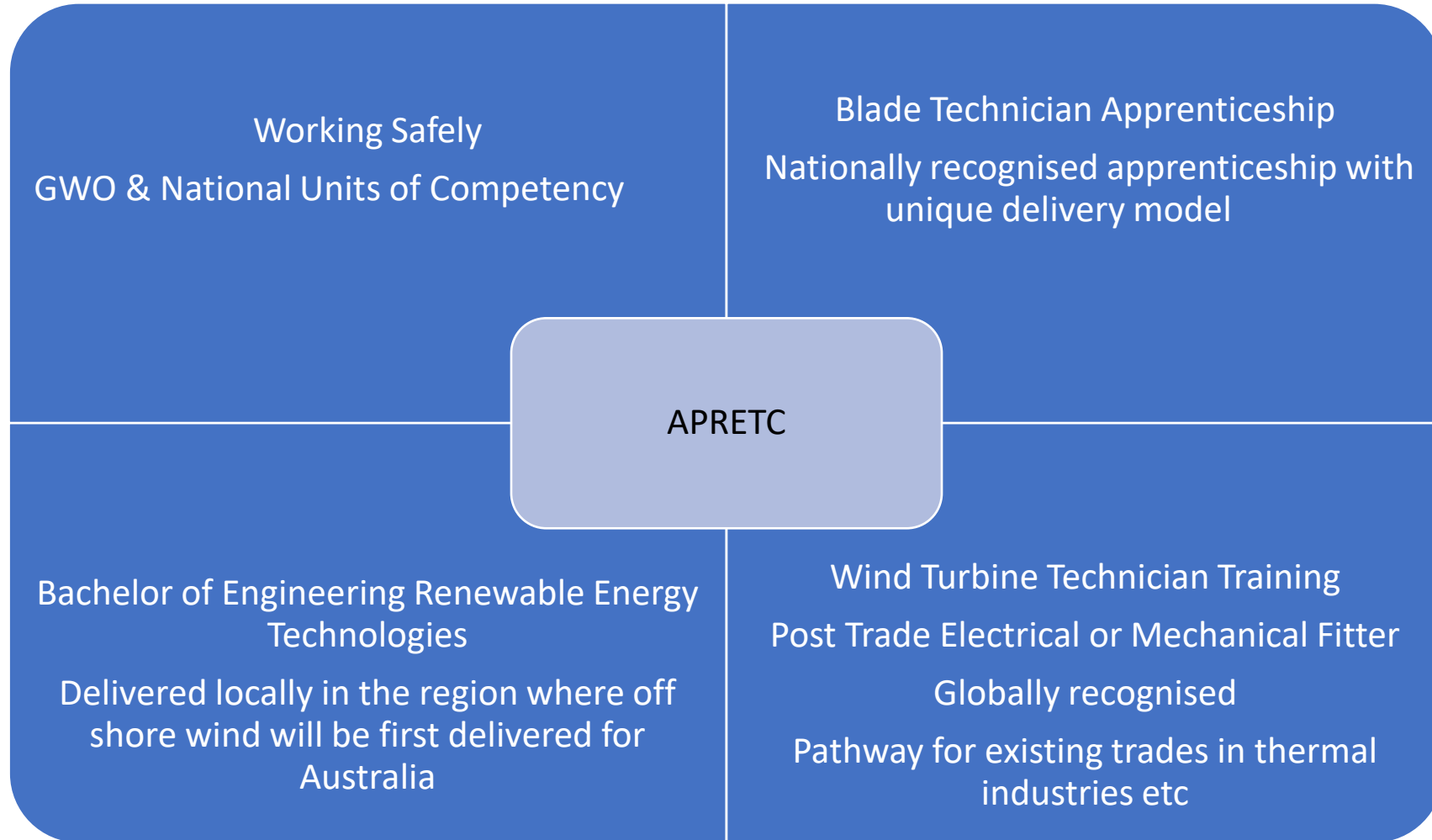


# Asia Pacific Renewable Energy Training Centre (APRETC)

- Initial business case and industry consultation commenced from 2016
- Victorian Renewable Energy Auctions (VREA's) enabled industry funding of \$1.8M
- Australian and Victorian training systems had little to no response to the Wind Energy Sectors training needs.
- Globally industry had come together - Global Wind Organisation (GWO - Denmark) and Training Centre for Renewable Energy Non-Profit Association (BZEE - Germany)
- Industry consultation identified 3 distinct areas of need:
  - Working safely at heights (GWO)
  - Blade Technician Training (GWO)
  - Wind Turbine Technician Training

Advent of Off Shore Wind (OSW) in Gippsland see's engineering become part of the offerings

# APRETC Framework for Delivery



# APRETC – Stage 1.

Working safely at heights:

- GWO Qualification
- National Units of Competency embedded:
- Working at heights
- First Aid
- Manual Handling
- Fire Extinguisher
- Tower funded by industry

23mtrs tall, multiple ladders and internal decks, simulations of rear exit and over nacelle side evacuation possible





# APRETC Stage 1a

## Blade Technician Training

- World First Apprenticeship
- MEM31119 Engineering Composites
- Unique delivery model
- Refitted existing building
- Pathway for entry to the industry
- Aerospace and Marine applicability





# APRETC Stage 2

Wind Turbine Technician Training

Teacher returned from USA

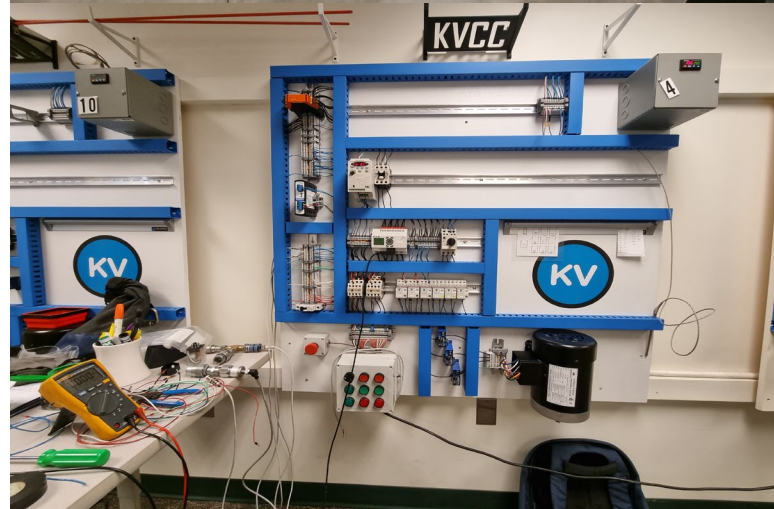
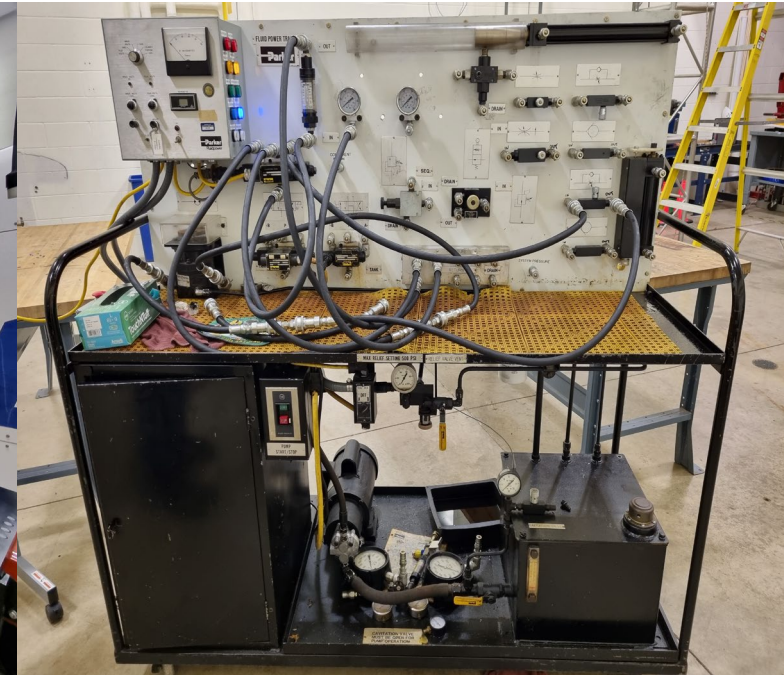
Building qualification in 2023

Deliver scheduled for 2024

6 mth program

Post trade electrician or Mech Fitter

Global Qualification





# Engineering deliver

- Off Shore Wind has driven the need for a local solution
- Feasibility license applicants eager to support localised solution
- Developed with a pathway in mind from Vocational Education – Certificate IV and Diploma
- Skillset deliver being considered for existing thermal energy employees to transition to renewables
- Delivery planned for 2024 in Gippsland
- Bringing Vocational / Tech Schools and Higher Education into the one Campus
- Community education needed to change perceptions and drive local enrolments.

# Thank you

[b.mundy@federation.edu.au](mailto:b.mundy@federation.edu.au)

+ 61 400792714

Associate Director Partnerships and Growth