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The Portal and Repository for Information on Marine Renewable Energy ([PRIMRE](#)) provides access to marine energy data, information, and resources in the U.S. and internationally. The bi-weekly [PRIMRE Blast](#) highlights relevant announcements and upcoming events; new content in the [Knowledge Hubs](#); and international marine energy news. [Email us](#) to contribute!

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Announcements

ETIPP Applications Open

The U.S. Department of Energy (DOE) recently opened applications for the [Energy Technology Innovation Partnership Project \(ETIPP\)](#), which helps coastal, remote, and island communities develop more affordable, reliable, and secure energy systems through strategic energy planning support and deep-dive technical assistance. [Register to join an informational webinar](#) on 30 September 2026 at 1:00pm MDT (7:00pm UTC) to learn more. Apply by 18 November 2026.

Calls for Abstracts

The Marine Alliance for Science and Technology for Scotland (MASTS) has opened the Call for Abstracts for the [MASTS 2026 Annual Science Meeting](#) until 31 August 2026. The meeting will take place on 10–12 November 2026 at the University of Strathclyde in Glasgow, Scotland.

The [Call for Abstracts](#) for the [12th International Ocean Thermal Energy Conversion \(OTEC\) Symposium](#) is open until 15 September 2026. The symposium will take place from 30 November to 4 December 2026 in Bora Bora, French Polynesia.

Funding & Testing Opportunities

VentureWell has opened applications for Stages 0 and 1 of its [Ocean Enterprise Accelerator](#), which supports U.S. innovators with the development, commercialization, and adoption of new ocean data technologies and services. The Stage 0 Fall 2026 application deadline is August 25.

Ocean Exchange, in partnership with the Marine Environmental Observation, Prediction and Response Network (MEOPAR), has launched a new [Call for Solutions](#) focused on advancing ocean, Great Lakes, and St. Lawrence River sustainability through the innovative use of artificial intelligence and ocean data. One Canadian startup, nonprofit, researcher, or organization will receive a CAD \$100,000 Ocean Exchange Neptune Award. Apply by 25 August 2026.

The U.S. DOE Office of Technology Commercialization recently announced the opening of a new [Small Business Innovation Research \(SBIR\) and Small Business Technology Transfer \(STTR\) Phase I](#) award opportunity focused on four Genesis Mission-focused topic areas. This initial release precedes a broader Phase I funding opportunity expected later this fall. Submit your pitches by 10 September 2026. Applications for FY25 SBIR/STTR Phase II funding opportunities are also open until 25 September 2026 (for eligible applicants).

OceanBoost, one of the consortiums bidding for the upcoming HORIZON ocean energy flagship call, has launched an [Expression of Interest](#) for proposals to join their consortium to deliver the Demonstration Challenge projects. Any organisation eligible for EU funding, including but not limited to technology developers, industrial companies, research organisations, universities, infrastructure providers, consultancies, and public bodies, is encouraged to respond by 5:00pm CEST on 22 September 2026.

The Nova Scotia Department of Energy is inviting applications from tidal energy developers seeking to test innovative in-stream tidal energy technologies in the Bay of Fundy as part of the [Demonstration Permit Program](#). Up to 7.7 MW of demonstration capacity is available under the program's 10 MW cap, with individual projects limited to less than 2 MW. The program offers permit terms of up to five years, with opportunities for renewal, and successful projects will enter into a prescribed power purchase agreement with Nova Scotia Power. Apply by 30 September 2026.

The U.S. Testing Expertise and Access for Marine Energy Research (TEAMER) program, which supports marine energy testing and development projects, is accepting [Request for Technical Support \(RFTS\) 19](#) applications until 2 October 2026. TEAMER now provides [expertise, non-open water, and open water support](#), as well as [commercialization support](#).

The U.S. Department of Defense recently announced [Naval Facilities Engineering and Expeditionary Warfare Center \(NAVFAC EXWC\) Research, Development, Testing, and Evaluation](#) support to deliver specialized facility, ocean system, and expeditionary solutions. Applications will be reviewed every 3 months until 14 June 2027.

Career & Internship Opportunities

The Alaska Center for Energy and Power (ACEP) at the University of Alaska Fairbanks (UAF) is seeking a [Research Associate Professor of Marine Energy](#) to contribute to research, teaching, mentorship, and service while expanding externally funded research opportunities, and to serve as the co-Director of the Pacific Marine Energy Center (PMEC). Apply by 24 August 2026.

The University of Hawai'i is seeking a [Junior or Assistant Extension Agent](#) to advance community engagement, outreach, extension education, and communications related to marine energy and associated coastal and community resilience opportunities in Hawai'i and the U.S. Affiliated Pacific Islands. Apply by 31 August 2026.

The Supergen Offshore Renewable Energy (ORE) Hub is inviting applications for an [Early Career Network Lead](#). This voluntary role offers an excellent opportunity to work closely with the Hub Directors and contribute to the strategic direction of the Hub. Apply by 1 September 2026.

Proteus Marine Renewables is hiring an [Electrical Engineer](#) to contribute to the design and delivery of its tidal turbine generation systems across the full project lifecycle, from concept and detailed design through to factory acceptance testing, installation and commissioning. Apply by 4 September 2026.

Ocean Renewable Power Company (ORPC) is looking for a [Regulatory Affairs Manager](#) to lead the permitting, licensing, and compliance strategies for its global portfolio and a [Project Development Manager](#) to lead assigned Canadian projects from development through construction readiness, deployment, commissioning and early operations.

Akima is seeking a [Technical and Strategic Subject Matter Expert](#) to provide specialized technical and strategic expertise to the National Laboratory of the Rockies (NLR) Water Power Program staff in implementing DOE-sponsored projects focused on improved performance, lower costs, and reduced environmental impacts for marine energy technologies.

Upcoming Events

The [PRIMRE Events Calendar](#) highlights key events from around the world related to marine energy, including conferences, webinars, workshops, and more.

Upcoming Webinar

TEAMER is hosting a [TEAMER Facility Showcase Webinar](#) from 11:00am–12:30pm PDT (6:00–7:30pm UTC) on 9 September 2026. Join us for a live webinar as representatives of five TEAMER facilities share the various ways their organizations can help marine energy developers advance their technologies and their businesses. These facilities' capabilities include a wide range of categories including technical device evaluation, physical testing (towing tank, wave basin), environmental analysis and modeling, commercialization support, and more.

Upcoming Masterclasses

The Supergen Offshore Renewable Energy Hub is offering several upcoming Masterclasses, including a [Masterclass on Optimising Offshore Renewable Energy Array Design and Locations for Safety, Fisheries Co-location and Environmental Aspects](#) on 5–6 October 2026 at the National Decommissioning Centre in Newburgh, Scotland, and a [Masterclass on Offshore](#)

[Structural Integrity](#) on 14–15 October 2026 at the University of Strathclyde in Glasgow, Scotland.

Upcoming Conferences

Ocean Energy Europe (OEE) and the Dutch Energy from Water Association (EWA) are co-hosting the [2026 International Conference on Ocean Energy \(ICOE\) and OEE Conference](#) on 5–7 October 2026 in The Hague, Netherlands.

Maritime Blue is hosting [One Ocean Week Seattle 2026](#) on 19–25 October 2026 in Seattle, Washington, USA. [See the live calendar of events and register here.](#)

Marine Renewables Canada is hosting the [Marine Renewables Canada 2026 Conference & Exhibition](#) on 17–19 November 2026 in Ottawa, Ontario, Canada.

New Documents on Tethys Engineering

[Tethys Engineering](#) hosts thousands of documents on the technical aspects of marine energy research and development, including journal articles, conference papers, and reports.

Expert Elicitation for Tidal Energy Levelized Cost of Energy: Present and Future – Baca and Colby 2026

In accordance with the Government Performance and Results Act (GPRA), H2O annually assesses marine energy technology development resulting from government-funded research and development programs and strategy. For GPRA reporting, H2O uses the levelized cost of energy (LCOE)—which represents the total system cost per unit of energy produced—to measure the progression of marine energy technology development, assess the impact of their research and development programs, and identify future research priorities. To support H2O's GPRA reporting requirements and inform future strategy, the National Laboratory of the Rockies conducted a tidal energy LCOE expert elicitation study to estimate present and future LCOE. This report describes the motivation and background for the elicitation study, the methodology used to conduct the study, and the study results. It also provides future recommendations for accelerated tidal energy LCOE reduction based on feedback from study participants.

Mooring Fatigue Lifetime of Point-Absorber Wave Energy Converters in Monsoon Climates: Gulf of Thailand and Andaman Sea – Ruttanawijit et al. 2026

Mooring failure is a leading structural barrier to wave energy converter (WEC) commercialisation, and fatigue—rather than ultimate strength—governs mooring service life. Yet all published WEC mooring fatigue studies use North Sea or North Atlantic wave climates; no region-specific estimate exists for the monsoon-dominated waters of Southeast Asia. This study presents the first mooring fatigue lifetime assessment for the RM3 reference point absorber under the contrasting wave climates of the Gulf of

Thailand and the Andaman Sea. A Dirlik frequency-domain framework—validated for bimodal RM3 mooring loads against time-domain rainfall counting by Martinez-Puente et al.—is applied with site-specific H_s – T_p occurrence weighting derived from 24 years (2000–2023) of ERA5 hourly reanalysis, cross-validated against regional WAM/SWAN hindcasts. Damage is accumulated using Palmgren–Miner's rule across five sensitivity cases: base, slack, taut, biofouling, and a combined worst case.

Research Progress of Archimedes Spiral Hydrokinetic Turbines in Free-Flow Conditions: A Comprehensive Review – Song et al. 2026

Ocean current energy is abundant, yet its exploitation is severely constrained by the low-velocity conditions typical of most marine environments, where conventional lift-type turbines exhibit poor self-starting capability and low efficiency. This review provides the first comprehensive synthesis of research on free-stream Archimedes spiral hydrokinetic turbines (ASHTs), a class of drag-dominated rotors developed specifically for low-velocity kinetic energy harvesting. A unified classification is introduced, dividing ASHTs into single-blade long-axis (SL-ASHT) and three-blade short-axis (TS-ASHT) configurations. The energy conversion mechanisms, governed by pressure difference and hydrodynamic force synergy within helical passages, are elucidated, and the influence of critical geometric parameters is assessed. For SL-ASHTs, the analysis highlights exceptional self-starting capability (cut-in velocity: 0.1 m/s), a starting torque coefficient of 0.52, a maximum power coefficient of 0.51, and passive yaw adaptability that limits efficiency variation to below 2% over yaw angles of 0–40°.

Marine Energy Projects Database Updates

The [Marine Energy Projects Database](#) provides up-to-date information on marine energy projects, test sites, devices, organizations, and technologies around the world.

BladeRunner Turbine Napaimute Pilot Project – Alaska Center for Energy and Power & BladeRunner Energy

The Napaimute Pilot Project is a joint effort between Blade Runner, ACEP, University of Alaska Fairbanks, and the Native Village of Napaimute, and is funded by the U.S. Department of Energy. The project planned for a deployment of the 5 kW Bladerunner turbine in Summer 2025, but postponed until Summer 2026 after debris damaged the device turning testing at Tanana River Hydrokinetic Test Site. The device will harness river energy in the Kuskokwim River near the Native Village of Napaimute for approximately 3-4 months and be connected to Napaimute's microgrid. Project managers believe this project will allow the Napaimute Village to obtain 100% renewable energy alongside its existing solar energy infrastructure.

NoviOcean3 (NO3) – NoviOcean

NO3 is a prototype of the hybrid Medi Wave 850H device. It uses NoviOcean's wave energy converter, solar panels and wind turbines. As of July 2026, the 10×6-meter platform has been operating in open water east of Stockholm for one month as part of a validation phase for the 850 kW Medi Wave 850H technology, in order to confirm key engineering assumptions under operational conditions and further reduce technical risk as the technology advances toward commercialization. NO3's wave energy conversion has undergone previous lab and offshore testing through prototypes NO1 and NO2. Exact specs of this device are not disclosed to the public. Future plans include possible pre-commercialization deployment off the coast of Costa Rica.

Envirotek floating tidal turbine platform – Envirotek

In February 2017, Singapore-based Envirotek Pte Ltd deployed a floating tidal-energy platform in the waters off Sentosa Boardwalk, Singapore, demonstrating tidal-stream energy generation in Southeast Asian conditions. The system consisted of a catamaran-style floating platform developed with ERI@N, OceanPixel, Lita Ocean and other partners, carrying a SCHOTTEL HYDRO SIT250 tidal turbine. The turbine had a 4 m rotor and was reported at approximately 62 kW, with the platform incorporating a lifting system that allowed the turbine to be raised and lowered for deployment and maintenance. The project followed development and sea trials in 2016 and was intended to demonstrate the technical feasibility of floating tidal generation and support future commercialization of the technology in Southeast Asia.

MHKDR Highlights

The Marine Hydrokinetic Data Repository ([MHKDR](#)) is the repository for all data collected using funds from the U.S. DOE's H2O, including results from tank tests and open sea trials.

TEAMER: xWave - ABS Path to Certification - Prototype Validation Stage Public Release – Boerner et al. 2026

This is CalWave's public release report for work conducted under TEAMER RFTS 12 with the American Bureau of Shipping (ABS) on xWave, a submerged pressure differential type Wave Energy Converter (WEC). The project focused on prototype validation within the ABS New Technology Qualification (NTQ) process. The intent of the project is to illustrate a Path to Certification using the ABS NTQ process. Providing certification for marine energy systems is critical for unlocking project financing and insurability or commercial deployments. This submission includes the public TEAMER post access report for this project and a link to the redacted release. This project is part of the TEAMER RFTS 12 program.

Annual time series of wave resource ADCP data from Yakutat, Alaska – Brown et al. 2026

This surface wave dataset from Yakutat, Alaska is the result of a wave resource assessment conducted by ACEP and PMEC at the UAF. This work was based on recommendations from prior research motivated by local government at the City and Borough of Yakutat, funded by the US Department of the Interior, Bureau of Ocean Energy Management, Environmental Studies Program and by FY23 state of Alaska capital appropriation, and described in detail by Brown et al. (in review) and Kasper et al. (2021). The aim of the study was to evaluate marine hydrokinetic energy (MHK) wave resources offshore Cannon Beach in Yakutat, Alaska to determine the feasibility of potential MHK development in the future to support meeting community energy needs with local renewable energy. The dataset includes raw and processed Acoustic Doppler Current Profiler (ADCP) data files from fieldwork conducted in 2018-2019. Descriptions of the data files and processing steps are included in the metadata.

TEAMER: Deeply Embedded Ring Anchor Fatigue Life Optimization – Mane et al. 2026

The data provided in this submission contain the analysis input files and result post-processing spreadsheets and scripts to perform the CFD analysis, load case development, strength FEA, fatigue FEA, and optimization tasks outlined in the project report. Below is a summary of the project overall. This project provided valuable qualitative and quantitative insights into the corrosion behavior, structural performance, fatigue resistance, and optimization of the Deeply Embedded Ring Anchor (DERA). Overall, this project successfully achieved the goal of utilizing the DOE optimization process to improve the DERA design. In summary:

- The peak stress was successfully reduced to keep the utilization ratio below 1.0.
- The fatigue life was improved by orders of magnitude, exceeding the target life of 250 years.
- Field validation is recommended for real-world performance verification.

News & Press Releases

Inyanga Maritime achieves ISO 9001 certification – Inyanga Marine Energy Group

Inyanga Marine Energy Group recently announced that Inyanga Maritime, its offshore engineering and installation division, has achieved ISO 9001:2015 certification. ISO 9001 is the world's leading standard for a Quality Management System developed and published by the International Organisation for Standardisation. (ISO.) Inyanga Maritime has achieved its accreditation through the British Assessment Bureau. Richard Parkinson, CEO of Inyanga Marine Energy Group, said: *“Achieving this globally recognised certification is a major milestone and reflects our commitment to robust quality management systems and delivering excellent standards across our engineering, offshore operations and project delivery.”* Inyanga Maritime provides specialist engineering and offshore operational expertise across the marine renewable energy sector, with experience spanning tidal energy, offshore wind and floating wind.

Riding the AI wave: Can data centres unlock ocean energy? – Enlit

The demand for data centres is creating another opportunity for a renewable energy technology that is already making waves in the energy market. As AI drives demand for ever-increasing amounts of electricity, Mocean Energy believes offshore data centres could provide another valuable market for wave energy. The Scottish company is developing Blue Core, a modular offshore data centre powered by wave energy and offshore solar, with integrated energy storage and computing capacity. For Mocean Energy managing director Cameron McNatt, the concept is about more than putting wave energy to work in another application. It is about finding a market where the technology's particular characteristics, reliable offshore power, proximity to ocean cooling and the ability to operate away from constrained grids, can give it an advantage over competing technologies.

Eco Wave Power Reports Increased Power Output During Stronger Wave Conditions at Jaffa Port, Israel – Eco Wave Power

Eco Wave Power Global AB recently announced April and May 2026 production results from its grid-connected EWP-EDF One wave energy power station at Jaffa Port, Israel, demonstrating increased electricity generation and higher peak power output during stronger wave conditions. For its monthly production reporting, Eco Wave Power focuses on periods in which wave heights exceed approximately 1 m, as these conditions are considered particularly relevant to the performance parameters expected at the Company's planned commercial-scale projects. During April 2026, Jaffa Port experienced three days with wave heights ranging between approximately 1 and 1.5 m. During these wave conditions, the power station generated approximately 461 kWh of clean electricity, with peak power production reaching 26.2 kW. During May 2026, the site experienced four days with wave heights ranging between approximately 1 and 2 m.

Designing marine energy to ensure a just transition – Enlit

What does it take to make an energy transition truly just? For postdoctoral researcher Lara Santos Ayllón, the answer begins long before a new technology reaches the market. It starts with the decisions made during its development – who gets a voice, whose interests are prioritised, where the benefits go and what impacts are left behind. Her interest in these aspects of project development was shaped during her time at the European Marine Energy Centre (EMEC), where she began working in 2020 in a graduate role promoting wave and tidal energy and green hydrogen. Based in the Orkney Islands, Santos Ayllón found herself drawn not only to the ocean, but to the people and innovation surrounding it. It was there that she began to see marine energy as more than a technological challenge. It was an opportunity to ask bigger questions about how new energy systems are designed and who they ultimately serve.

Minesto adapts organization to strengthen customer service offering – Minesto

Minesto implements organisational changes to enhance the commercial readiness of its service offering. Site installation and operations (installation and handling) will be managed through customer delivery projects, such as the Vestmanna Site Project, relying on Minesto's proprietary and proven methods and technology, but primarily delivered by external and local resources to enhance flexibility and efficiency. Technology development related to Operations methods and tools will be integrated into Product Development led by Chief Technology Officer, Bernt Erik Westre. Operations both onshore and offshore at tidal energy production sites will be managed through site development projects, including the Vestmanna site in the Faroe Islands, for handover to customer site operations. Bespoke tools, know-how and methods for development, build and operation of a Dragon farm remains an integral part of the business with the site in Vestmanna as the development and training hub.