PRIMRE BLAST

9 January 2026

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

PRIMRE Videos

View the PRIMRE YouTube Playlist to learn more about PRIMRE, each of the knowledge hubs, and how to contribute your marine energy data, documents, project information, and more.

ORISE Applications Open

The Oak Ridge Institute for Science and Education (ORISE) Marine Energy Fellowship Program, which offers graduate students and postgraduates the opportunity to engage in marine energy research while embedded at selected host facilities for up to 12 months, is accepting applications for its Fall 2026 Cohort (August – October 2026) through 27 March 2026.

Calls for Abstracts

The Call for Abstracts for the U.S. Department of Energy's (DOE) Data Days Workshop (D3 2026) is open through 9 January 2026. D3 will take place on 3-5 March 2026 in Chantilly, Virginia, USA.

The Call for Abstracts for OCEANS 2026 Sanya has been extended until 12 January 2026. OCEANS 2026 Sanya will take place 25-28 May 2026 in Sanya, China.

The Call for Speakers for All-Energy 2025 Exhibition and Conference show floor theatres is now open until 23 January 2026. All-Energy will take place 13-14 May 2025 in Glasgow, Scotland.

The Call for Speakers for Marine Technology Society's 16th Buoy Workshop is open through 23 January 2026. The workshop will take place on 23-26 March 2026 in St. Petersburg, Florida, U.S.

The Call for Abstracts/Papers for the 7th International Conference on Renewable Energies Offshore (RENEW 2026) is open through 28 February 2026. RENEW will take place on 20-22 October 2026 in Lisbon, Portugal.

The Call for Abstracts for the 8th Asian Offshore Wind, Wave and Tidal Energy Conference (AWTEC 2026) is open until 6 March 2026. AWTEC will take place on 6-10 September 2026 in Kaohsiung, Taiwan.

Calls for Papers

Springer Nature is accepting original research submissions for a *Scientific Reports* Collection on Ocean Energy through 20 February 2026.

Frontiers is accepting manuscript summary submissions for a *Frontiers in Mechanical Engineering* Research Topic on Next-Generation Wave Energy Converters: From Hydrodynamics to Power Electronics through 7 March 2026.

Funding & Testing Opportunities

Fundy Ocean Research Centre for Energy (FORCE) has released a Request for Proposals for its Ocean Sensor Innovation Platforms (OSIP) project. FORCE is seeking proposals to design, procure, and install an offshore platform hybrid power system to power the OSIP floating sensor platform in the Minas Passage (Canada). Proposals are due by 16 January 2026.

The Long-Term Joint EU-AU Research and Innovation Partnership on Sustainable Energy (LEAP-SE) program, co-funded by the European Commission under Horizon Europe, aims to develop a long-term partnership between Europe and Africa in Research and Innovation on sustainable energy. Pre-proposals are due by 5 February 2026.

The U.S. Testing Expertise and Access for Marine Energy Research (TEAMER) program, which supports marine energy testing and development projects, has extended the deadline for Request for Technical Support (RFTS) 17 applications until 6 February 2026. TEAMER recently added Commercialization Support to all future RFTS rounds as well.

Horizon Europe has several open Calls for Proposals, including De-risking wave energy technology development through transnational pre-commercial procurement of wave energy research and development. Proposals are due by 17 February 2026.

Career & Internship Opportunities

The University of Minnesota is hiring a Marine Technology Extension Associate for a one-year position with the Minnesota Sea Grant College Program to integrate marine technology with workforce training and community outreach to address local and regional needs.

The University of Minnesota is also hiring a Research Program Manager for Marine Science and Technology to lead program development, coordination, and implementation of a diverse portfolio focused on marine and large-lake systems science, marine engineering, underwater acoustics, underwater technology innovation, and sustainable maritime operations.

Offshore Renewable Energy (ORE) Catapult is looking for a Senior Control Systems Engineer to join its Research and Engineering team in Blyth, England, and a Senior Instrumentation Design Engineer to take technical ownership of the design, development, installation, and commissioning of instrumentation systems across its Blyth test facilities.

CorPower Ocean is seeking to fill several positions, including Marine Operations Project Engineer - Wave Energy, Powertrain Test Engineer – Wave Energy, Senior Composite Design Engineer, and Subsea Cable Package Owner - Wave Energy.

New Zealand's Applied Doctorate Scheme is inviting applications from prospective students, domestic and international, to be a part of its inaugural cohort. The University of Canterbury and Azura Wave Power are offering a project that will explore the development of offshore desalination systems powered by ocean wave energy. Apply by 19 January 2026.

The University of Manchester is offering a funded PhD position for UK students focused on modelling wave transformation over tidal turbine wakes: developing tools for array design, loading, and survivability. Apply by 27 February 2026.

The University of Manchester is also offering a funded PhD position for UK students which aims to provide a comprehensive characterization of offshore turbulent conditions that define the performance and siting of offshore renewable energy devices. Apply by 28 February 2026.

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

Marine Environmental Data & Information Network (MEDIN) is hosting the next webinar in its MEDIN 2025 webinar series, "Unlocking Ocean Knowledge: The Global Push for Better Data Sharing", on 21 January 2026 from 2:00-3:00pm UTC.

Pacific Marine Energy Center (PMEC) is hosting the next webinar in its 2026 winter seminar series on deployments, "PMEC Seminar: Turbine Lander with Dr. Chris Bassett", on 21 January 2026 at 2:00pm PST (10:00pm UTC). This webinar will discuss the first prolonged deployment and testing of a tidal turbine on the seafloor in the Pacific Northwest.

Supergen Offshore Renewable Energy is hosting a webinar, "Co-Locating Wave and Offshore Wind: Synergies and Opportunities", on 29 January 2026 from 1:00-2:00pm UTC.

The National Laboratory of the Rockies (NLR) is hosting the first webinar in its Marine Energy Microgrid and Power Electronics Webinar Series, "Introduction to Microgrid Research and Marine Energy Technology Integration", on 9 February 2026 at 12:00pm MST (7:00pm UTC).

TEAMER is hosting a webinar, "Quality Management Systems and TEAMER", on 11 February 2026 from 11:00am-12:30pm PST (7:00-8:30pm UTC). This webinar will provide a review of international Quality Management Standards and their use in Quality Management Systems, including the ISO 9000 and ISO/IEC 17000 series of standards.

Upcoming Short Course

Atlantic Marine Energy Center (AMEC) is hosting a marine energy short course, Introduction to Marine Energy, from 31 May to 6 June 2026 at the Coastal Studies Institute in Wanchese, North Carolina, USA. Apply by 31 January 2026.

Upcoming Conferences

Pacific Ocean Energy Trust (POET) is hosting the 2026 Ocean Renewable Energy Conference (OREC), in partnership with the 2026 Marine Energy Collegiate Competition (MECC), on 18-21 May 2026 in Portland, Oregon, USA.

The 2026 University Marine Energy Research Community (UMERC) Conference and Marine Energy Technology Symposium (METS) will take place on 4-6 August 2026 at Stevens Institute of Technology in Hoboken, New Jersey, USA.

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.

Design, build, and analysis of small-scale wave energy converter prototypes – Vitale et al. 2026

> This work details a methodology for the design of small-scale wave energy converter (WEC) prototypes, consolidating design knowledge and techniques while contributing to the production of higher-quality, fundamental WEC research. The methodology is applied in the design, build, and deployment of two WEC architectures: heaving point absorbers (PAs) and oscillating surge WECs (OSWECs). Relevant design considerations are described in depth, including testing facility, fluid regime, model physics, mechanical design, and electrical design. The design process is validated through experimental results, and recommendations are made for improvements on small-scale WEC systems. Minimizing friction at the small-scale is a known challenge, but the implemented rack and pinion powertrains satisfied requirements.

Feasibility of Multi-Use Ocean Thermal Energy Conversion (OTEC) Platforms – Copping et al. 2026

> Many tropical islands and coastal communities suffer from high energy costs, unreliable electrical supplies, poverty, and underemployment, which are all exacerbated by climate change. Multi-use Ocean Thermal Energy Conversion (OTEC) systems could align with the goals and values of these underserved and remote communities. Developing multi-use OTEC systems could help meet the United Nations' Sustainable Development Goals #7 (Affordable and Clean Energy) and #13 (Climate Action). Multiple uses of OTEC water and power are explored in this study, including seawater air conditioning, desalination, support for aquaculture in tropical regions, and other uses. A use case for an onshore OTEC plant at the location of the existing OTEC plant in Kona, Hawaii, is examined to determine if sufficient thermal resources exist for OTEC power generation year-round, and to determine the potential for each value-added use.

Exploring Effective Supply Chain Readiness and Resilience Within the Marine Renewable Energy Sector: A Future Reality Tree Approach – Mason-Jones et al. 2025

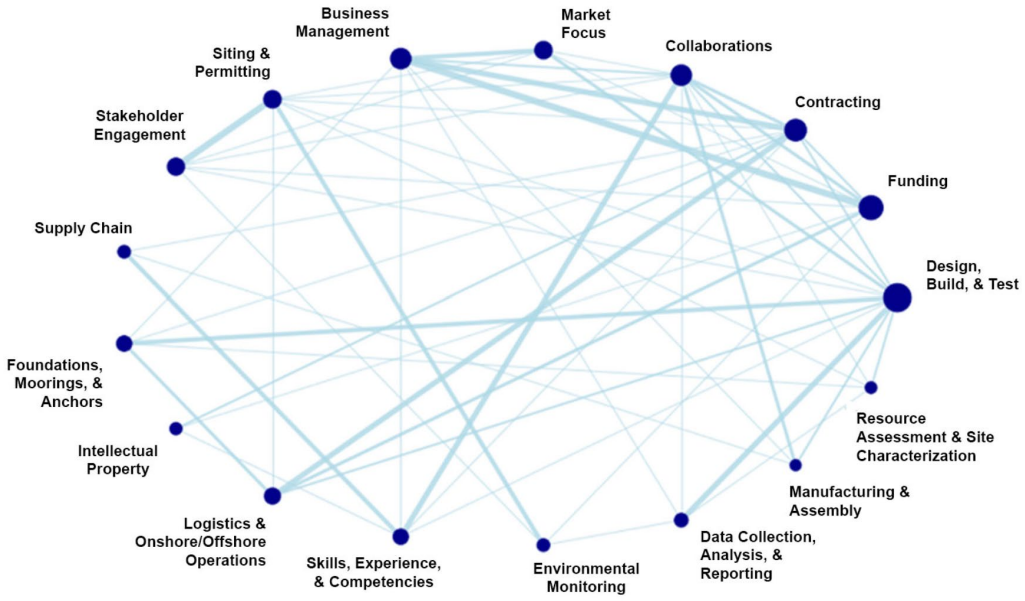
> Marine renewable energy technologies (MRE-T), which capture energy from oceans and seas, represent a pivotal area for sustainable energy development. Despite its vast potential, marine renewable energy currently constitutes only a small fraction of global electricity generation, highlighting the challenges and complexities associated with its development and deployment. This paper builds on original research undertaken in 2019 by the authors exploring the barriers for companies attempting to enter the Marine Renewable Energy-Supply Chain (MRE-SC). The aim of this paper is to adopt the Theory of Constraints (ToC) approach to develop a Future Reality Tree (FRT) which creates a roadmap to enable companies to successfully enter the MRE-SC.

Telesto Updates

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.

Lessons Learned Collected from the Marine Energy Sector

The PRIMRE team captured lessons learned from those working in the marine energy field to ensure that knowledge is not lost, past mistakes are avoided, and hard-won successes are capitalized on. The information collected will also help to identify where PRIMRE, U.S. DOE, and the industry as a whole may improve access to relevant information and resources.

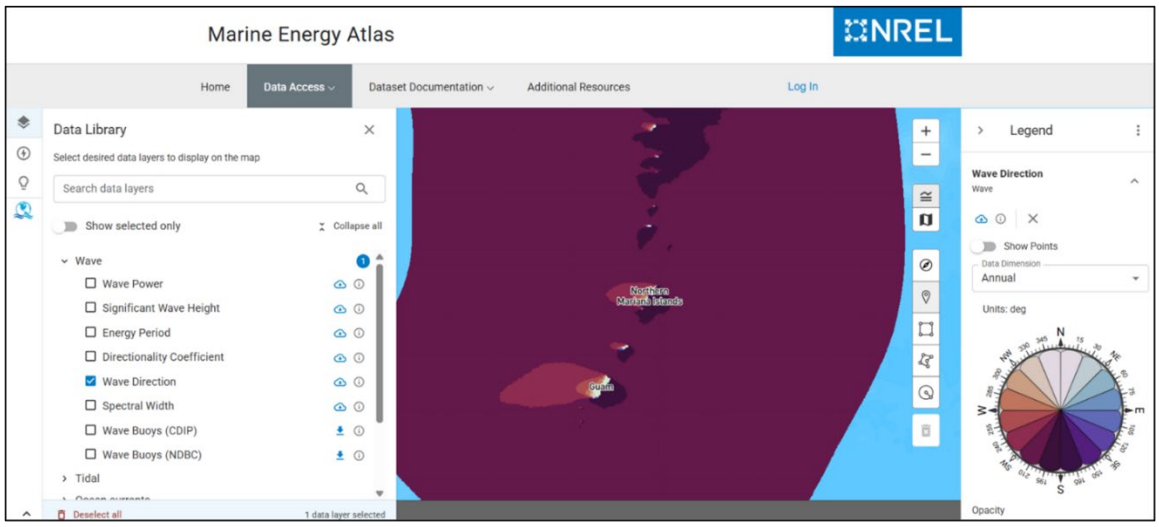


Marine Energy Atlas Highlights

The Marine Energy Atlas is an interactive mapping tool that maps high-resolution, spatially comprehensive wave, tidal, and riverine, ocean current and ocean thermal resources.

New Data on the Marine Energy Atlas

New data, covering Guam and the Northern Commonwealth of the Mariana Islands (CNMI) from 1979-2020, is now available! Data includes wave power, peak period, significant wave height, and directionality coefficient, and more! Head over to the Marine Energy Atlas to explore and download resource summaries, or find higher-resolution data on Amazon Web Service (AWS)!



News & Press Releases

[Offshore works completed at MeyGen site](#) – Proteus Marine Renewables

Ampeak Energy and Proteus Marine Renewables have successfully completed works at the world-leading MeyGen tidal stream project in Scotland's Pentland Firth. The offshore works involved three of the four turbines, and a series of inspection, maintenance and redeployment operations were successfully completed. Two of the three turbines (TTG 2 and TTG 4) were serviced offshore and returned to operation, whilst the third (TTG 1) was returned to Nigg for servicing and will be redeployed at a future date. No intervention was required on TTG 3, which has now accumulated seven years of operation, maintenance-free. Meygen is the largest tidal stream site in the world and has produced over 84 GWh of tidal energy, reinforcing its position as the world's number one tidal stream site and the home of the technology.

[AMEC Stakeholder Engagement Team Launches Marine Planning Board Game Efforts](#) – AMEC

Wave and tidal marine energy technologies have vast potential to generate electricity in coastal areas. They are currently being developed and explored for uses such as desalinating seawater, powering scientific research equipment, supporting aquaculture operations, and supplying energy to remote communities. AMEC is advancing wave and tidal marine energy for powering the blue economy by connecting with stakeholders interested in the use, management, and conservation of coastal and marine environments. However, involving stakeholders in marine energy topics is complicated by the emerging nature of wave and tidal energy and the range of stakeholders' understanding, from those who have never heard of it to experts in the field. To address this, the AMEC Stakeholder Engagement Team is utilizing a marine spatial planning board game to introduce participants to marine energy.

GKinetic Energy Secures New U.S. Patent for Advanced HydroKinetic Turbine Blade Pitch Control Technology – GKinetic Energy

GKinetic Energy, the Irish energy technology company developing next-generation hydrokinetic solutions, today announced the successful granting of a new United States patent covering a novel blade pitch control arrangement for its unique range of water turbines. The company's products generate energy from free-flowing water sources, such as rivers, canals and estuaries, unlocking secure and consistent energy supply on-site. The patent, titled "Blade Pitch Control Arrangement", protects a hybrid blade pitch control system designed specifically for vertical-axis tidal turbines. The invention enables active, passive, and free-trailing blade control within a single turbine rotation, significantly improving efficiency, reducing structural loads, and enhancing reliability in high-energy hydrokinetic (flowing water) environments.

NASH Maritime Secures Vessel Traffic Monitoring and Navigational Risk Assessment for Morlais Tidal Energy Site – ECO Magazine

NASH Maritime, a specialist maritime consultancy within APEM Group, has been awarded a contract by Menter Môn Morlais to provide vessel traffic monitoring (VTM) services and navigational risk assessment (NRA) for the Morlais tidal energy demonstration zone off the Welsh coast. This appointment reinforces NASH's reputation as a trusted partner in enabling safe and sustainable marine energy development. The Morlais scheme is a key initiative to harness tidal energy in the UK and represents a significant step toward achieving renewable energy targets. NASH's involvement will ensure that shipping and navigation risks are fully assessed and managed, supporting coexistence between marine energy infrastructure and maritime operations.

OPT to Deliver Multiple Buoy Solution to U.S. Department of Homeland Security in Partnership with Anduril – OPT

Ocean Power Technologies, Inc. (OPT), a leader in innovative and cost-effective low-carbon marine power, data, and service solutions, recently announced the award of a multi-buoy contract greater than $5 million to deploy and operate MERROWS®-equipped PowerBuoy® systems in support of a U.S. Coast Guard mission under the U.S. Department of Homeland Security to protect the homeland. This demonstration will enable persistent and resident maritime domain awareness off the coast of San Diego, California. As part of the demonstration, the four PowerBuoy® platforms will integrate into the Department of Homeland Security's chosen C5I environment and will be deployed alongside several Anduril surveillance towers, forming an integrated sensing architecture.