

Drakoo Wave Energy Converter

Development Track Records



On behalf of the Hann-Ocean team, I would like to report to you on the remarkable results we have made in advancing the research and development of wave energy converter technology, as well as the latest progress in sea trials. We understand the importance of your interest and support in our work and look forward to receiving your valuable feedback. Below is our key development milestones:

Developmental Milestones



1. Narec Proven Results: Our first-generation Drakoo-1G converter was rigorously tested in 2011 by Narec (now part of OREcatapult) in the UK and proved that it has an average energy conversion efficiency of over 50/half in regular waves, with an exciting peak efficiency of over 80%.

2. Singapore Sea Trials: Our second-generation Drakoo-2G array (4kWp x 4) was successfully delivered to SembCorp Marine between 2013 and 2014 and fully tested in Singapore, once again proving the reliability and efficiency of our technology.

3. DNV-GL Validation: In 2018, we welcomed the third generation of Drakoo-3G converter, which has passed a series of rigorous wave pool tests and has been witnessed and verified by the international authority DNV-GL, which marks that our products have reached a new international standard.

4. Atkins Recognition: Hann-Ocean was highly recognized for the successful completion of Atkins Global's feasibility study on a hybrid clean energy project, which plans to combine a Drakoo converter with solar PV technology for an offshore drilling rig, demonstrating our innovative power in sustainable energy solutions.

5. Continuous R&D: In order to continuously improve the performance of our products, we designed and built the fourth-generation Drakoo-4G converter, the improvements of which have been confirmed and new patents have been filed, demonstrating our commitment to pursuing technological advancement.

6. China Sea Trials: Until January 31, 2024, we have completed 24 months of sea trials in Shengsi Island, and have further upgraded our products based on the valuable test experience we have gained to ensure that we can provide our customers with more mature, efficient and reliable wave energy conversion solutions.

We reaffirm our commitment to spare no effort in advancing wave energy technology and ensuring that Hann-Ocean wave energy converters become the best in the market. We look forward to further cooperation with you and believe that the joint efforts of both parties will make a significant contribution to the development of global sustainable energy.