

## BOARD OF DIRECTORS & CEO

**Non-Executive Chairman**  
Terry Stinson

**Non-Executive Director**  
Grant Mooney

**Non-Executive Director**  
Michael Fitzpatrick

**Non-Executive Director**  
Anthony Shields

**Chief Executive Officer**  
Jonathan Fievez

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## QUARTER HIGHLIGHTS

- MoorPower demonstrator deployed at Carnegie's North Fremantle offshore test site yields over 2000 hours of valuable operational data.
- Carnegie Technologies Spain, subsidiary of Carnegie Clean Energy, secures €2.1m (\$3.5m AUD) in funding from the Basque Government's Energy Agency (EVE) to advance the deployment of CETO technology through the ACHIEVE Programme.
- ACHIEVE Programme achieves significant milestones with CETO deployment berth reservation secured, EuropeWave authorisation to proceed (ATP) milestone passed, and receipt of three EuropeWave contract payments totalling €502k (\$823k AUD) between March and April.
- Carnegie's Mooring Tensioner for Wave Energy Converters (MoTWEC) project reaches testing milestone with over 1.5 million cycles completed.
- R&D tax refund of \$620,703 for FY23 received.

### Carnegie's CEO, Mr Jonathan Fiévez, commented on the Quarter:

*The team has made significant strides this quarter. The MoorPower project is a prime example – our demonstrator's deployment and the data we're collecting prove this technology's ability to provide clean, reliable power to offshore industries. Our collaboration with the aquaculture industry on this project provides us with a clear opportunity to reduce their reliance on fossil fuels for offshore aquaculture operations.*

*The news of our substantial funding award from the Basque Energy Agency that supports the CETO ACHIEVE Programme showcases the international support for our deployment. This significant funding highlights the Basque Country's commitment to clean energy innovation and helps propel CETO along its commercialisation pathway. Securing our preferred deployment berth and passing the Authorisation to Proceed milestone as part of the EuropeWave contract are further key accomplishments that validate our progress along the commercialisation pathway.*

*I'm grateful for the dedication of the Carnegie team, our strong partnerships, and the growing momentum of the wave energy industry. It is an exciting time for us to really start capitalising on the value that wave energy can provide to the global energy transition.*

<p><b>Who is Carnegie?</b></p>		<p>Carnegie develops ocean energy technologies to make the world more sustainable. We provide advanced and competitive wave energy products for global renewable energy markets. Waves are an untapped renewable energy source that is consistent, predictable, and globally distributed. The scale of the opportunity is significant, Ocean Energy Europe (OEE) forecasts significant growth for wave energy with a €653b market potential by 2050.</p>
<p><b>Core Products</b></p>	<p><b>CETO</b></p>	<p>CETO is a submerged buoy harnessing energy from ocean waves. Sitting a few meters below the surface of the ocean, CETO converts wave energy into zero-emission electricity. This clean and predictable energy supply can be harnessed to provide a reliable energy source 24/7. The CETO technology is continually improving through cost reduction measures and increasing the energy supply capacity through intelligent innovation.</p>
	<p><b>MoorPower</b></p>	<p>MoorPower is a wave energy product for offshore demand applications. A spin-off from the CETO technology, MoorPower provides power for offshore moored vessels, such as feed and lighting barges used in Aquaculture. MoorPower can replace and reduce diesel generator usage in offshore environments, reducing risk and carbon emissions.</p>

**PRODUCTS**

Carnegie Clean Energy celebrates steady progress achieved this quarter across its innovative wave energy portfolio. The MoorPower project achieved a major milestone with the successful deployment and operation of the MoorPower demonstrator off the coast of Western Australia. Extensive data being gathered during this phase is providing valuable insights for system optimisation, reinforcing MoorPower's potential to decarbonise offshore industries.

In parallel, the Blue Economy CRC-supported Mooring Tensioner for Wave Energy Converters (MoTWEC) project continues testing and has completed over 1.5 million test cycles.

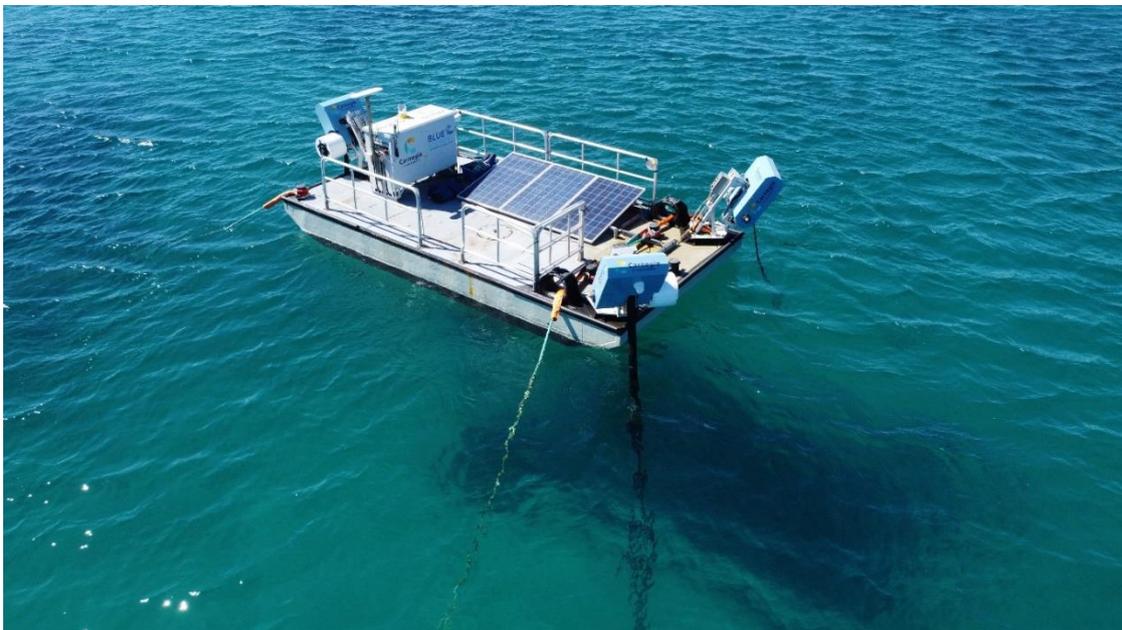
The ACHIEVE Programme continues advancing as intended, with the team delivering planned activities progressing towards the deployment of CETO at BiMEP in the Basque Country, Spain. Key achievements during (and subsequent to) the quarter include securing the BiMEP deployment berth in Spain, passing the EuropeWave Contract's Authorisation to Proceed, and the award of €2.1m (\$3.5m AUD) of additional funding from the Basque Energy Agency (EVE). These milestones progress CETO on its planned commercialisation pathway, moving towards a future where CETO contributes significantly to the EU's clean energy targets.

**MoorPower**

During the quarter, the company successfully deployed the MoorPower demonstrator off the coast of North Fremantle, Western Australia and has gathered over 2,000 hours of operational data. This deployment represents a critical milestone in validating the technology's functional operation, reliability and performance. Testing being undertaken includes the evaluation of control systems and

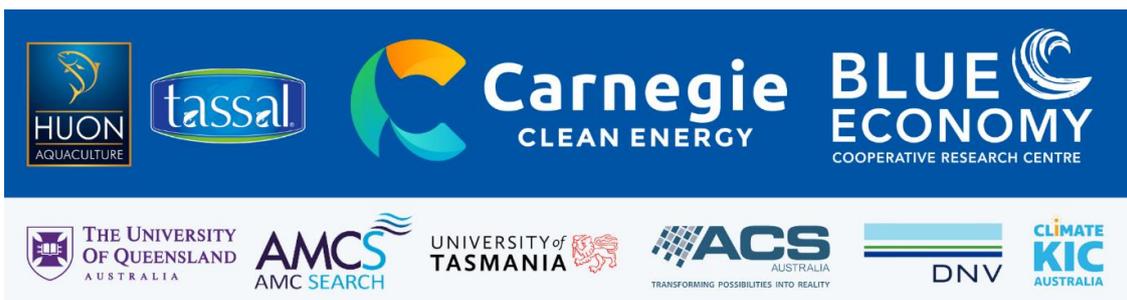
transition procedures. The data from the demonstrator’s operation is being evaluated and serves to validate the accuracy of Carnegie’s MoorPower models, allowing further optimisation of the system for future commercial applications.

The demonstrator is providing core structural validation of the technology, including core components to both CETO and MoorPower. The team is pleased to see the belt tracking occurring as intended, the configuration of the MoorPower modules operating as expected and cohesive operation of the moorings and belts in tandem functioning efficiently. These functional successes provide confidence in the ability of the MoorPower system to be viably upscaled for commercial operations as required by aquaculture companies Huon and Tassal.



*MoorPower in operation on a clear and still day at the offshore test site in North Fremantle, WA*

Following an initial phase of operations, the MoorPower demonstrator was brought back to port in late April to undergo inspection and maintenance prior to the winter. The MoorPower modules have been engineered for simple detachment and reattachment as is required for commercial operating barges, ensuring that the barge can be maintained with ease. As a first of a kind demonstrator, this project is an important opportunity to test and learn. Therefore, the demonstrator has more planned inspection and maintenance than would be the case for future commercial projects. Demonstrator redeployment is expected to occur in several weeks.



*MoorPower Demonstrator Project Team*

MoorPower offers a compelling alternative to diesel generators for offshore industries, particularly within the aquaculture sector. The project's objective is to reduce carbon emissions, minimise risks, and lower energy costs, thereby contributing to sustainable operations and net-zero goals. Carnegie Clean Energy continues to collaborate with key industry partners, including Huon Aquaculture, Tassal Group and the Blue Economy CRC, to drive MoorPower's commercialisation. This successful deployment positions MoorPower as a solution for the clean energy transition in the offshore aquaculture industry, demonstrating opportunity for wave energy to provide reliable and sustainable power for offshore industries.

### CETO

The ACHIEVE Programme, has achieved many successful CETO milestones during the quarter (and subsequent to quarter end). These achievements include securing a Berth Reservation Agreement for deployment at the Biscay Marine Energy Platform (BiMEP) in 2025, passing the Authorisation to Proceed (ATP) milestone for the EuropeWave ACHIEVE Contract, receipt of three EuropeWave contract payments, and the award of significant additional funding from the Basque Energy Agency (EVE) to enhance the ACHIEVE activities.

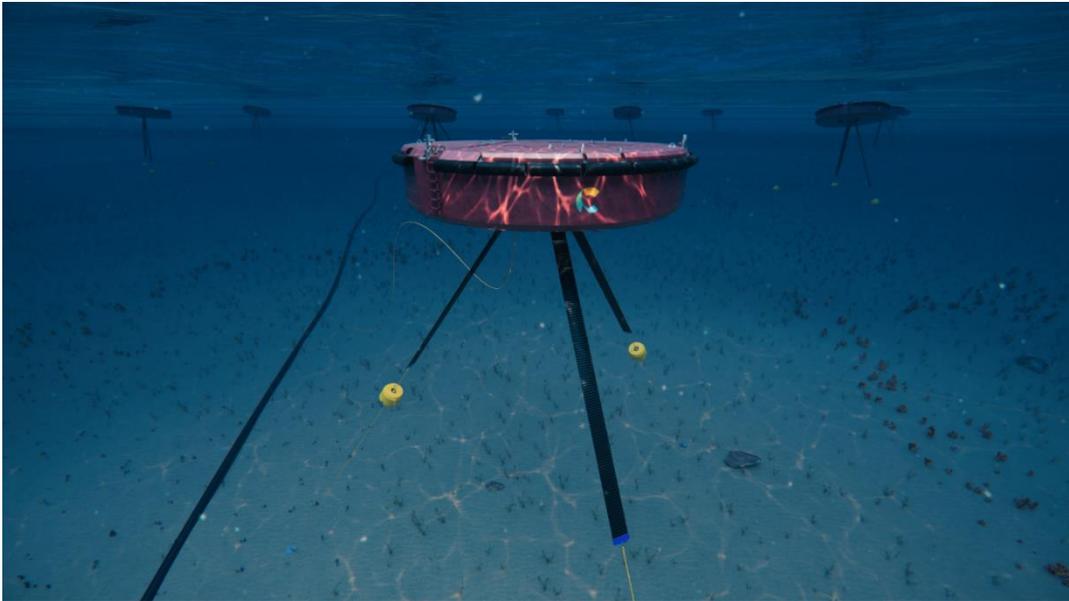
The ACHIEVE Programme is an initiative being delivered by Carnegie's subsidiaries CETO Wave Energy Ireland under contract by EuropeWave Buyers Group (ACHIEVE Project) and Carnegie Technologies Spain with the support of funding awarded by the Spanish Government through the RENMARINAS Demos Programme (AGUAMARINA Project) and the Basque Government through a grant from the Ente Vasco de la Energia (ACHIEVE+ Project).



*ACHIEVE Programme Schematic*

Through this collaborative initiative, Carnegie will deploy and operate a CETO prototype at the Basque Marine Energy Platform (BiMEP) in the Basque Country, Spain, commencing in 2025, marking a key step on CETO's commercialisation pathway. The CETO Unit will operate for 2 years in this open ocean

site and the data collected will be used to validate the performance of the CETO technology and propel it along the commercialisation pathway.



*CETO Illustration*

### **EVE funding awarded**

In March 2024, the Basque Energy Agency, Ente Vasco de la Energia (EVE), awarded Carnegie Technologies Spain, a subsidiary of Carnegie Clean Energy, €2.1 million (\$3.5m AUD) to further support the ACHIEVE Programme. This funding will ensure local manufacture of critical components for the deployment, such as the CETO Buoyant Actuator and Mooring System.

EVE's support will promote local Basque Country involvement, help manage project risks and boost commercialisation. The funding integration of the Reinforcement Learning Controller (in collaboration with HPE Spain) will increase energy capture capacity of the system and increase the energy generation to the electricity grid. This project aligns with the EU's renewable energy goals and showcases the Basque Country's commitment to clean energy solutions and economic development.

### **Authorisation to proceed (ATP) passed**

Carnegie Clean Energy Ltd, through its subsidiary CETO Wave Energy Ireland, has successfully passed the Authorisation to Proceed (ATP) milestone as part of its EuropeWave ACHIEVE Contract in April 2024. This milestone signifies the transition from planning to procurement activities, with contracts being awarded for the fabrication and procurement of long lead items. Additionally, passing the ATP milestone unlocked a significant milestone payment of €168k, which was received in April 2024. This milestone brings Carnegie closer to deploying the CETO unit at the Biscay Marine Energy Platform, leveraging collaborative efforts and funding from EuropeWave, Spanish and Basque entities.

### **Berth Reservation Assignment secured**

During the quarter, Carnegie's subsidiary, CETO Wave Energy Ireland (CWEI), secured the Berth Reservation Agreement for the ACHIEVE Programme's 2025 deployment at the Biscay Marine Energy Platform (BiMEP) in Spain. This was enabled by the assignment of rights from Wave Energy Scotland to CWEI as a successful Phase 3 contractor in the EuropeWave PCP Programme. Access to BiMEP's

preferred berth ensures rigorous testing of CETO under challenging sea conditions. This will validate CETO's performance, reliability, and storm survivability, positioning it as a leading clean energy solution for demanding ocean environments. BiMEP's established infrastructure and monitoring capabilities will contribute to CWEI's success while supporting the Basque Country's decarbonisation targets.

### Mooring Tensioner

The Blue Economy CRC supported project; Mooring tensioner for wave energy converters continues testing at Carnegie's research facility in North Fremantle, having now completed over 1.5 million cycles, the equivalent of over 6 years of commercial use. The project involves the testing of Mooring Tensioner components designed to provide passive tension to the moorings of both CETO and MoorPower wave energy converter systems. This testing phase being conducted at Carnegie's facility includes assessments to ensure the reliability, performance and survivability of the wave energy converters.

## EVENTS

### IMPACT: Next-Generation Wave Energy Testing

Carnegie employee Sam Neilson was invited to present the insights gained from the testing of CETO and MoorPower belts at a webinar hosted by IMPACT and VALID, two European funded collaborative wave energy testing projects. As the inaugural user of the VGA s.r.l test rig in Italy, Carnegie's presentation focused on the lessons learned from the testing and how the use of power take-off test rigs can fast track commercialisation of wave energy technologies. In addition, Carnegie's Dr. Elie Al Shami presented at the recent IMPACT project workshop in Italy, sharing valuable insights gained from CETO's extensive testing. His presentation, titled "Putting CETO to the Test," detailed the successful hydrodynamic, power take-off (PTO), and belt testing campaigns.



*Carnegie Engineer Dr. Elie Al Shami presenting at the IMPACT Workshop: Perugia, Italy*

### Ocean Energy Europe Strategy Day and Wind Europe Conference

Carnegie CEO Jonathan Fievez attended the Wind Europe conference in Bilbao, networking with global offshore industry professionals working to advance renewable energy solutions. Whilst in Bilbao, Jonathan had the privilege of meeting the Australian Ambassador to Spain, Her Excellency Ms Sophia McIntyre, to discuss the immense potential for wave energy in Spain and the Basque Country, the location of the ACHIEVE deployment of Carnegie's CETO technology.

Whilst in Europe, Jonathan also attended the Ocean Energy Europe Strategy Day in Brussels, bringing together ocean energy industry leaders to collaborate on strategies for the ocean energy sector in Europe and funding opportunities to assist in the commercialisation of these ocean energy technologies as the industry continues to make significant progress.

### Huon Aquaculture visits Carnegie HQ

Huon Aquaculture representatives, Matthew Whittle and Hannah Gray, visited Carnegie to witness the deployed MoorPower technology. The visit included observing the device at the offshore testing site, discussions with the technical team, and discussing how MoorPower can reduce diesel reliance in aquaculture operations. This Blue Economy CRC-funded collaboration demonstrates the potential of wave power for sustainable energy. Our partnership with groups like Huon Aquaculture ensures MoorPower's development addresses industry needs and supports their decarbonisation goals.



*Matthew Whittle and Hannah Gray from Huon Aquaculture during MoorPower visit to Carnegie*

## CORPORATE

During the quarter, Carnegie Clean Energy announced its dual listing on the OTC Markets Group's OTCQB market under the ticker CWGYF. This move opened efficient, real-time access to North American investors in US dollars. The OTCQB platform's liquidity and partnerships will facilitate engagement with US-based renewable energy investors. This strategic listing has a variety of benefits, including potential increased liquidity and access to US capital markets. CCE's primary listing remains on the ASX, with secondary listings now in both the US and Europe.

Subsequent to the end of the quarter, Carnegie received its Research and Development (R&D) Tax Incentive cash rebate from the Australian Tax Office of \$620,703 for financial year ended 30 June 2023.

## FINANCIAL NOTES

At the end of the Quarter, Carnegie had approximately \$1.52m in cash reserves. Additional funds including the FY23 R&D Tax Rebate and a EuropeWave milestone payment were received following the end of the quarter. Careful management of company funds and assets continues so that progress is made with highly efficient use of capital. The Company remains debt free and in a solid position financially.

Note 6 to Appendix 4C:

Payments to related parties of the entity and their associates were made during the Quarter. In total, approximately \$81.3k was paid to Directors and associates for salaries, superannuation and contracted services.

This announcement has been authorised by the Chairman and Company Secretary.

### **For more information**

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## ABOUT CARNEGIE AND ITS SUBSIDIARIES

Carnegie Clean Energy (ASX: CCE) is a technology developer focused on delivering ocean energy technologies to make the world more sustainable. Carnegie Technologies Spain and CETO Wave Energy Ireland is a wholly owned subsidiary of Carnegie Clean Energy. Carnegie is the owner and developer of the CETO® and MoorPower® technologies, which capture energy from ocean waves and convert it into electricity. Using the latest advances in artificial intelligence and electric machines, Carnegie can optimally control our technologies and generate electricity in the most efficient way possible. The company has a long history in ocean energy with a track record of world leading developments. <https://www.carnegiece.com>

## ABOUT BLUE ECONOMY COOPERATIVE RESEARCH CENTER (CRC)

The Blue Economy Cooperative Research Centre (CRC) is established and supported under the Australian Government's CRC Program, grant number CRC-20180101. The CRC Program supports industry-led collaborations between industry, researchers and the community. 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. Further information about the CRC Program is available at [www.business.gov.au](http://www.business.gov.au).



Australian Government  
Department of Industry,  
Science and Resources

**AusIndustry**  
Cooperative Research  
Centres Program

## ABOUT EUROPEWAVE



EuropeWave PCP is an innovative R&D programme for wave energy technology, which runs from 2022 to 2026. It combines over €22.5m of national, regional and EU funding to drive a competitive Pre-Commercial Procurement (PCP) programme for wave energy.

Originally pioneered by the Wave Energy Scotland programme, the PCP model provides a structured approach, fostering greater openness, collaboration and sharing of risk between the public sector and technology developers. The programme will focus on the design, development, and demonstration of cost-effective wave energy converter (WEC) systems for electrical power production that can survive in the harsh ocean environment.

Match-funded by the EU's Horizon 2020 programme, EuropeWave is a collaboration between Wave Energy Scotland (WES), the Basque Energy Agency (EVE) and Ocean Energy Europe (OEE). This collaboration is closely aligned with the decarbonisation, industrial and competitiveness objectives of the European Green Deal, and is part of a range of actions being taken to meet the European Commission's targets of 100MW of ocean energy by 2027 and at least 1GW by 2030.



This is part of the EuropeWave project that has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 883751.

<https://www.europewave.eu/>

## ABOUT RENMARINAS DEMOS

The RENMARINAS DEMOS Programme was established by Spain's Ministerio para la Transición Ecológica y el Reto Demográfico (Ministry for Ecological Transition and the Demographic Challenge) to grant aid for investment in pilot projects, test platforms and port infrastructure for marine renewables. This was established within the framework of the European Union-funded Recovery, Transformation and Resilience Plan, Next Generation EU. The programme provides aid in the form of a non-refundable grant managed by IDAE, Instituto para la Diversificación y Ahorro de la Energía (Institute for Diversification and Energy Saving).



## ABOUT ENTE VASCO DE LA ENERGIA (EVE)

The Ente Vasco de la Energía (EVE) is the Basque Country's energy agency, a public body established by the Basque Government. EVE serves as a central force in the region's energy sector, with a focus on the promotion of energy efficiency, the expansion of renewable energy sources, the development of sustainable energy policy, and the advancement of innovative energy technologies. The funding has been provided through the Grants programme for investment in the demonstration and validation of emerging marine renewable energy technologies 2023 to further support the ACHIEVE Programme.

