



# AUSTRALIAN OCEAN ENERGY

MARKET SUMMIT

## SUMMIT PROGRAM

**10-11th May, 2022**

Wrest Point, Hobart, Tasmania

Wellington Room

PRESENTED BY

AUSTRALIAN  
OCEAN ENERGY  
GROUP

SPONSORED BY

**BLUE  
ECONOMY**  
COOPERATIVE RESEARCH CENTRE

  
Australian Government  
Department of Industry, Science,  
Energy and Resources  
**AusIndustry**  
Cooperative Research  
Centres Program

FACILITATED BY

 **aquatera**  
environmental services and products

# ABOUT AOEG

**Australian ocean energy has an important role to play in solving the global climate problem.**

Ocean energy is a clean and almost infinite resource that can be harnessed in harmony with the natural environment. Australian Ocean Energy Group is an industry-led cluster, formed to develop markets for ocean energy and facilitate collaboration throughout the wave and tidal energy industry.

## CONTRIBUTING TO A MORE SUSTAINABLE AUSTRALIA

The ocean's vast resource potential could have an incredible impact for industries, communities and homes. So, we're striving to fast-track market demand for ocean energy projects across Australia — working towards a smarter future, together.

Our primary aim is to accelerate the commercialisation of wave and tidal energy into Australia's energy resource mix, by creating viable markets for ocean energy. Connecting with potential end users allows us to align technologies that directly address market needs and wants, including decarbonisation, electrification, reliability, safety and predictability of supply.

## THE SUMMIT

**The Australian Ocean Energy Group's Market Summit is its signature event, supporting our primary aim to increase market adoption of renewable ocean energy in Australia.**

We're about creating supply and demand by connecting end users ('markets') with ocean energy system suppliers and renewable energy project specialists to advance commercialisation of Australia's ocean energy sector.

The 2022 Market Summit is built around the findings of AOEG's current Australian Ocean Energy Market Investigation Project (Phase 1), which will help build understanding about key markets for ocean energy.

The Market Summit is designed to create meaningful, information-based connections between Australian market representatives and industry leaders, such as project developers, technology providers, supply chain, investors, funders, researchers, stakeholders, policy makers and communities.

Designed as an interactive event, the Summit is open to anyone with an interest in the 'blue economy' – the range of economic uses of ocean and coastal resources – exploring the technology, process and economics of capturing energy from waves and tides, with particular focus on how to deliver that energy to an end user in a commercially successful project.



# THE PROGRAM

The program will use the outcomes of existing projects and knowledge, input from interactive discussions and expert input to help achieve the following:

- » Identify the priority markets for wave and tidal technologies and integrated ocean energy systems in Australia.
- » Examine key challenges these priority markets face in relation to energy transition and decarbonisation.
- » Explain how ocean energy projects in priority markets are designed and implemented, to better understand the opportunities and overcome challenges identified.
- » Demonstrate how AOEG's emerging Ocean Energy Marketplace can help inform stakeholders, mitigate investment risk and facilitate commercial ocean energy projects.
- » Identify key research to support the market's adoption of ocean energy and the sustainable development of Australia's ocean energy industry.

AOEG WISHES TO THANK THE BLUE ECONOMY CRC AS ITS MAJOR SPONSOR FOR THIS EVENT AS WELL AS AQUATERA, AOEG'S PROGRAM PARTNER.

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*The Blue Economy CRC brings together 43 industry, government, and research partners from ten countries with expertise in aquaculture, marine renewable energy, maritime engineering, environmental assessments and policy and regulation. Its purpose to perform world-class, collaborative, industry-focused research and training that underpins the growth of the Blue Economy through increased offshore sustainable aquaculture and renewable energy production.*

# You're Invited

## SUMMIT SOCIAL

CASUAL SOCIAL EVENT SPONSORED BY:



**SPECIAL GUEST:** Todd Babiak

Todd Babiak, CEO, Brand Tasmania, will share his experience around storytelling for successful branding.

**LOCATION:** CoreMarine Office: 24 Davey Street, Hobart

**DATE:** Tuesday 10th May

**TIME:** 5:30pm - 7:30pm

### A COVID SAFE EVENT

This event is being run according to the Tasmanian COVID-19 Safe Events and Activities guidelines. If you are planning to attend in person you agree to the following conditions of attendance:



KEEP 1.5 METRES  
AWAY FROM OTHERS  
WHEREVER POSSIBLE



AVOID PHYSICAL  
GREETINGS SUCH AS  
HANDSHAKING



PRACTICE GOOD  
HYGIENE

Delegates are requested to not attend if they have fever or symptoms of respiratory infection (cough, sore throat, shortness of breath)

# TUESDAY 10th MAY

TUESDAY 10TH MAY

TIME	SESSION NAME	SESSION OVERVIEW		SPEAKER
8am - 9am	Registration	Exhibition Foyer Coffee and tea on arrival		
SESSION #1				
9am - 10:30am	Welcome	Official Welcome, Welcome to Country and Opening Address	<b>Facilitator:</b> Kym Goodes <b>Welcome:</b> Dr. John Whittington, CEO, Blue Economy CRC <b>Opening Address:</b> Honourable Jo Palmer MLC, Minister for Primary Industries and Water, Minister for Disability Services, Minister for Women	
	<b>Keynote Presentation: Australia's Ocean story: what does success look like?</b>	In 2017 the United Nations declared 2021-2030 The Decade of Ocean Science for Sustainable Development with a vision to deliver the science we need for the ocean we want. The global community, including many Australians, worked together to develop the mission of the Ocean Decade and the outcomes required for attaining 'the ocean we want' by 2030 – the Ocean Decade Framework. Australians have a deep connection to the ocean – but our approach is currently fragmented. To bring about the systemic change required to achieve the 'ocean we want' it is broadly acknowledged that there is a need for a step-change in the relationship humans have with the ocean. A 'new blue deal' that connects up behaviour and action, takes advantage of the opportunities that the ocean has to offer, and that develops a methodology to measure progress. Founded in 2020, Ocean Decade Australia (ODA) has been coordinating a national dialogue for Australia's ocean stakeholders to understand what success looks like and how it might be measured to ensure a sustainable ocean future.	Jas Chambers, Chair, Ocean Decade Australia	
10:30am - 11am	 MORNING TEA BREAK			
SESSION #2				
11am - 11:40am	<b>Welcome to the Summit</b>  <b>International and Australian Advancements in Ocean Energy</b>	Program overview in context of the Australian and global ocean energy sector	» Stephanie Thornton, Australian Ocean Energy Group » Gareth Davies, Aquatera Ltd	
SESSION #3				
11:45am - 12:30pm	<b>Markets for ocean energy - introduction, findings and recommendations</b>	» Summary of findings and recommendations from the Australian Ocean Energy Market Investigation, undertaken by AOEG » Results from the Offshore Aquaculture as a Market for Ocean Renewable Energy, undertaken by Ocean Energy Systems (OES)	» Stephanie Thornton, Australian Ocean Energy Group + Market Investigation Team Members » Mikaela Freeman, OES Environmental & Lysel Garavelli, OES Environmental	
12:30pm - 1:30pm	 LUNCH BREAK			

TUESDAY 10TH MAY

TIME	SESSION NAME	SESSION OVERVIEW	SPEAKER
SESSION #4			
1:30pm – 2:15pm	Australian Ocean Energy Developers Showcase	In-person and video presentation of companies, technologies and target markets	» Azura Ocean Wave - Michael Byrne » Wave Swell Energy Ltd - Tom » Denniss » Carnegie Clean Energy - Jonathan Fievez » Bombora Wave Power - Sam Leighton » Altum Green Energy Ltd - Douglas Hunt » Smart Barge - Dan Etherington & Darren Powell » OneTide - Roy Mitchell
SESSION #5			
2:20pm – 3pm	Introduction to Ocean Energy Project Development	Introduction to the strategies and concepts required for successful development of commercial ocean energy projects	» Michael Abundo, OceanPixel/Oceantera » Marianne Catanyag, Aquatera/Oceantera
3pm – 3:30pm	 AFTERNOON TEA BREAK		
SESSION #6			
3:30pm – 5:30pm	Interactive Sessions: Development of Ocean Energy Projects in Priority Markets, incorporating technical, finance, regulatory, stakeholder and research  <i>Followed by Q&amp;A</i>	<b>Technical Session</b> De-risking projects by starting with market/end user needs for technical/project design	<b>Session Chair:</b> Sean Van Steel, CoreMarine <b>Case Study 1:</b> Australian Institute for Marine Science, Townsville <b>Case Study 2:</b> MoorPower Project (a BE-CRC project) <b>Case Study 3:</b> Green hydrogen production <b>Contributions from:</b> Lisa Shreve, Busselton Jetty Paul Mackey, Southern Ports
		<b>Finance Session</b> Financing strategies for early-stage project development within priority markets. Interactive discussion with contributing experts	<b>Session Chair:</b> Vlad Finn, SDGx/Globalizer <b>Case Study:</b> AIMS ocean observation system
		<b>Regulatory and Stakeholder Engagement Session</b> Permitting commercial projects and stakeholder engagement in the Australian context  Presentation of results from the BE-CRC Regulatory Study and facilitated audience discussion concerning permitting and corresponding stakeholder engagement for emerging Australian ocean energy projects.  Discussion will also include: » Findings from BE-CRC project on Social License » Role of environmental research	<b>Session Chair:</b> David Rissik, BMT
		Wrap up of Day 1	Gareth Davies, Aquatera
CLOSE			
5:30pm – 7:30pm	SUMMIT SOCIAL - CoreMarine office 24 Davey St, Hobart	Casual social event sponsored by CoreMarine and BMT. <b>Special Guest:</b> Todd Babiak, CEO, Brand Tasmania, will share his experience around storytelling for successful branding.	

TUESDAY 10TH MAY

# WEDNESDAY 11th MAY

WEDNESDAY 11TH MAY

TIME	SESSION NAME	SESSION OVERVIEW	SPEAKER
8:30am - 9am	Registration	Exhibition Foyer Coffee and tea on arrival	
SESSION #1			
9am - 10:30am	Open and welcome  Interactive session: Introduction to the Ocean Energy Marketplace <i>Followed by Q&amp;A</i>	Interactive session using project case studies, to demonstrate how the Ocean Energy Marketplace can help deliver successful commercial ocean energy projects in priority markets. Discussion will focus on how it may help unlock opportunities, reduce project developments risks and address key challenges during each stage of the project development process.	» Gareth Davies, Aquatera Ltd » Alex Ogg, Program Manager, AOEG Marketplace
10:30am - 11:30am	 MORNING TEA BREAK		
SESSION #2			
11am - 12pm	International Ocean Energy Developers Showcase	Introduction to companies, technologies, target markets	» Mocean - Cameron McNatt » Orbital Marine Power - Oliver Wragg » Resolute Energy - Bill Staby, » Sustainable Marine - Ralf Starzmann » MeyGen - Fraser Johnson » Verlume - Paul Slorach » ORPC - John Ferland » CorPower - Patrik Moller » Marine Energy Council (UK) - Sue Barr » WITT-Energy - Mairi Wickett
SESSION #3			
12:05pm - 1pm	Interactive session: AOEG Ocean Energy Marketplace 'Design Task'	Interactive participant session to help inform the strategic objectives and detailed design of the AOEG Ocean Energy Marketplace.	» Alex Ogg, Australian Ocean Energy Group » Gareth Davies, Aquatera Ltd
1:pm - 1:45pm	 LUNCH BREAK		
SESSION #3 continued..			
1:45pm - 2:30pm	Interactive session: AOEG Ocean Energy Marketplace 'Design Task' Results & Next Steps	Presentation and discussion of the results from the previous design task and an overview of next steps for the development of the Marketplace from AOEG	» Alex Ogg, Australian Ocean Energy Group » Gareth Davies, Aquatera Ltd
SESSION #4			
2:35pm - 3pm	Formal Summit Close	Wrap up of Day 2: Highlights of the Summit & a look ahead - audience input	» Gareth Davies, Aquatera Ltd » Stephanie Thornton, Australian Ocean Energy Group
SESSION #5			
3:05pm - 4pm	Casual networking: Market hubs	Market-themed stations will provide opportunities to connect with subject-matter-experts, industry leaders and others in an informal setting	

WEDNESDAY 11TH MAY





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