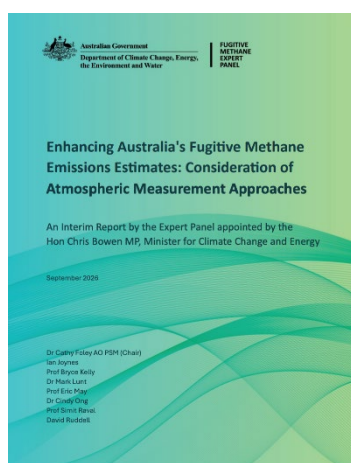




FEnEx CRC News • September 2026



Interim report released by Expert Panel on Atmospheric Measurement of Fugitive Methane Emissions

The [Expert Panel on Atmospheric Measurement of Fugitive Methane Emissions in Australia](#) has published its interim report that looks at the growing range of 'top-down' approaches to detecting and quantifying fugitive methane emissions from coal, oil and gas sector activities. The report also explains how the Panel is approaching its work, explains the concepts, challenges and complexities of its work, and shares the Panel's initial insights from its work to date. Access the report [here](#).

For those interested in learning more about the report, Panel Chair, Dr Cathy Foley AO PSM, and members of the Expert Panel will be hosting an online webinar on 14 October, 1–2pm, to present the report's findings. Register for the webinar [here](#).



Sharing FEnEx CRC knowledge globally through the SPE Distinguished Lecturer tour

This month, Eric commenced his Society of Petroleum Engineers (SPE) Distinguished Lecturer tour. As one of over 25 lecturers nominated by their peers and then selected to participate in the program, he will this year be travelling to selected SPE Chapters around the world to share his knowledge and expertise with SPE members.

Starting his tour in India, Eric presented to the SPE Bangalore Chapter followed by the SPE Dhaka Chapter in Bangladesh. About 70 people attended the talk in Bangalore and 50 in Dhaka.

Eric's presentation, *Cool Learnings: How LNG Fundamentals Are Advancing the New Energy Technologies of Liquid H₂ and CO₂ Transport*, explores how technologies and lessons from the LNG industry are central to the development of future CO₂ and hydrogen supply chains. A common feature of the three primary molecules, H₂, CH₄ and CO₂, central to future energy and decarbonisation supply chains is the need to store, transport and handle them as cryogenic liquids. The associated engineering challenges vary with each fluid, given their significantly different temperature and pressure ranges, likely impurities, and the technical maturity of the associated liquefaction and storage systems. However, there are many commonalities and opportunities for concepts proven by the well-established LNG industry to be tested for decarbonisation applications. Many of the "cool learnings" explored build on research done through the Future Energy Exports CRC.

In 2027, Eric has been invited to give the talk at SPE Chapters in Europe, including The Netherlands, Ireland, Denmark, Greece, Poland and Romania.

For a full schedule and list of speakers, visit the [SPE Distinguished Lecturer website](#).

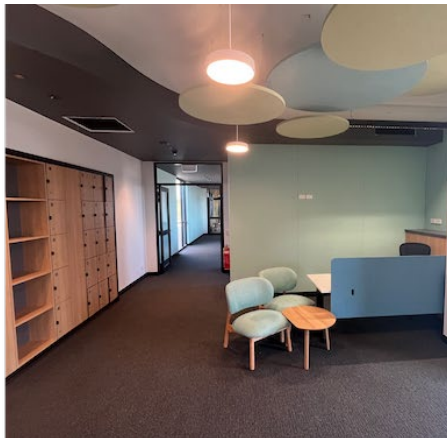
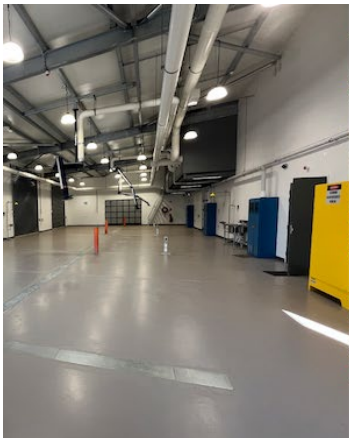


SPE WA Season Opening 2026 and Timor-Leste Student Lab Tour

2026 marks the fourth year that FEnEx CRC has sponsored the SPE Timor-Leste Chapter's scholarship program, which provides students with a range of practical items to support their studies.

It was therefore a great pleasure to attend the SPE WA Season Opening and present the 2026 Timor-Leste scholarship to Ivania Pereira Tilman, FEnEx CRC's associated student winner, who has travelled from Timor-Leste to Perth as part of an educational trip with other scholarship winners.

On Friday 18 September, FEnEx CRC welcomed all 17 SPE Timor-Leste Scholarship winners, accompanied by SPE WA Chair, Orla McSharry, for a tour of the Research Facilities conducting FEnEx CRC projects at UWA. They were hosted by Eric May and CRC Foundation Fellow Bruce Norris.



Progress update: Kwinana Energy Transformation Hub (KETH)

Progress on KETH continues steadily, with the R&D and Training Facility (Stage 1) progressing to site handover, which is scheduled to occur in October.

During September, the workshop laboratory was completed, landscaping and line marking was finalised, and the fit out of the office area was completed.

The KETH Process Plant (Stage 2) is on schedule and progressing well through detailed design. Orders for long lead items have been placed and engagements with regulators are well underway.



Participate in the 2026 Australian Hydrogen Day

On 8 October, you are invited to celebrate Australian Hydrogen Day at Murdoch University, hosted by the WA Hydrogen Society of Australia Chapter.

This year's program will explore key themes shaping the future of hydrogen, including:

- development of the hydrogen ecosystem.
- integration of hydrogen with e-fuels and green steel
- progress in hydrogen safety and standards
- national and international collaboration

The program will feature a diverse group of speakers and contributors from Australia and overseas, including representatives from the United Nations Headquarters in Austria, international hydrogen vehicle technology companies, global aviation, research organisations, and national, state and regional governments.

Find out more [here](#).

PhD Completion



Congratulations to Waqar Khan, a PhD candidate in School of Science, Computing and Engineering Technologies at the Swinburne University of Technology, for completing his PhD thesis, Contextualisation and Digital Twin Framework for Sustainable and Resilient Hybrid Renewable Energy Systems.

Waqar's work involves simulating real-time energy operations using historical and live data to optimize the integration of solar, wind, and hydrogen resources while minimizing costs and CO2 emissions.

A key focus of his research is on scalable optimisation and contextual data filtering techniques, enabling improved performance and adaptability of energy systems under variable environmental and operational conditions.



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