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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

NSF Request for Input

The U.S. National Science Foundation (NSF) has announced its intent to continue operations and maintenance of the NSF Ocean Observatories Initiative (OOI) and released a [Request for Input](#) on priorities, strategies, and technologies for future NSF ocean observing systems to effectively support scientific and societal needs. Submit your responses by 30 September 2026.

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.

Call for Abstracts

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

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 16 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

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.

The Alaska Center for Energy and Power (ACEP) at the University of Alaska Fairbanks (UAF) has extended the recruitment deadline for 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 15 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; a [Project Development Manager](#) to lead assigned Canadian projects from development through construction readiness, deployment, commissioning and early operations; and a [Mechanical Engineer](#) to support design, development, testing, installation, and operation.

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 Webinars

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.

Fundy Energy Research Network (FERN) is hosting a webinar, “[The Future of Tidal Power in Canada](#),” on 29 September 2026 at 12:00pm ADT (3:00pm UTC). This webinar will provide an overview of the Orbital Marine Power’s tidal energy technology and ongoing projects in the UK, sharing key lessons and insights from the deployment and operation of their floating tidal energy turbines. The webinar is presented in partnership with Acadia University, Fundy Ocean Research Centre for Energy (FORCE), and the Government of Canada.

Upcoming Deep Dive

The Dutch Marine Energy Centre (DMEC) is hosting a [Deep Dive: Specialised Markets of Offshore Renewable Energy - Turning Needs into Opportunities](#) on 29 September 2026 from 5:00-7:00pm CET at the DMEC Hub in The Hague, Netherlands. Andrew Smith from Deja Blue Consulting will speak about offshore data centers and Kristina Burke from EMEC will share her experience and perspective on islands.

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.](#)

The Maritime Alliance (TMA) BlueTech is hosting [BlueTech Week 2026](#) on 16–19 November 2026 in San Diego, California, USA.

The Marine Alliance for Science and Technology for Scotland (MASTS) is hosting the [MASTS Annual Science Meeting 2026](#) on 10–12 November 2026 in Glasgow, Scotland. Registration is now open and early bird rates are available until 27 September 2026.

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.

Hydrodynamic optimisation and thermodynamic scaling fidelity of single and dual-chamber OWC wave energy converters in regular waves – Gazaloglu et al. 2027

This study experimentally investigates the hydrodynamic optimisation and scaling fidelity of five oscillating water column (OWC) configurations: three single-chamber geometries (Conventional, U-OWC, L-OWC) and two novel dual-chamber hybrids (DCOWC-1 and DCOWC-2). Conducting 792 tests at 1:30 scale under regular waves, the campaign quantified the influence of air compressibility by contrasting correct thermodynamic scaling (using external expansion chambers) against the traditional incompressible method across pneumatic damping levels of $Or = 0.4$ – 1.6% . The compressible configuration creates a softer air spring effect, increasing wave discharge rates while decreasing pneumatic pressure; consequently, incompressible methods typically underestimated airflow and overestimated pressure damping.

Assimilation of Velocity Data for Tidal Hydrodynamics Model Calibration – Jordan and Angeloudis 2026

Assessing tidal stream energy resource typically involves the application of numerical models calibrated against sparse Acoustic Doppler Current Profiler (ADCP) data. This introduces significant challenges in energetic sites which are prone to significant

spatiotemporal variations, like the Pentland Firth, Scotland, which is home to the world's highest capacity commercial tidal array. This study investigates the implications of limited calibration data and examines different approaches for constructing an appropriate friction field in tidal hydrodynamics model calibration. We compare performances between models using uniform and sediment-based friction coefficient fields and introduce the first application of adjoint-based calibration for optimizing a resource assessment model based on velocity data.

[OTEX: An open-source software for ocean thermal energy conversion modeling](#) – Calvo et al. 2026

OTEX (Ocean Thermal Energy eXchange) is an open-source Python package for the design, simulation, and techno-economic assessment of Ocean Thermal Energy Conversion (OTEC) power plants. It implements three cycle architectures, closed Rankine (with simple, Kalina, and Uehara variants), open Rankine, and hybrid, realized as five configurations with pure and ammonia-water working fluids, coupled to heat-exchanger sizing, seawater hydraulics, and off-design operation. Integration with global ocean reanalysis data (CMEMS, HYCOM) enables site-specific resource assessment, while leveled cost of electricity and Monte Carlo and Sobol uncertainty analysis support comparative evaluation. A spatially resolved case study of Cuban waters demonstrates multi-configuration optimization of net power and cost.

Marine Energy Software Updates

[Marine Energy Software](#) is a collection of commercial and open-source software relevant to marine energy development, including software for simulating devices, and processing and analyzing data.

[Contribute to Marine Energy Software](#)

Like most open-source resources, the more information users contribute, the better the resource becomes! The Marine Energy Software knowledge hub is no different. Visit the [Register Software](#) page to find step-by-step instructions on how to add your software to the Marine Energy Software knowledge hub today!

[Check out the DOE Software Demo Days Recordings on YouTube](#)

Last year, the PRIMRE team and DOE hosted a Software Demo Days series. This series was held internally between researchers at national labs and DOE to showcase open-source software and increase interoperability between these tools. A total of 8 recordings showcasing these software tools: [PRIMRE](#), [OpenFAST](#), [WEC-Sim](#), [MoorDyn](#), [MHKiT](#), [MBARI-WEC](#), [WecOptTool](#), are [live on YouTube](#)! Check it out to hear from the software developers themselves on the mathematical theories behind the software, use cases and capabilities, and even see the software in action!

Telesto Highlights

[Telesto](#) provides information and resources about the development life cycle of marine energy, as well as information on lessons learned, metrics, economics, standards, and compliance.



News & Press Releases

[Oregon State University's wave energy testing facility is ready to begin operations](#) – Oregon Public Broadcasting (OPB)

After over a decade of planning, permitting, construction, and funding delays, Oregon State University's wave energy testing facility is ready to begin operations. PacWave is Oregon State University's wave energy testing facility, where companies are able to test their prototype devices that create renewable energy from ocean waves. It is made up of two facilities; PacWave North is a smaller test facility in shallower waters. PacWave South is the main grid-connected site that sits about seven miles off the coast. It is made up of four undersea cables that transport the power generated to a facility in Newport for regulation. That power will then feed into the local power grid.

[New Kind of Surfer Is Riding Waves—and Producing Power](#) – NLR

Like a surfer, the Small Underwater Research Flap Wave Energy Converter, or SURF-WEC, rides the ocean's waves—but this system converts wave motion into electricity. The WEC recently made the leap from lab to ocean off Makai Research Pier in Oahu, Hawaii. Decades of theoretical and modeling research have advanced the field of marine energy. But open-water deployment and testing of marine energy devices have been

limited, leading to gaps in data and knowledge needed for commercialization. The deployment of SURF-WEC can help close these gaps: The device is expected to generate critical data the industry can build on.

Eco Wave Power Signs Agreement with AI engineering GmbH to Advance AI-Powered Digital Twin Platform for Wave Energy – Eco Wave Power

Eco Wave Power recently announced that its wholly owned U.S. subsidiary, Eco Wave Power U.S. Inc., has entered into an agreement with Germany-based AI engineering GmbH to develop a physics- and data-driven Digital Twin platform for Eco Wave Power's proprietary wave energy technology. The collaboration advances Eco Wave Power's strategy to integrate artificial intelligence, physics-based simulation, machine learning and Digital Twin technology into the design, monitoring and optimization of its wave energy systems. Both Eco Wave Power U.S. and AI engineering are members of the NVIDIA Inception program.

Equinox Ocean Turbines reaches TRL 6 following successful open-water testing of Mobula® 5 – Equinox Ocean Turbines (EQOT)

EQOT has successfully completed open-water testing of its Mobula® 5 prototype at Marsdiep near Texel, the Netherlands — the first time the turbine has been deployed and operated outside a controlled testing environment. The Mobula® 5 was successfully deployed and recovered, with controlled diving and surfacing demonstrating the performance of its attitude-control system. The team also started and stopped the rotor and generated electrical power, validating the drivetrain, power take-off (PTO), and generator as an integrated system. Following the campaign, EQOT's technology has advanced to Technology Readiness Level 6 (TRL 6)—demonstration of a prototype system in a relevant operational environment—providing an important technical foundation ahead of larger-scale deployment.

Flex2Future advances floating wave, wind and solar platform toward pre-2030 demo – Offshore Energy

Flex2Future, a Norwegian technology company developing floating offshore energy systems that combine wind, wave and solar power on a single platform, has wrapped up an extensive model testing campaign in Norway, putting its floating wave, wind, and solar energy platform concept through simulated offshore conditions ahead of plans for a full-scale demonstration before the decade ends. Flex2Future completed an extensive model test campaign in April 2026 at facilities operated by SINTEF Ocean, part of the Norwegian independent research organisation SINTEF, in Trondheim, Norway. The tests were carried out on a 1:25 scale model across two complementary campaigns. The Norwegian firm explains that the complete module, including a fully modelled mooring system, was tested in the Ocean Basin under combined waves, current, and wind to characterise the structure's dynamic behaviour.