

# **NIER**

# **SOLUTIONS FOR GLOBAL CHALLENGES**



THE UNIVERSITY OF  
NEWCASTLE  
AUSTRALIA

**nier**

SOLUTIONS FOR GLOBAL CHALLENGES  
ENERGY RESOURCES FOOD WATER

**VISIT** [NEWCASTLE.EDU.AU/NIER](http://NEWCASTLE.EDU.AU/NIER)



## WHAT WE OFFER

### WORLD CLASS RESEARCH

NIER facilitates multidisciplinary problem solving and access to large-scale specialised research infrastructure to mobilise market-ready solutions.

### INDUSTRY COLLABORATION

As the vital link between academia and industry, NIER activates collaboration and collective capacity to underpin research translation.

### RESEARCH EDUCATION

NIER is focused on delivering research education and training to meet workforce needs of future industries.

### INNOVATIVE SOLUTIONS

NIER drives technology transfer and impact at scale to improve social, economic and environmental outcomes for sectors of global significance.

## RESEARCH CAPABILITY AREAS

Through the research of more than 18 groups and centres that form NIER, we harness collective capacity to facilitate activities that enable the University to drive impact and deliver next generation resources to support resilient regions. Our research expertise is offered in four key capability areas:

## OUR OBJECTIVE

At NIER, we believe global challenges require regional solutions. Our objective is to strengthen regional resilience through the delivery of sustainable solutions for global challenges related to energy, food and water security, and resource sustainability through collaborative research, translation and education.

## THE NIER PRECINCT

Located at the University of Newcastle's Callaghan campus, NIER is a 3.8 hectare industrial innovation precinct. Extensive research laboratories, glasshouses and pilot scale workshops offer unique opportunities for industry focused applied research, demonstration and training.



**INDUSTRY ENGAGED  
RESEARCH  
COLLABORATIONS**

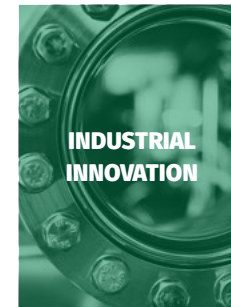


**SUPPORTING SECTORS  
OF NATIONAL  
SIGNIFICANCE**

ENERGY, RESOURCES,  
FOOD & WATER



**INDUSTRY EMBEDDED  
DOCTORAL TRAINING  
CENTRES**



Unlocking sector potential with a generation of new materials, processes, technology and services.



Solutions to reduce waste and optimise the use of the world's resources.



Transferring the latest technology into sectors of significance for sustainability and competitive advantage.



Balancing environmental, social and economic activity for regional resilience.

## CONTACT NIER

Phone: +61 2 4033 9000

Email: [nier@newcastle.edu.au](mailto:nier@newcastle.edu.au)

**nier**

SOLUTIONS FOR GLOBAL CHALLENGES  
ENERGY RESOURCES FOOD WATER

**VISIT [NEWCASTLE.EDU.AU/NIER](http://NEWCASTLE.EDU.AU/NIER)**

CRICOS Provider 00109J