



UNIVERSITY OF
NEWCASTLE

NIER

Newcastle Institute for Energy and Resources (NIER)

At NIER, we harness the power of multidisciplinary research and industry collaboration to tackle pressing global challenges. Our work is focused across three key thematic areas:

RESEARCH CAPABILITIES

- **Powering the Future:** Unlocking new energy solutions, new economies and a net zero future through innovative technologies, materials and fuels
- **Next Generation Resources:** Meeting the resource needs of the future through sustainable innovations that support our minerals, metals, food and water sectors
- **Environmental Sustainability and Security:** Balancing environmental, economic and social priorities to protect regional resilience, sustainability and prosperity

PROVEN IMPACT

- **World Class Research Facilities:** NIER is a 3.8ha industrial innovation precinct of research laboratories, glasshouses and pilot scale workshops offering unique opportunities for industry focused applied research, demonstration and training.
- **Industry Collaboration:** NIER research groups are engaged with over 195 active industry partners addressing research challenges in the energy, resources, food and water sectors. 19 partners are international.
- **Research Education:** there are over 219 PhD students supported by NIER research groups, including cohorts of students in the Doctoral Training Centres focused on Resources, Energy and Food and Agribusiness.
- **Innovative Solutions:** 126 research projects are active within NIER, working on a diverse range of solutions for the energy, resources, food, water and environmental sectors, in Australia and beyond.

“When NIER look at a problem they come with a pretty broad understanding of what that problem actually needs to be solved, and so not only do NIER get a good stream of research tasks, but also industry get some really practical, innovative solutions to real day problems. It’s a mutually beneficial relationship.”

- Mr John Richards, Chairman of Bloomfield Group and member of NIER’s Advisory Board.



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