

## General Contact Information

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[youtube.com/deepcwind](https://youtube.com/deepcwind)

## Primary Media Contacts

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# PRESS KIT



## Boilerplates

### DeepCwind Consortium

The DeepCwind Consortium's mission is to establish the State of Maine as a national leader in deepwater offshore wind technology through a research initiative funded by the US Department of Energy, the National Science Foundation, and others. The University of Maine-led consortium includes universities, nonprofits, and utilities; a wide range of industry leaders in offshore design, offshore construction, and marine structures manufacturing; firms with expertise in wind project siting, environmental analysis, environmental law, composites materials to assist in corrosion-resistant material design and selection, and energy investment; and industry organizations to assist with education and tech transfer activities.

### Advanced Structures and Composites Center

Advanced Structures and Composites Center is a state-of-the-art one-stop-shop for integrated composite materials and structural component development. Located at the University of Maine, it offers in-house capabilities for developing a composite product or structure from the conceptual stage through research, manufacturing of prototypes, comprehensive testing and evaluation, code approval and commercialization.

### Offshore Wind Laboratory

The state-of-the-art Offshore Wind Laboratory expands Advanced Structures and Composites Center's current facility to 87,000 ft<sup>2</sup> and enables the design, manufacture, and testing of structural hybrid composite and nanocomposite components for wind structures up to 70 m, such as blades, towers, and spars—all under one roof. The laboratory is due to open Fall 2011.

### University of Maine

The University of Maine is the state's land grant and sea grant institution. Located in Orono, it serves as the flagship university of the seven-member University of Maine System. UMaine is responsible for providing world-class undergraduate and graduate education, basic and applied research, and outreach services to extend UMaine's expertise and resources statewide to the people of Maine.

## Research Initiative

In order to achieve its objectives, the DeepCwind Consortium has divided the scope of its research initiative into seven tasks, each with a task manager who specializes in the field. A short description of each task is provided below. Visit [deepcwind.org](http://deepcwind.org) for more detailed information regarding the DeepCwind Consortium's research initiative.

### Micrositing, Geophysical Investigations, and Geotechnical Engineering

This task group is concerned with the characterization of the seafloor environment for turbine mooring and anchoring at the University of Maine Deepwater Offshore Wind Test Site in the Gulf of Maine. Activities will inform activities for Tasks 4 and 5.

### Study of Environmental and Ecological Impacts

As part of the environmental and ecological monitoring plan required for the test site permit application, task participants are conducting a review of the potential threats of wind turbine and platform technology to benthic invertebrates and sediments, fish, marine mammals, and birds and bats. Upon review the team will design any necessary mitigation measures.

### Permitting and Policy

A group consisting of lawyers and survey engineers are working to secure specific permits for the project from all applicable local, state, and federal permitting authorities. In conformance with LD 1465 and in conjunction with the micrositing and environmental teams, the team will submit a report to the required state and federal agencies describing plans for ecological and acoustic monitoring, public safety and project removal.

### Floating Turbines Design and Lab Testing

This task group is validating of platform designs, the optimizing platform models using composite materials, and the developing of scale test platforms for deployment at the University of Maine Deepwater Offshore Wind Test Site.

### Metocean Monitoring

Before and during deepwater offshore wind turbines deployment, a team is monitoring oceanographic, meteorological, and general environmental conditions. Monitoring will emphasize wind speed and direction, visibility, directional waves, and water-column currents. Simultaneously team members will collect real-time motion and structural performance of the floating turbine platforms under combined wind, wave, and environmental conditions.

### Education and Outreach

The University of Maine, Maine Maritime Academy, and Northern Maine Community College are developing several degree programs to create a trained wind energy workforce for the State of Maine. Concurrently, the Education and Outreach team takes numerous opportunities locally, regionally, and nationally to share the DeepCwind Consortium's goals, activities, and results through activities like Windstorm Challenge.

### Program Operations, Fabrication and Deployment

The University of Maine and its subcontractors are leading the fabrication and deployment of the approximately 1:3-scale floating wind turbine platform. The deployment study aims to identify key deployment and installation factors. The performance data gathered from the scale platform will be used to further validate platform numerical models developed by National Renewable Energy Laboratory and others.

## DeepCwind Consortium Program Management Directory

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Principal Investigator

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Floating Turbine Design and  
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Education and Outreach

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Program Operations, Fabrication,  
and Deployment

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## Consortium Members by Task

### Micrositing, Geophysical Investigations, and Geotechnical Engineering

UMaine Department of Civil and Environmental Engineering  
James W. Sewall Company

University of Western Australia Centre for Offshore Foundation Research  
Maine Maritime Academy

### Environmental Monitoring

University of Maine School of Marine Sciences  
University of Maine School of Biology and Ecology  
Island Institute

Gulf of Maine Research Institute  
New Jersey Audubon Society  
Pacific Northwest National Laboratory

### Environmental Permitting

University of Maine School of Law  
James W. Sewall Company

Kleinschmidt Associates  
HDR/DTA

### Floating Turbines Design and Testing

Advanced Structures and Composites Center  
Maine Maritime Academy  
Technip USA  
National Renewable Energy Laboratory  
Sandia National Labs  
Ashland, Inc.  
Polystrand, Inc.

Kenway Corporation  
Harbor Technologies  
PPG Industries  
Owens Corning  
Zoltek

### Metocean Monitoring

University of Maine Physical Oceanography Group  
University of Maine School of Marine Sciences

### Education and Outreach

Advanced Structures and Composites Center  
University of Maine College of Engineering  
Maine Maritime Academy  
University of Maine Department of Industrial Cooperation

Northern Maine Community College  
American Composites Manufacturers Association  
Maine Composites Alliance  
Maine Wind Industry Initiative

### Program Operations, Fabrication and Deployment

Advanced Structures and Composites Center  
Cianbro Corporation  
General Dynamics Bath Iron Works  
Maine Maritime Academy  
Technip USA

Bangor Hydro Electric Company  
Central Maine Power Company  
Reed and Reed  
SGC Engineering

## Key Terms and Titles

### Advanced Structures and Composites Center

Use the **full title** (Advanced Structures and Composites Center) with or without “University of Maine” preceding.

**Do not use “ASCC,” “AEWC,” “the AEW Center,” “Advanced Engineered Wood Composites Center,” “UMaine Composites Center,” or other variation than the approved above.**

### DeepCwind Consortium

Use a capital ‘D’ and ‘C’ in DeepCwind; the ‘w’ should be lowercase. The ‘C’ in Consortium should also be capitalized. Abbreviation or shortening (i.e. “DeepCwind”) is not accepted.

### Offshore Wind Laboratory

The official name of Advanced Structures and Composites Center’s most recent expansion. No abbreviation or variations.

### University of Maine

Institution and location overseeing the Advanced Structures and Composites Center.

The commonly used name of the institution is the University of Maine. The accepted second reference designation is UMaine.

It is not appropriate to use the following, or similar, names or acronyms when referring to the university: UMO, University of Maine at Orono, UME, U. of M., UM-Orono, UMaine-Orono, Ume, U. of Maine.

### University of Maine Deepwater Offshore Wind Test Site

Also UMaine Deepwater Offshore Wind Test Site. Not Ocean Energy Test Site, UMaine Deepwater Wind Test Site, Offshore Wind Testbed, or other variation.

Official location for model testing of deepwater offshore wind turbines off of Monhegan Island. Overseen by the DeepCwind Consortium.

## Logos

### DeepCwind Consortium

Visit [deepcwind.org](http://deepcwind.org) for high resolution downloads of our logos in color, white, and grayscale.

### DeepCwind Consortium's Windstorm Challenge

Visit [windstormchallenge.com](http://windstormchallenge.com) to download the logo.

### University of Maine

For more information regarding the signs, symbols and trademarks of the University of Maine please reference the University of Maine Style Guide: <http://www.umaine.edu/relations/style-guide>.

### Stock images

For downloadable high resolution images, visit [www.deepcwind.org](http://www.deepcwind.org) and [flickr.com/photos/deepcwind](http://flickr.com/photos/deepcwind).

## Styles

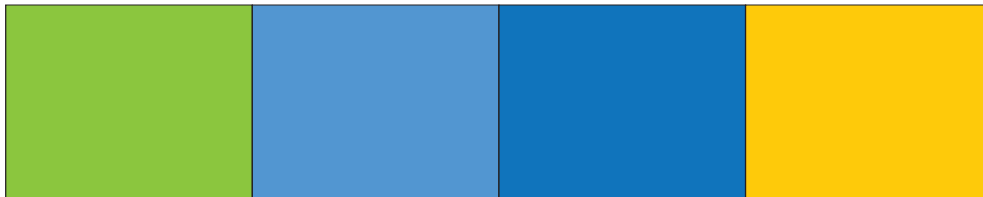
### Official DeepCwind Consortium Colors

Green 50/0/100/0

Lt. Blue 65/30/0/0

Blue 85/50/0/0

Yellow 0/20/100/0



### Official Windstorm Challenge Colors

Orange: 0/80/94/0

White: 0/0/0/0

