



SHY project visiting Wavepiston assembly site in the port of Arinaga, Gran Canaria

WAVEPISTON NEWS

July 2025

Introduction

Summer holiday season – I hope you all have time to recharge your batteries with family and friends.

While some of the development projects are on low pace during the holiday season, the waves keep rolling. We continue harvesting important experience with our offshore testing campaign including improvements of the technology and offshore operations.

Occasionally we experience impatience from our stakeholders; When are you ready with a commercial system? Can you move faster? We share this impatience. However, working on the ocean with critical infrastructure, there is no shortcut or quick fix. We persistently move on developing, maturing, testing, and validating in a controlled manner while in parallel raising awareness to ensure support to Wavepiston and the ocean energy sector.

On that note, The European Commission has recently named ocean energy a key technology for reaching EU climate and energy targets. This is a strong testament that wave energy will be a part of the future renewable energy mix.

Wavepiston continues the journey of bringing wave energy to the world.

Enjoy the summer and enjoy the read!



Michael Henriksen
Wavepiston CEO

AGM and new board member

Wavepiston held its annual general assembly on 20th June where we presented our management report, financial report, and plans. We are delighted that we continue to receive strong support from our shareholders.

Furthermore, we are thrilled to announce the appointment of [Jan Otto Ooms](#) as member of the board at Wavepiston. Jan Otto - founder of Connect the Drops - has already shown his commitment to Wavepiston through his recent investment in the company. We welcome Jan Otto on the board and his experience in scaling a business and the water sector.



Martin von Bülow

[Martin Bülow](#) has been an integral part of Wavepiston since its inception. After dedicating more than 16 years of his life to developing the Wavepiston technology, he has decided to take a step back to pursue new opportunities and continue in his new role as an advisor for Wavepiston. Martin has ensured a steady hand-over of his knowledge and responsibilities.

We extend our sincere gratitude to Martin for his valuable contributions to the company and wish him continued success in his new role.



Wavepiston Annual General Meeting May 2025 in Helsingør, Denmark



Martin von Bülow

Gran Canaria update

We continue the test iterations on our full-scale string in the Atlantic Ocean at the PLOCAN test site, off the coast of Gran Canaria. We are now on the fourth test iteration on the energy collectors, and we continue getting experience on operations and maintenance, including valuable input on how to optimise our offshore operations.

After almost two years in the water, we are currently repairing and updating the string and mooring, while we are getting ready for the installation of the next energy collector, which is stored in the Port of Arinaga. The focus for this test campaign is experimental investigation of force response and pressure profile over a full-sized sail fitted with flexible paddles.

Although the flexible paddles have already been studied using both hydroelastic simulations and wave tank experiments, the full-scale experiment is carried out to finally confirm the performance of Wavepiston's proprietary flexible sail technology.

As always, the timeline for such activities is subject to weather conditions and availability of divers and vessels.



Alberto Coello checking a shackle



Michael Henriksen inspecting the system



Alberto Coello discussing offshore operations with Trames crew

Technology development

COHSI-WEC

Currently, there is a lack of published data on the wear performance of various polymers in seawater environments.

As part of the COHSI-WEC project we have - over the past six months - carried out extensive tests at the Technical University of Denmark (DTU) using a specialised test rig to assess different polymer combinations, with the goal of identifying optimal materials for seals and liners. To date, we have completed over one million wear cycles and continue to investigate additional loading and wear conditions.

As a result, we have developed seal materials capable of enduring over 30 million wear cycles, equivalent to approximately seven years of service in offshore applications. This is extremely important to increase the maintenance intervals, i.e. increasing the lifetime of the wear parts and hereby decrease the levelised cost of energy and water.



New employees

We have been busy in the engineering team, not only with the prototype in Gran Canaria and the development of our minimum viable product, but also with hiring new team members: [Kalle Emil Stengaard Jørgensen](#) and [Quentin Dejoies](#). Both adding new backgrounds and cultures, and extensive experience to the team. Please join us in welcoming them into the Wavepiston family.

SHY

[The SHY Project](#) held its annual general assembly at PLOCAN, Gran Canaria. This productive meeting brought together the nine consortium partners, both in person and via videoconference, to review progress, results, and upcoming milestones.

The day included updates on work packages, collaborative workshops, and confirmation of steady progress according to the planned timeline. A great step towards achieving the project's goals.



Funded by the European Union



Kalle Emil Stengaard Jørgensen



Quentin Dejoies



SHY project Annual General Meeting at PLOCAN, Gran Canaria

Commercial development

Caribbean delegation

Emiel Schut travelled to Gran Canaria to meet with a large delegation of government officials from Caribbean Island nations. The trip was organised by [Expertise France](#) and [CEREMA](#) in anticipation of the Seenergy conference in Paris in June.

The delegation represented among others, Antigua and Barbuda, Bahamas, Barbados, Dominican Republic, Grenada and Saint Lucia.

Besides a tour of the premises at [PLOCAN](#), the day offered plenty of opportunities to present Wavepiston activities and plans and engage in fruitful discussions about challenges, opportunities and collaborations.

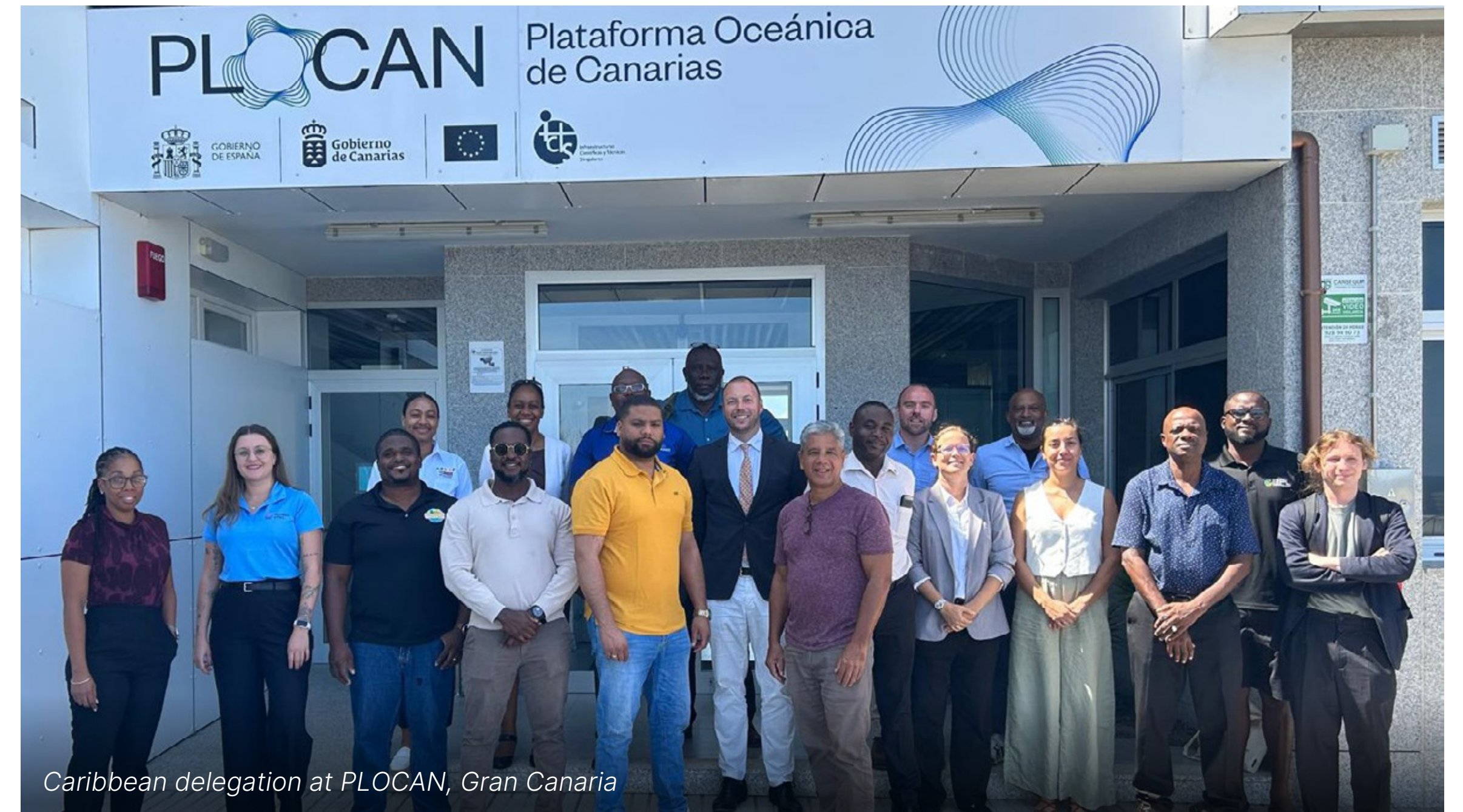
Contract Bluenewables

Wavepiston has signed a collaboration agreement with [BlueNewables](#) to advance the development of our Gran Canaria project. BlueNewables is an experienced engineering consultancy at the cutting edge of the innovation within the blue economy. They will support Wavepiston in the process of achieving site permissions and permits. The work is planned to commence in September.



Master thesis

During the first half of 2025, we have supported two master students from [Lund University](#), Emy Lindroth and Eugénie Collin, with their thesis on the feasibility and benefits of combining offshore wind and Wavepiston wave energy farms into offshore renewable energy parks. Their results show that adding Wavepiston wave energy to a planned offshore wind park in Galicia, Spain, not only results in higher output from the same marine spatial area but also in less zero power hours and lower levelized costs of energy (LCoE).



Caribbean delegation at PLOCAN, Gran Canaria



Emy Lindroth and Eugenie Collins at Lund University, Sweden

Events and conferences

No quarter goes by without us making ourselves visible to the right audiences and heard in the appropriate languages. This time Michael Henriksen took on the challenge of presenting and debating in German, during the [German Safety Days](#), organised by our partner [LESER](#).

For the first time ever, Wavepiston joined the [Folkemødet 2025](#). This annual event held in Bornholm, Denmark, allows the people to meet the politicians and talk with them 'off the record'. Michael Henriksen was joined by representatives of the [Danish Partnership for Wave Energy](#).

We continue to push our message of a need for:

1. Stronger political support to integrate wave power into national energy strategy.
2. Dedicated funding to scale from pilots to full deployment.
3. Fast-track permitting, especially for innovative technologies.
4. Clear policy frameworks to attract private investment and accelerate deployment.

And just before summer, Michael Henriksen enjoyed good conversations, sea and wildlife between Denmark and Sweden during the [Ocean Flagships](#) Ocean Tech Expedition: Sail to Scale.



Team event

This year it was time to host the Wavepiston team event on Danish soil and what a nice time we had. Two days filled with laughter, physical and mental activities, an external speaker, discussions, and excellent food and drinks.

Thank you to the whole team for making this such a success!



Time for a little break while crossing a dam



Wavepiston team exploring shallow waters in Denmark



Wavepiston team May 2025