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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!

[Announcements](#)
[Upcoming Events](#)

[Tethys Eng. Documents](#)
[Telesto Highlight](#)

[Marine Atlas Updates](#)
[News & Press Releases](#)

Announcements

Contributing to PRIMRE

Join us in strengthening the marine energy community by contributing your data, documents, software, project information, and more to PRIMRE. Explore the [Contributing to PRIMRE](#) page to help make marine energy data and information more accessible, discoverable, and impactful.



PMEC Toolkit

Pacific Marine Energy Center (PMEC) has released a [Toolkit for Community Engaged Research](#), which is a new resource for marine energy researchers and engineers to help understand end-users and think more broadly about communities and different tools for engagement. Learn more about the toolkit in PMEC's [project brief](#).

Calls for Abstracts & Papers

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.

The *Journal of Marine Science and Engineering* is accepting manuscript submissions for its Special Issue, [Advanced Numerical Methods for Marine Renewable Energy: Resource Assessment, Hydrodynamics, Environmental Impact, and Optimization](#), through 20 December 2026.

Frontiers in Marine Science is accepting manuscript submissions for its Research Topic, [Marine Autonomous Systems for Ocean Observation, Conservation, and Renewable Energy](#), until 4 February 2027.

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. An [informational session](#) will take place on 10 August 2026 from 4:00-5:00pm EDT (8:00-9:00pm UTC).

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).

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](#).

Career & Internship Opportunities

The Crown Estate is hiring a [Marine Data Manager](#) to lead and manage the delivery of the [Marine Data Exchange](#), including system development, survey data management, and ensuring a seamless customer journey. Apply by 10 August 2026.

European Marine Energy Centre (EMEC) is seeking an [Electrical Technician or Electrical Engineer](#) to support the operation and development of EMEC's test and demonstration facilities and delivery of pioneering innovation projects. Apply by 20 August 2026.

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 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.

Sandia National Laboratories is hiring a [Postdoctoral Appointee - Hydrodynamic Energy Systems High Performance Computing](#) and [Postdoctoral Appointee - Hydrodynamic Energy Systems Laboratory Experiments](#).

The Department of Ocean and Resources Engineering and the Hawai'i Natural Energy Institute at the University of Hawai'i at Mānoa are inviting applications for a full-time, tenure-track, 11-month [Assistant Professor or Associate Professor](#) position in Ocean Engineering.

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

The National Laboratory of the Rockies (NLR) is hosting the final webinar in its [Marine Energy Microgrid and Power Electronics Webinar Series](#), "[Microgrid Power Hardware-in-the-Loop Modeling](#)," on 10 August 2026 at 12:00pm MDT (6:00pm UTC). The webinar will demonstrate NLR's power hardware-in-the-loop (HIL) microgrid model for marine energy integration with

microgrid testing. This demonstration will feature a repurposed tidal energy generator mounted on NLR's 20-kW test bench connected to a bidirectional grid emulator and an HIL device.

The Portal and Repository for Information on Marine Renewable Energy ([PRIMRE](#)) is hosting a webinar, "[From Design to Ocean Deployment: Lessons Learned from the SURF-WEC Project in Hawaii](#)", on 11 August 2026 from 1:00–2:00pm MDT (7:00–8:00pm UTC). Join for an in-depth overview of the Small Underwater Research Flap Wave Energy Converter (SURF-WEC), a 1m x 1m oscillating surge device developed by NLR in partnership with the Hawai'i Marine Energy Center (HMEC), which has been successfully deployed off the coast of Oahu, Hawaii.

Marine Energy Wales is hosting a webinar, "[Marine Energy Wales State of the Sector Report](#)," on 13 August 2026 from 1:00–2:00pm BST (12:00–1:00pm UTC). Panelists will delve further into the detail of [this year's report](#), providing insight and further analysis on its findings.

Red Mare Costa Rica and PAMEC.Energy Association are hosting a webinar, "[Environmental Effects of Marine Energy Development](#)," on 20 August 2026 from 8:00–9:00am CST (2:00–3:00pm UTC). During this webinar, Dr. Andrea Copping will share the latest scientific advances and present practical approaches to minimizing environmental impacts while safeguarding marine biodiversity.

Upcoming Conferences

The [3rd Australian Ocean Renewable Energy Symposium \(AORES 2026\)](#) will take place on 9–11 November 2026 in Adelaide, South Australia.

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

The [12th Ocean Thermal Energy Conversion \(OTEC\) Symposium](#) will take place 1–4 December 2026 in Bora Bora, French Polynesia.

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.

[Power performance and loads characterization of laboratory-scale cross-flow rotors fabricated using additive manufacturing](#) – McVey et al. 2026

Tidal energy conversion is a relatively new application for additive manufacturing (AM), where the focus has been on fabricating axial-flow turbine blades. AM techniques add material precisely where it is needed, creating more complex shapes with less waste. Cross-flow rotor geometry presents an opportunity for AM to improve rotor performance by fabricating features that cannot be created economically via conventional manufacturing. The challenges associated with using AM in cross-flow design include

water resistance and degradation over time while retaining a level of quality equivalent to conventionally machined parts. In this work, AM materials were tested by environmentally conditioning samples in a seawater tank for 5 months, followed by performance and phase-resolved load testing of laboratory-scale rotors in a hydraulic flume.

The in-stream renewable energy potential of rivers for remote communities in the global Arctic – Kirby et al. 2026

Many Arctic communities rely on diesel-generated electricity, resulting in high costs, environmental impacts, and limited development opportunities. Hydrokinetic energy (HKE), which generates power from flowing water without dams, offers a lower-impact renewable energy alternative to conventional hydropower. This article identifies feasible Arctic communities with suitable river conditions for HKE development and highlight regions with the greatest potential. Using a detailed case study of the Iqaluit Kuunga River in Nunavut, Canada, alongside a global assessment, they identify 325 Arctic communities suitable for HKE deployment. These sites represent a theoretical energy potential of 4,626 megawatt-hours per square metre of turbine area annually under open water conditions. Feasibility varies with the local resource availability, proximity to river sites, and projected diesel offset.

Multi-Scale Assessment of Ocean Thermal Energy Resources and Monthly Scale Low-Temperature-Difference Persistence in the South China Sea – Dai and Chen 2026

Ocean Thermal Energy Conversion (OTEC) could provide baseload power for tropical islands and reefs, but its thermal-resource suitability depends on the surface–deep seawater temperature difference (ΔT). This study assessed four South China Sea (SCS) sites—Yongshu Reef, Meiji Reef, Yongxing Island, and Huangyan Island—using monthly Copernicus Marine Environment Monitoring Service (CMEMS) reanalysis data for 2010–2023 within two site-centered averaging windows ($\pm 2^\circ$ and $\pm 0.5^\circ$), termed the large and small windows. CMEMS results were validated against in situ profiles from the Argo autonomous profiling-float network, yielding correlation coefficients of 0.66–0.94 and mean absolute errors of 0.44–0.59 °C. Mean ΔT changed little between windows, whereas differences in minimum ΔT ranged from 0.07 to 0.31 °C, with the large window generally producing slightly higher minima and a smoother lower tail.

Telesto Highlight

[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.

Understanding Standards in Marine Energy

Telesto provides a wealth of information and resources centered on standards that guide the design, testing, and deployment of marine energy technologies. Standards play a vital role in ensuring device performance, safety, and interoperability across the marine energy industry.

Whether you are a device developer or project planner, key questions include:

- Which technical standards apply to marine energy devices and components?
- How do standards influence testing protocols and performance metrics?
- What best practices are recommended for design and manufacturing?

Telesto's [Standards](#) page offers clear guidance on these topics, helping users navigate the evolving landscape of marine energy standards. This resource supports the development and deployment of innovative marine energy solutions by promoting consistency, quality, and industry collaboration.

Marine Energy Atlas Updates

The [Marine Energy Atlas](#) is an interactive mapping tool that maps high-resolution, spatially comprehensive data on global wave, tidal, riverine, ocean current, and ocean thermal resources.



News & Press Releases

[Demonstration Program Opens New Opportunities for Tidal Energy Innovation](#) – Government of Nova Scotia

Nova Scotia is inviting tidal energy developers to test their smaller-scale in-stream devices in the Bay of Fundy. It will be an opportunity for companies to evaluate emerging tidal energy technologies in real-world conditions while collecting technical,

operational and environmental data. Projects will be connected to the power grid. Applicants for a demonstration permit may propose projects of less than two megawatts each. Up to 7.7 megawatts of new demonstration capacity is available through the program. Applications will be evaluated based on project readiness, technical capability, environmental considerations, innovation and the applicant's experience. Successful proponents will receive demonstration permits with terms of up to five years, with opportunities for renewal.

Ocean Power Technologies Selected for Participation in \$40 Million U.S. Navy Project for Autonomous Ocean Mapping – Ocean Power Technologies

Ocean Power Technologies, Inc. (OPT), a leader in maritime operational infrastructure and autonomous ocean systems, recently announced that it has been selected as one of six potential awardees under a \$40 million multiple-award, indefinite-delivery/indefinite-quantity (IDIQ) contract supporting the Naval Oceanographic Office (NAVOCEANO). The firm-fixed-price contract will support high-resolution ocean-floor mapping services using long-endurance unmanned surface vehicles. Work will be performed across the Indian and Pacific Ocean basins based on NAVOCEANO mission requirements. The contract has a two-year ordering period anticipated to begin in August 2026 and continue through July 2028. Under the multiple-award structure, individual task-orders will be competed among the contract holders. The \$40 million represents the aggregate contract ceiling across all awardees.

Mocean Advances Wave Energy Design with Key Engineering Milestones – EuropeWave

The Mocean project team has successfully completed testing of a scaled version of its innovative Power Take-Off (PTO) system, known as the Vernier Hybrid Machine (VHM), while continuing detailed engineering work on the Wave Energy Converter (WEC) and securing critical long-lead components required for the next phase of the programme. A scale version of the PTO, the Vernier Hybrid Machine ("VHM"), was successfully tested at the manufacturer's facility in Scotland. The testing programme was designed to validate the PTO numerical model while reducing technical and manufacturing risk ahead of full-scale production. The testing also verified assembly methods, component integration and material performance, providing increased confidence in the system's readiness for deployment.

Alaska-made prototype tidal turbine to be tested in Massachusetts – Offshore Energy

Alaska-based Sitkana is set to deploy its new prototype tidal turbine at the Marine Renewable Energy Collaborative's (MRECo) Bourne Tidal Test Site (BTTS) in Massachusetts, USA. At BTTS, located in the Cape Cod Canal, the turbine will operate in powerful tidal currents while engineers evaluate its performance, reliability, and durability in real ocean conditions, marking a step forward to commercial deployment. According to Sitkana, the technology uses smaller modular units that combine into larger arrays, allowing systems to scale without large-scale infrastructure or specialized installation equipment. MRECo's recent upgrades to the BTTS include enhanced data

systems, improved testing infrastructure, expanded prototype deployment capabilities, and preparations for future grid-connected tidal turbine testing, thanks to support from the Massachusetts Clean Energy Center's (MassCEC) Ocean Innovation Network.

CETO Project Moves Closer to Offshore Deployment at BiMEP – EuropeWave

Carnegie Clean Energy has advanced the assembly of its CETO wave energy device, bringing the grid-connected demonstration project a step closer to offshore deployment. The ACHIEVE CETO unit is to be deployed at Spain's Biscay Marine Energy Platform (BiMEP), one of Europe's leading open-sea test facilities for marine renewable energy. Fabrication of the three Power Take-Off (PTO) modules for the ACHIEVE project is nearing completion. The first module has been delivered to SKF's manufacturing facility in Germany, where final assembly is now underway. The milestone follows completion of the Electrical Module (EM), assembled in collaboration with Basque supplier SEI. As assembly of the PTO modules progresses, the integrated system will undergo testing to validate communication between the EM and PTO modules ahead of offshore installation.