



Kickstart your career with CSIRO's Industry PhD

Earn your PhD in partnership with industry, a leading university, and Australia's national science agency, CSIRO.

The CSIRO Industry PhD Program (iPhD) is a research training program, focusing on applied research that benefits industry by solving real-world challenges. It aims to produce the next generation of innovation leaders with the skills to work at the interface of research and industry in Australia.

The opportunity

- Admission to a university PhD program
- A four-year scholarship valued at \$46,000 per annum (2024 rate)
- A project expense and development package of up to \$13,000 per annum
- Supervision by CSIRO, an industry partner and the host university
- A 60-day Industry Engagement component with the industry partner
- A structured professional development and training package

Successful students will receive a PhD on completion.

Eligibility requirements

- The student must:
- Be an Australian citizen or Permanent Resident, or a New Zealand citizen.
 - Meet participating university PhD admission requirements.
 - Meet university English language requirements.
 - Not have previously completed a PhD.
 - Be able to commence the Program in the year of the offer.
 - Enrol as a full-time PhD student.
 - Be prepared to be located at the project location(s) that the host university has approved and, if required, comply with the host university's external enrolment procedures.
 - Be prepared to undergo onboarding to CSIRO, which will include passing mandatory government background checks (allow for between 4 to 8 weeks) and complete any other CSIRO requirements.

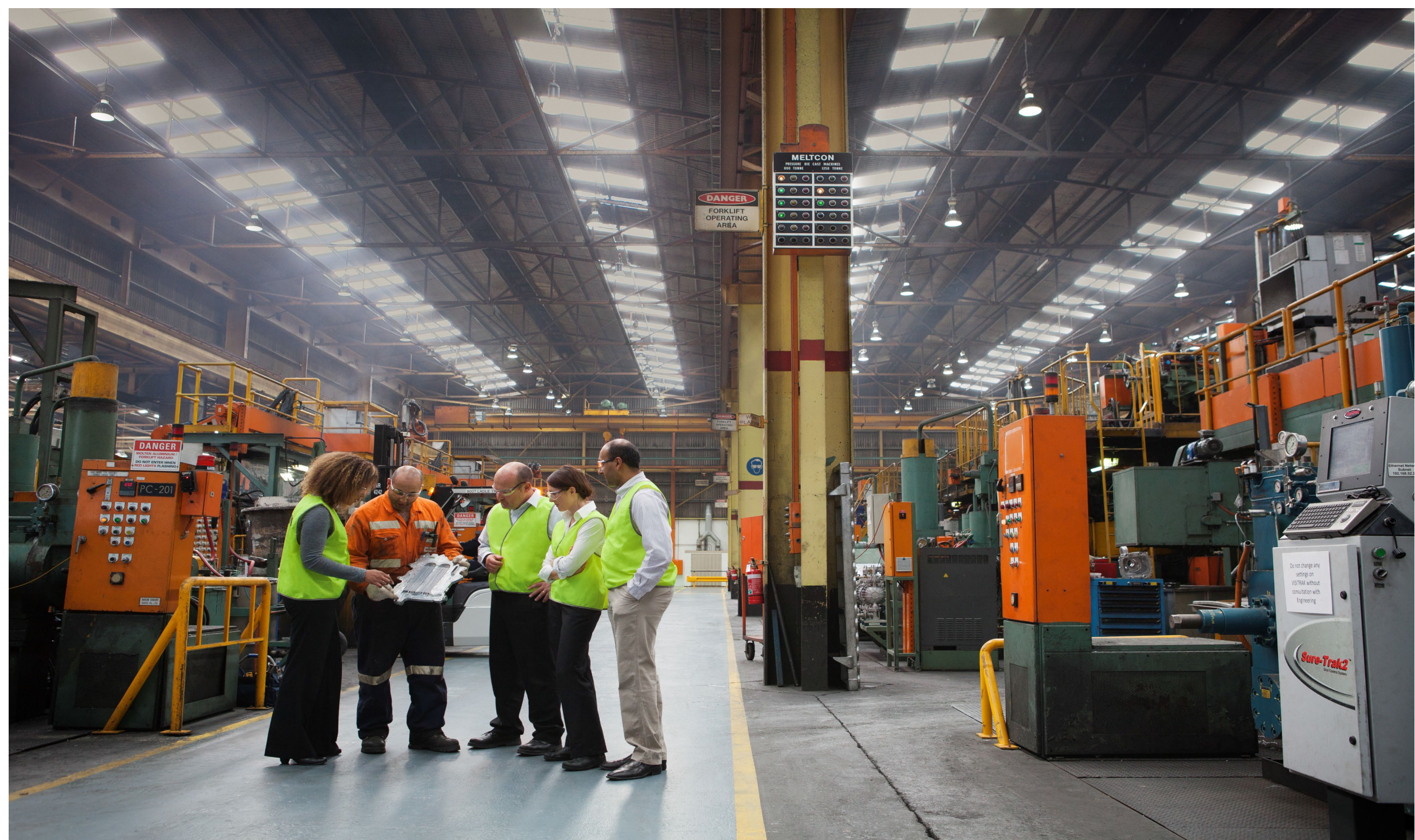
Application process

- Applicants submit an expression of interest (EOI) by emailing the university supervisor, or by following the instructions on the university's webpage, when available. Applications are open until position is filled.
- The EOI is assessed by the supervisory team and shortlisted applicants are interviewed.
- The supervisory team nominates a preferred applicant
- The application is assessed by the university against PhD admission criteria.
- The university will issue a letter of offer for the program if all conditions have been satisfied.

Project overview

Thermodynamics of Hydrogen Mixtures in Storage & Transport Applications

This project will examine the data and models used to calculate the thermodynamics of hydrogen mixtures, including those found in underground storage, pipelines and liquefaction processes or other industrial processes used to produce various hydrogen vectors. It will acquire new data and/or develop improved thermodynamic models in knowledge gaps identified.



SUPERVISORY TEAM DETAILS	
The University of Western Australia	Michael Johns michael.johns@uwa.edu.au
CSIRO	Lionel Esteban lionel.esteban@csiro.au
Future Energy Exports CRC Limited	Eric May eric.may@fenex.org.au https://www.fenex.org.au/

Ideal student skillset

Preferred background in chemical engineering, physics, chemistry or mechanical engineering.

PROJECT LOCATIONS	
Primary location	The University of Western Australia, 35 Stirling Highway, Crawley WA 6009, Australia
Industry Engagement component location	Wood, 240 St Georges Terrace, Perth WA 6000, Australia
Other locations	CSIRO, Energy Resources, 26 Dick Perry Avenue, Kensington WA 6151, Australia



- FOR FURTHER INFORMATION
- Visit the [iPhD website](#)
 - Contact the project's supervisory team
 - Contact the [iPhD team](#)

