

# UNDERPINNING THE GROWTH OF AUSTRALIA'S BLUE ECONOMY



Australian Government  
Department of Industry,  
Science and Resources

**AusIndustry**  
Cooperative Research  
Centres Program

# Tapping into the Potential of Australia's Sustainable Oceans

## The opportunities to grow the blue economy are vast

Australia, with the World's third largest Exclusive Economic Zone and New Zealand, have enormous potential to use their oceans sustainably to increase seafood and renewable energy production.

Realising this potential requires moving offshore into new and more exposed high-energy operating environments requiring new production systems that can withstand both regular and extreme weather events, while being safely and economically managed.

Through targeted and industry focussed research and training, the Blue Economy CRC paves the way for innovative, commercially viable and sustainable offshore developments and new capabilities that will see significant increases in renewable energy output, seafood production and jobs that will transform the future of Australia's traditional blue economy industries.

## Who We Are

Established in 2019, Blue Economy CRC is an independent not-for-profit company limited by guarantee and is a Cooperative Research Centre under the Australian Government's CRC Program.

With a 10-year life, the Blue Economy CRC brings together 44 industry, government and research partners from ten countries with expertise in aquaculture, marine renewable energy, maritime engineering, environmental assessments and policy and regulation.



## Our Participants



# Research Programs



## Offshore Engineering and Technology

*Generating the infrastructure that supports the development of offshore systems.*

The Offshore Engineering and Technology program brings together industrial engineering expertise to collaborate with the aquaculture and offshore renewable energy sectors to build the required infrastructure for integrated offshore operations.



## Seafood & Marine Products

*Developing offshore aquaculture systems that provide viable and sustainable growth opportunities.*

The Seafood and Marine Products Program supports existing industries move offshore and develop, test and evaluate innovative production and processing systems for a range of seafood species.



## Offshore Renewable Energy Systems

*Building Australia's offshore renewable energy opportunities with technologies to assist the decarbonisation of offshore industries.*

The Offshore Renewable Energy Systems program is advancing the technological and commercial readiness of emerging offshore renewable energy technologies, so they can fulfill their potential to decarbonise offshore industries, including aquaculture, and export energy as electricity and hydrogen.



## Environment & Ecosystems

*Managing the environmental footprint of the infrastructure, culture systems and energy generating devices used by offshore industries.*

The Environment and Ecosystems Program offers an integrated, whole of life-cycle, adaptive approach to placement, operation and decommissioning of offshore infrastructure and livestock. Novel monitoring systems will deliver real-time data and information for use by government, industry, and the public.



## Sustainable Offshore Developments

*Developing regulatory frameworks and ensuring operations at highest environmental standard for sustainability and ecosystem integrity.*

The Sustainable Offshore Developments program is profiling and advocating for the regulatory frameworks that provide the confidence for aquaculture and renewable energy industry to invest, while also giving the public confidence that offshore developments operate to the highest environmental standards for sustainability and ecosystem integrity.



For more information,  
please see our website.  
Strategic Plan and Annual  
Reports [available here.](#)



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