

Unleashing the power of the oceans for a green and resilient future.

Wave energy is ready to revolutionise the clean energy mix. It enhances system stability, reduces fossil fuel dependence, and strengthens energy security with its more stable and reliable power profile. This complements established renewables such as wind and solar.

Wave power.
To power the planet.

The journey toward clean energy hinges on electrification and the importance of balancing supply with demand around the clock. To ensure a stable energy system, the answer is a mix of renewable sources with different power profiles. With its consistent and reliable production profile, wave energy has a vital role to play, paving the way to a sustainable future powered by the ocean.

Wave power. To power the planet.

CorPower Ocean's turnkey offering includes state-of-the-art CorPack wave clusters, each providing 10-30MW of clean, sustainable power. We provide comprehensive support from project development to operations, including expert Farm Engineering services and reliable Operations & Maintenance contracts, ensuring seamless energy solutions for a sustainable future. Our solution:

Superior survivability

Enabled by proprietary technology, our system is naturally storm-resistant and experiences 80-90% lower extreme loads compared to competing high-energy wave systems.

Enhanced energy output

Enabled by structurally efficient construction, our solution surpasses competing wave energy solutions with 5 times more energy per tonne equipment ratio.



The path to clean energy, electrification and stable supply.

The journey towards clean energy hinges on electrification and the importance of balancing supply with demand 24/7. To ensure a stable energy system, the answer is a mix of renewable sources with different power profiles. Wave energy, with its consistent and reliable production profile, will play a critical role. CorPower Ocean's wave energy converters represent an available and effective technology essential for the transition towards clean energy.



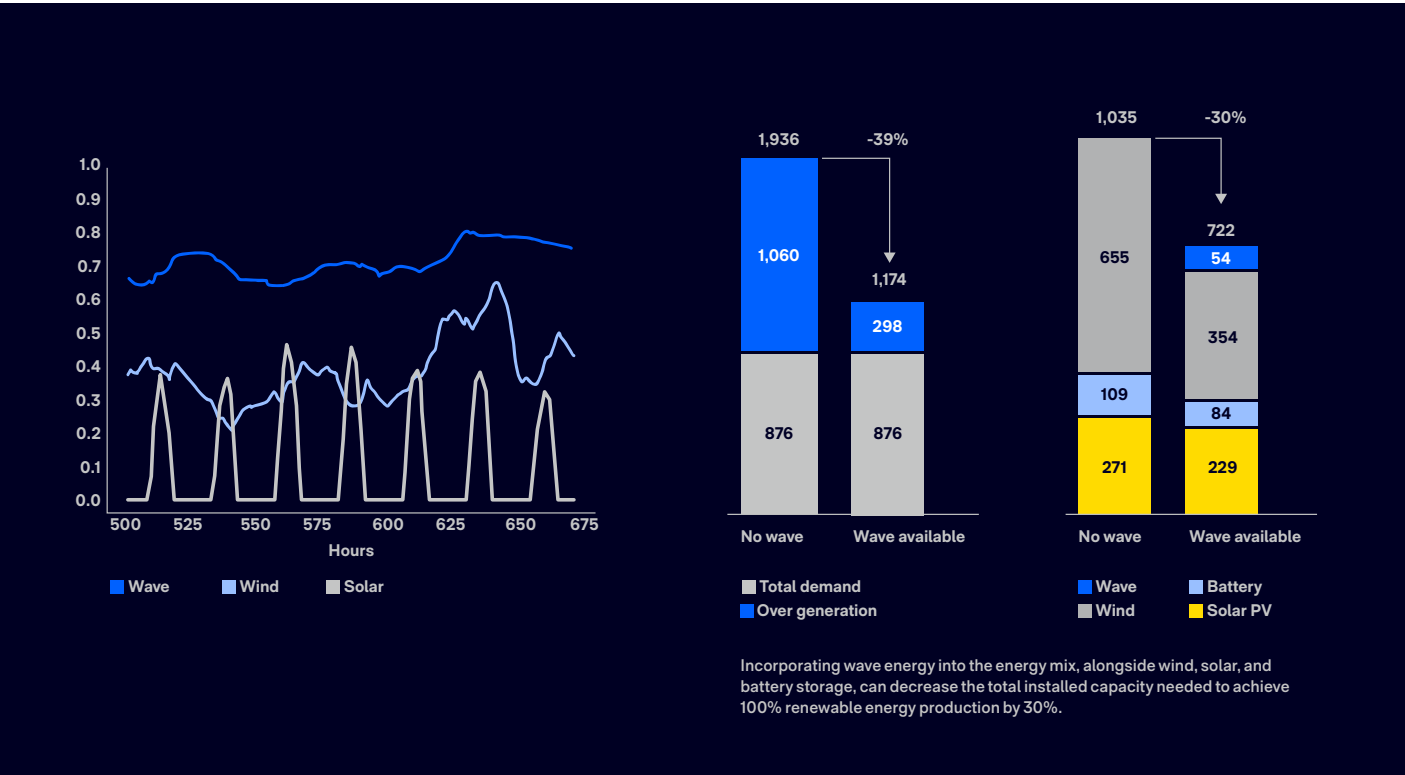
Lowering cost for 24/7 green power.

Wave energy is a valuable addition to the renewable energy mix alongside solar, wind, and storage solutions. It helps to reduce costs by up to 20%, depending on matching requirements and geography. The impact on the cost of supplying 24/7 green power is expected to increase as wave cost reductions

materialise from ~70 €/MWh LCOE in 2032 to ~40 €/MWh and ~30 €/MWh LCOE in 2040 and 2050. Research indicates that incorporating even a small amount of wave energy into the mix can yield significant benefits, such as lowering overall system costs, reducing over-generation, and

decreasing the costs associated with the need for larger transmission infrastructure.

Case studies, like the one focused on achieving continuous green power in Iberia by 2031, underscore the key role of wave energy despite initial higher technology costs.



The biggest battery on earth.

Wave energy is one of the largest untapped sources of clean energy on earth, with the capacity to fulfill 10-20% of worldwide energy demand. It has a consistent and predictable production profile which is also complementary to more established solar and wind technologies. Our oceans offer direct

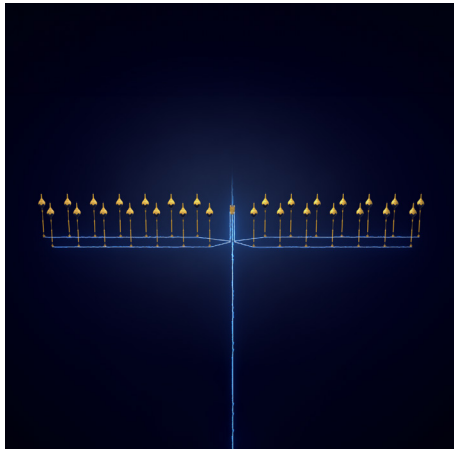
local electricity generation along the coasts where most people live. With little or no visual impact, wave farms can be built close to the main consumption centres, reducing required transmission capacity and costs. As waves are built up from weather systems during several days over large oceans, the energy content is

concentrated and smoothened, delivering a consistent power profile to our coasts that can help offset the variability of other generating renewables. The light blue areas on the map highlight the regions most suitable for harnessing wave energy, characterised by an abundance of high-energy swell waves.

“CorPacks are used as building blocks that are laid out side-by-side to form larger wave farms that can be hundreds of megawatts to gigawatts in scale.”

Kevin Rebenius
Commercial Director
CorPower Ocean

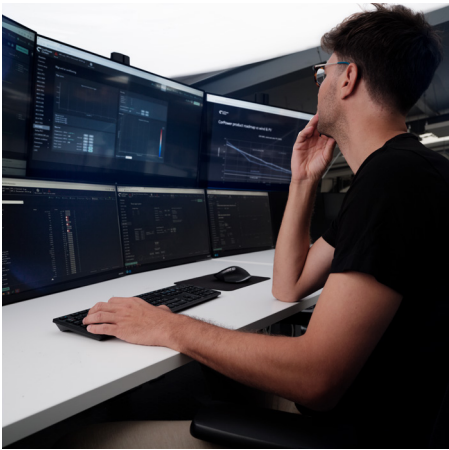




CorPack. Product offering.

Turnkey supply of CorPacks to project developers, utilities and energy companies that will use the technology to develop, own, and operate wave farms.

Each CorPack comprises an array of Wave Energy Converters (WEC), balance of plant, interconnecting cables, and a floating collection hub. A wave energy farm may be established using one or more CorPacks, tailored to the required farm size.



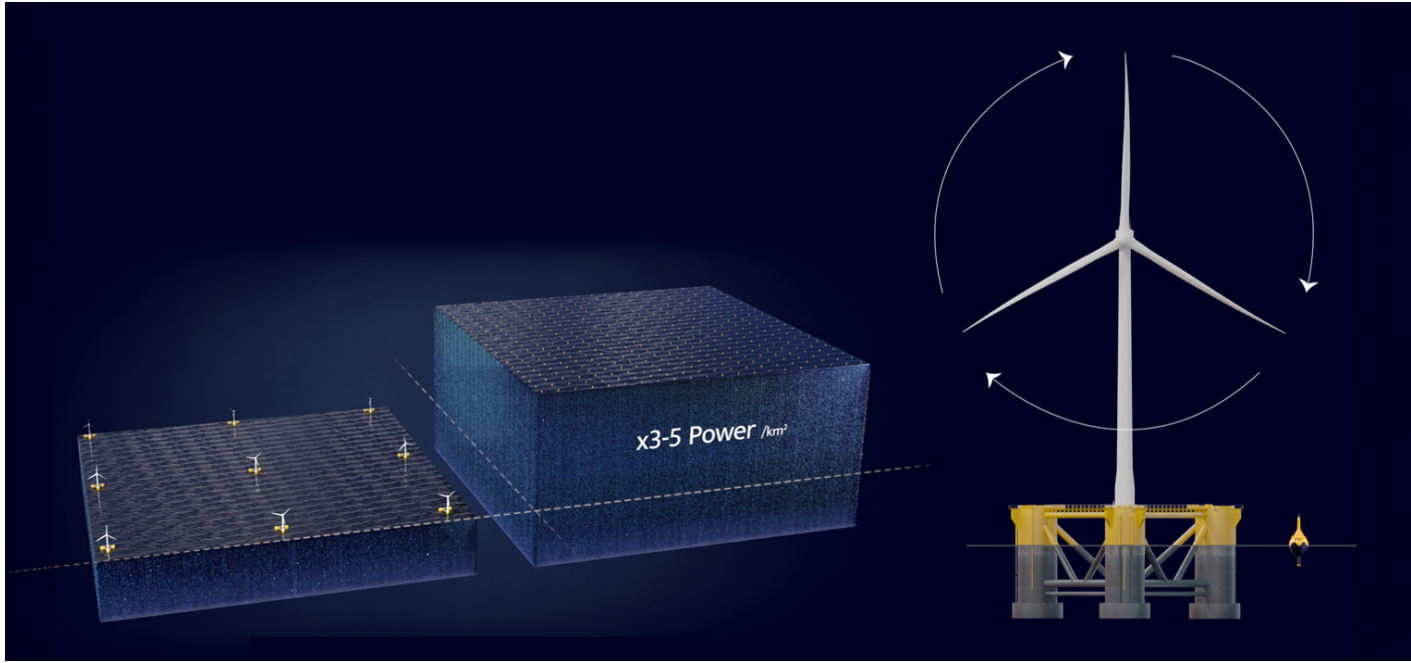
Point absorber technology
Each WEC operates autonomously by a programmable logic controller located inside the device, with an interface for remote control and data acquisition to shore.

CorPack deployment
CorPacks are laid out side-by-side to form larger farms able to scale from hundreds of megawatts to gigawatts. Electricity generated by each CorPack is added to the grid via



the collection hub through a subsea cable, embodying a Plug'n'Play approach with floating offshore wind.

To guarantee optimal performance and durability of wave farm installations, CorPower offers tailored Operations and Maintenance contracts to farm owners, affirming our commitment to the success and sustainability of our customers' investments.



Efficient use of ocean space.

With a spatial density of 15 MW/km², these wave farms can deliver 3-5x more power from the same ocean space compared to typical offshore wind farms. Each device is quite small compared to a modern offshore wind turbine. The high-density clustering is what makes this so powerful. Just like batteries are made up of many small cells packaged in modules,

our wave clusters use many small identical wave devices. This modular approach allows efficient industrial roll-out, and economies of scale to kick-in early. It also enables the local supply chain to be used to construct, install, and service the wave farms, providing high local content throughout the entire project life-cycle.



Project development.

CorPower supports you in all wave farm project development stages and activities including:

Project Management involves ensuring meticulous oversight and successful delivery of the project.

Social License to Operate is about managing vital stakeholder relationships through effective communication, advocacy, and engagement.

Wave Farm Project Engineering
CorPower is specialised in wave farm engineering via PreFEED, Front-End-Engineering-Design (FEED) and Detailed



Design Engineering services. Navigating the complexities of project engineering from concept to operation.

Consenting Processes entail guiding through essential procedures such as Environmental Impact Assessment (EIA), offshore and onshore surveys, development consent, marine area consent, and more.

Commercial Activities include handling negotiations for landowner and asset owner agreements, procurement, and supply chain engagement.

Project Site Characterisation involves planning for comprehensive geophysical and detailed geotechnical surveys, on-land surveys and metocean studies to inform project planning and de-risk design stages.



Health and Safety Management ensures top safety standards throughout the entire project lifecycle.

Project development typically spans 2-3 years from project engineering to financial investment decision, then a 2-year construction phase to commercial operation date.

Wave Farm Specifications
CorPack rating: 10-30MW
WECs: 29-86 devices/CorPack
Export voltage: 33/66kV
Capacity factor: 40-60 %
Spatial density: 15 MW/km²
Installation depth: >40m



The bright future of electrification.

Our mission is to accelerate the global transition away from fossil fuels and move swiftly towards a sustainable, net-zero future. The quest for continuous clean electricity is key in this journey. Given the intermittent nature of current renewable sources like solar and wind, the key to a resilient energy future lies in diversifying our renewable portfolio with the integration of wave power and storage solutions.

The complementary effect of wave energy is substantial. Integrating even a small amount of wave energy can greatly reduce the cost of continuous green power. Moreover, it notably diminishes the need for overgeneration and cuts the costs associated with excess capacity.

Get in touch with CorPower Ocean

Wave energy is ready to revolutionise the clean energy mix, are you?

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Wave power.
To power the planet.

CorPower Ocean brings high-efficiency wave energy technology enabling reliable and cost-effective harvesting of electricity from ocean waves.

With research and development spanning decades, our innovations are inspired by the pumping principle of the human heart. Ocean energy brings stability to the clean energy mix, accelerating the transition to zero-carbon energy.

Headquartered in Sweden, with offices in Portugal, Norway and Scotland, we design, build and install turnkey solutions that allow our customers to power the planet with clean energy from ocean waves.

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