

Introduction to RACE for 2030



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We are pleased to introduce you to RACE for 2030 (RACE) Cooperative Research Centre (CRC).

RACE is a collaboration of over 80 innovative organisations committed to leading Australia's transition to a reliable, affordable, clean energy future.

RACE's research focuses on the challenges and opportunities in demand side integration and management to improve outcomes for individual and business users of energy and the grid. We want our legacy to be transformative, and a lasting change in boosting energy productivity and decarbonisation of energy services.

Join us if you:

- are committed to innovation
- want to work with the best researchers in Australia and other RACE partners to achieve exceptional outcomes and inform strategic decision making
- would like to leverage your investment threefold.

This document tells you how you can benefit from being in the RACE in three sections:

1. Cooperative Research
2. Projects
3. Partners

We look forward to working with you to build powerful collaborative research that achieves impact, addressing the dual crises of climate change and energy affordability.



Jonathan Jutsen CEO

RACE for 2030



1. Cooperative research

About Cooperative Research Centres

The Cooperative Research Centres (CRCs) program was created in 1990 by the Commonwealth Government to harness the collective value of government, research and industry. The aim is to enable growth and productivity for globally competitive industries. There are over 20 CRCs currently in operation and 300 CRCs created to date.

Each CRC

- is a medium to long-term industry-led collaborative research program of projects
- aims to solve industry identified problems
- aims to improve the competitiveness, productivity and sustainability of Australian industries
- increases research and development (R&D) capacity in small to medium enterprises (SMEs)
- encourages industry take up of research
- includes an industry-focused education and training program, including a PhD program that builds capability and capacity.




RACE has a 10 year life from 2020 to 2030 and has a \$68.5 million AusIndustry grant for our energy transition.



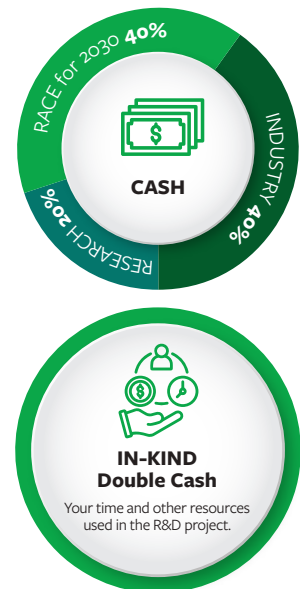
RACE cooperative research funding

\$43m and 82 projects contracted (@ Aug 2023)

Cash and in-kind funds committed for 10 years that industry can access

AusIndustry Commonwealth Grant	
 \$68.5m Cash	\$0 In-kind
Research institution partners to date	
 \$14m Cash	\$50m In-kind
Industry partners to date	
 \$30m Cash	\$125m In-kind

How a research project is funded



With the above partners committed and the potential to conduct over \$200m of research RACE is ready to work with industry on your energy transition. As at August 2023, 82 projects totalling \$43m have been contracted. 2023 has seen 4 priority research projects commence and we are already seeking additional use case demonstration partners for these in 2024 and 2025.



2. Projects

RACE has five programs of R&D projects

BUSINESS



HOMES



NETWORKS



EVs



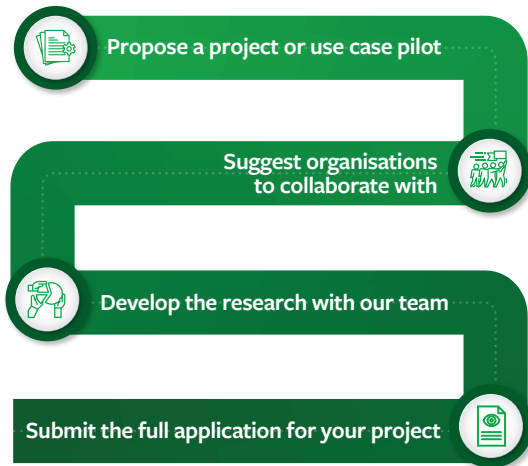
CHANGE



There are three ways you can participate in these 5 programs to accelerate your energy transition:

- Develop your own R&D project
- Join a RACE priority project as a pilot or project partner
- Be part of multiple R&D projects

Project pathways



Benefits

- Access research and development funds & capacity
- X3 Leverage your funds 3 times
- Participate in applied real world projects
- Create policy relevant outcomes to drive market transformation
- Make connections. Increase your exposure to innovators

RACE for 2030 research outcomes will provide you knowledge to help guide your business decisions. It is designed and performed jointly with you to your particular business needs and development.

Projects and cooperative partners

Leverage financial resources: A CRC helps you with your research and development by leveraging your financial resources with Commonwealth funds while accessing the best researchers to address your industry needs. Nine leading research partners across Australia will apply their research skills to collaboratively investigate your industry problems and develop solutions.

RACE helps identify and find

Industry partners

Best researcher(s)

Be connected with the leading edge of research in Australia



Develop your own project

1. Locate the area of your industry problem, research question or innovation in the table below, or just write your challenge below



RACE for Business

Digitalising industry

Decarbonising business and supply chains



RACE for Homes

Mainstreaming efficient electric homes

Engineering smarter homes



RACE for Networks

Designing future networks

Developing local grid solutions



RACE for EVs

Optimising transport and power use

Integrating electric vehicles with the grid



RACE for Change

Incorporating end-users in whole of system design

Transforming systems through innovation

Building a net zero workforce

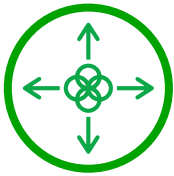
Note: This list is not exhaustive. If you have something that meets the broad objective of the topics above, please get in touch with us.

Alternatively, describe the challenge, problem or opportunity to a RACE team member directly.

2. Answer three questions to get started

- i. What is the hypothesis / model / solution / tech you want to test?
.....
- ii. Are there any researchers or universities you are already working with?
.....
- iii. What kind of partners would be good to have involved in this problem solving cooperative research?

Contact us to start your conversation.
If you are stuck on questions – don't worry – that is where we can help.



Join a RACE priority project

- A RACE priority project is a large cooperative R&D project
- They typically have 3-6 research and industry partners. They also have 3-6 applied research pilots
- Once the project is up and running we then look to add additional pilots
- The links below take you to current priority projects which are looking to add pilots in 2024/25.

Take a look and contact us about participating in a pilot



Become a RACE partner until 2030 – ask us how

- Are you interested in being involved in several projects?
- Do you have an ongoing focus on energy/carbon innovation as a company, and would like better visibility of our research program as an ‘insider’ or core partner?
- Would you like to have a say in how RACE runs and have a chance to participate in our research advisory council and/or have ongoing participation?

Then let’s talk about you joining as a RACE partner through to 2030. In this role you will contribute quarterly to RACE and get inside access to research as it develops. Collaborate with leading industry bodies to influence future outcomes for Australia.



3. RACE partners

Who is already taking advantage and ensuring their future?

9 research institutions from NSW, VIC, QLD, WA, SA

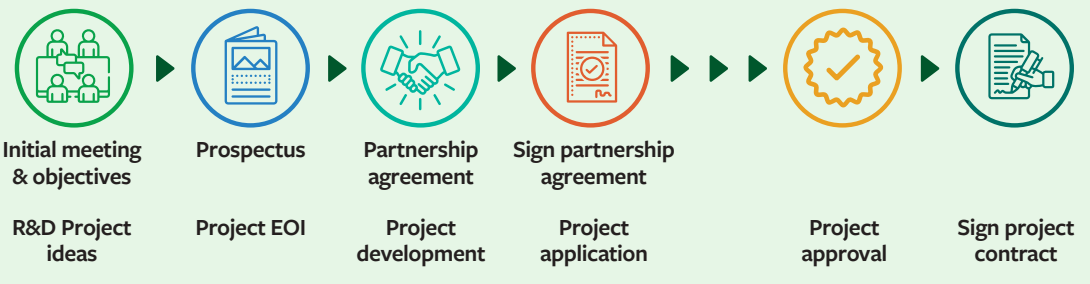
6 electricity network companies from WA, SA, VIC, NSW, QLD

65+ industry partners

CORE PARTNERS

SUPPORTING PARTNERS

The R&D investment process



You can start a conversation by

- Emailing your quick responses to the questions on the previous page
- Set up a meeting with us

Contact us



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